BHP Iron Ore Pty Ltd (BHP)

## **Conceptual Exposure Model**

Definition Phase Study, Jimblebar Beneficiation Project 7731-A-85248-VD-00020

January 2025





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Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project 7731-A-85248-VD-00020

BHP Iron Ore Pty Ltd (BHP)



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## **Executive summary**

## Introduction

BHP Iron Ore Pty Ltd (BHP) is progressing the Definition Phase Study (DPS) design of the Orebody 17 (OB17) Swan and Orebody 18 (OB18) De Grey in-pit tailings storage facilities (IPTSFs) as part of the Jimblebar Beneficiation (JBB) Project.

This report presents a DPS Conceptual Exposure Model (DPS CEM), which is updated from the Selection Phase Study (SPS) CEM, and utilises information from geotechnical, hydrological, hydrogeological, geochemical and closure studies undertaken by WSP Australia Pty Ltd (WSP).

#### Objective and scope

The objective of the DPS CEM is the conduct of a risk assessment to assist BHP with management actions during the IPTSF operations and closure phases and to comply with legislative obligations. The DPS CEM risk assessment focuses on the source-pathway-receptor (SPR) linkages for emissions associated with the Swan and De Grey pits and potential human and ecological receptors for the operations phase (expected to be Financial Year (FY) 29 - FY 49) and closure phase (post 2050).

Operations comprises active tailings deposition from FY29 to FY31 as part of the first fill, and subsequent fill phases ("topping up" cycles) through to FY48 prior to closure implementation. The land use during operations is assumed to be an operational mine site.

The closure phase is expected to occur from FY51 once tailings deposition has ceased. A range of closure options were assessed in previous parts of the project, incorporating a number of factors including assessment of human health and environmental risks. The preferred closure option was assessed as Closure with Partial Backfill, which has been adopted in the CEM. The final land use at closure has not yet been confirmed but based on current information and for the purpose of the CEM, it is assumed to be native ecosystems and potentially some limited grazing<sup>1</sup>.

The scope of the DPS CEM is limited to predicted conditions and emissions, particularly related to water quality, as presented in the reports of the various associated studies and does not consider current environmental conditions. The risk assessment focuses on ecological and human receptors, excluding occupational and safety risk<sup>2</sup>. This is consistent with the Western Australian Department of Water and Environmental Regulation (DWER) *Guideline: Risk Assessments*.

#### Risk assessment approach

The risk assessment component has been carried out according to the DWER *Guideline: Risk Assessments*, as the relevant regulatory risk framework. Risk ratings are calculated as a function of likelihood and consequence. The general method outlined in DWER guidelines is as follows:

- Identify the risk events through SPR analysis.
- Establish the consequence of each risk event.
- Establish the likelihood of each risk event.

<sup>&</sup>lt;sup>1</sup> The stability of any pit voids and post-closure rehabilitation measures such as revegetation over tailings would need to be considered and assessed to ascertain suitability for grazing; however grazing has been included for completeness.

 $<sup>^2</sup>$  It is expected that health and safety risks to workers during operations or physical safety risk to the community during closure will be assessed and managed via other mechanisms.

- Apply a risk rating using consequence criteria and likelihood criteria.
- Determine the risk rating via the risk rating matrix.

## Uncertainties

The key uncertainties that impact on the CEM assessment are summarised below.

- The reliability of the water balance, hydrogeological, and geochemical modelling used to inform the CEM, including their inputs, assumptions, and outputs. In particular, the results of the high-level studies conducted for the closure phase, which were based on an alternative closure option, should be considered indicative and refinement may allow a more definitive risk assessment.
- Derivation of Hazard Quotients (HQ) based on national or international guidelines and screening criteria which may
  not reflect local ecosystems in the area, including their type, habitats and exposure durations; this likely
  overestimates the risk, which could be refined with more site-specific data on ecosystems likely to be present.

Further discussion on these and other uncertainties is provided in Section 7.

## Conclusions

The CEM assessed potential risks to ecological and human receptors posed by chemical stressors associated with the Swan and De Grey IPTSFs using the DWER guideline methodology. The risk ratings of complete SPR linkages associated with operational and closure phases are summarised below.

#### Operations

No high-risk ratings were identified for Operations. Two medium risks were identified and are summarised below. The remaining risk ratings were low.

#### **Medium Risk**

- Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems (subterranean fauna and riparian vegetation), and the migration of seepage-impacted groundwater from the IPTSFs to the OB31 dewatering system and subsequent disposal of surplus water to the receiving environment resulting in impacts to surface water aquatic ecosystems and native terrestrial flora and fauna.
- Entry to IPTSF containment and subsequent direct contact with or ingestion of waste fines and/or supernatant water by native terrestrial fauna.

Operations Risk Ratings are outlined in Section 5.7 and Table 5.20.

#### Downstream water quality during operations

Downstream water quality modelling was also conducted to assess water quality parameters at OB31 during operations. It considered a mixture of pond seepage and natural groundwater in proportions indicated by the groundwater modelling as a time series (on a monthly basis). The screening assessment of downstream water quality indicates that TDS and barium exceed the screening criteria (see Section 5.6.4).

Of the exceedances, one high seepage scenario (during sustained seepage in the late stages of the operational period) showed Barium with a HQ >5. In summary, downstream water quality (at entry into the groundwater system) may have concentrations of PSOIs exceeding adopted screening levels. However, barium is noted to be naturally elevated in the groundwater, so the risk from JBB may be lower than indicated.

It's also important to note that - for barium as well as for other risks - hazard quotients are based on inherently conservative guidelines that generally assume long-term exposure, which is not necessarily the case in the JBB context (as discussed in **Section 4.2**) and a more detailed assessment may show a lower risk than indicated.

#### Closure with Partial Backfill

No high-risk ratings were identified for the partial backfill closure strategy. The medium risks for Closure are similar to those for Operations and are summarised below; the remaining risk ratings were low.

#### **Medium Risk**

- Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems (subterranean fauna and riparian vegetation communities).
- Entry to IPTSF containment and subsequent direct contact with or ingestion of waste fines and/or intermittent pond water by native terrestrial fauna within in-pit ponds.

The assessment of water quality at the receptors was not in the scope of this assessment and modelling has been conducted for operational downstream modelling at OB31 only. As such, medium risk is warranted which also considers incomplete understanding of the water quality at the receptors.

Closure Risk Ratings are outlined in Section 6.7 and Table 6.2.

## Recommendations

#### Reducing uncertainties

Additional assessment and modelling works are recommended to reduce uncertainties in the CEM risk ratings and refine the outcome, including:

#### **Operations and Closure**

Collecting and/or assessing additional background environmental data to increase understanding of naturally
elevated constituents in the area, and to increase confidence of the use of derived Site-Specific Trigger Values or
modify where relevant.

It may also establish baseline conditions to assist with understanding any significant impacts on the environment (such as pipeline spills) and the requirement for cleanup.

#### Closure

- Updating the geochemical studies and water balance and water quality modelling, to be more specific to Closure Option without Backfill. This could allow the seepage risk to groundwater to be refined, and the identification of potential receptors that may be impacted.
- The preferred Closure Option (original Option 2, with partial backfill) incorporates the tailings material being capped after the period of consolidation with a benign material (indicated to be waste rock covered by locally sourced surface soils). Assessment of the cover material is outside of the scope of this CEM. However, it is recommended that the suitability of the cover material in relation to chemical exposure risks of humans and wildlife is assessed prior to use.

#### Risk control and mitigation measures

A number of engineering and management measures are recommended to protect the local environment and ecosystems, including human health. These include protection of air quality and soil, groundwater and surface water (from tailings delivery systems, decant water and tailings slurry deposition) and are outlined in the Risk Assessment tables for Operation (Appendix D) and Closure (Appendix E).

The recommended control measures for the two highest-risk scenarios identified for Operation and Closure (both classified as medium risks) are:

a Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems and to aquatic ecosystems and native terrestrial flora and fauna from migration of seepage-impacted groundwater to surface water.

Risk controls could include:

- Monitoring of groundwater and surface water quality and quantity (water level, flow).
- Continued operation of dewatering system to manage seepage.
- **b** Entry to IPTSF containment and subsequent direct contact with or ingestion of waste fines and/or supernatant water by native terrestrial fauna and aquatic ecosystems within in-pit ponds.

Risk controls could include:

- Exclusion bunding around pit to discourage access.
- Routine surveillance program, including regular fauna checks.

These recommendations are in addition to the management measures outlined in the IPTSF Closure Strategy (WSP, 2024j).

## 1 Introduction

BHP Iron Ore Pty Ltd (BHP) has commissioned WSP Australia Pty Ltd (WSP) to conduct geotechnical, hydrological, hydrogeological, geochemical, and closure studies for the Definition Phase Study (DPS) for the Jimblebar Beneficiation (JBB) De Grey and Swan In-pit storage facilities (IPTSFs). The existing pits are currently referred as orebody (OB)18 De Gey and OB17 Swan. The key purpose of the DPS is to pre-emptively secure a deposition location for tailings processed at a proposed beneficiation plant at Jimblebar.

As part of the DPS, this report presents the Conceptual Exposure Model (DPS CEM), an update to the SPS CEM (WSP, 2023a). At the direction of BHP, the DPS CEM incorporates a high level risk identification summary that considers the potential risks of the project on water resources and ecological and human receptors within the surrounding environment at a regional scale.

## 1.1 Purpose

This report presents the updated DPS CEM that includes a revised risk assessment of chronic exposures and effects to human and ecological receptors, using based on the outcomes of the associated studies listed below.

The following studies have been used to inform the development of the DPS CEM.

- Conceptual Exposure Model (Selection Phase Study) (WSP, 2023a).
- Slope stability assessment (WSP, 2024a).
- Water balance model (WSP, 2024b).
- Tailings deposition (WSP, 2024c).
- Consolidation modelling (WSP, 2024d).
- Water quality modelling (WSP, 2024e).
- Groundwater assessment (WSP, 2024f).

Specifically, the DPS CEM focuses on the complete source-pathway-receptor (SPR) linkages for exposures associated with the Swan and De Grey IPTSFs <sup>3</sup> and human and ecological receptors for both operations (pre-2051) and closure (post-2051). The DPS CEM incorporates the selection and design of a Preferred Investment Alternative (PIA) for closure which is understood to be partial backfill, as described in Section 7.1.1 (WSP, 2024g).

This work has been performed in accordance with the CEM objectives outlined in Section 3.2.3 of Proposal for Jimblebar In-Pit Tailings Storage Facility Definition Phase Study (reference number: PP135736-001-R-Rev2, dated 24 November 2022).

<sup>&</sup>lt;sup>3</sup> Via air (dust), surface water and groundwater pathways.

## 1.2 Background

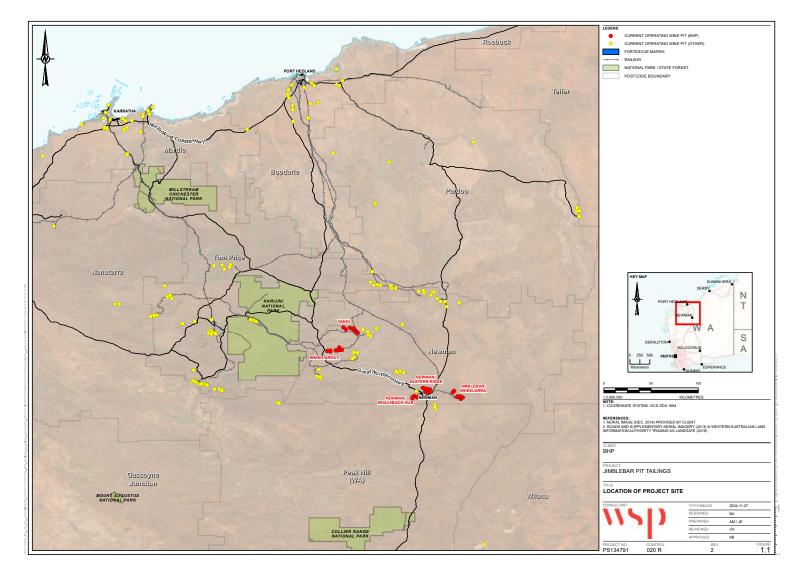
#### 1.2.1 Extractive mining operations

BHP Western Australian Iron Ore (WAIO) currently operates iron ore mining in the Pilbara region of northern Western Australia and processes the ore in four processing hubs (i.e., Newman, Jimblebar, Mining Area C, and Yandi). The Jimblebar Hub, located approximately 35 km east of the town of Newman, includes the following orebodies:

- Orebody 17 (Swan OB17) and Orebody 18 (De Grey OB18) Extractive mining operations, concluded in 2020.
- Orebody 31 (OB31) still operating.

The activities conducted at the Jimblebar orebodies consisted of above and below water table open pit mining, with dewatering infrastructure utilised to abstract groundwater for access to below water table ore.

The locality of the project site is presented on Figure 1.1 on the following page.



#### 1.2.2 Context of the IPTSF

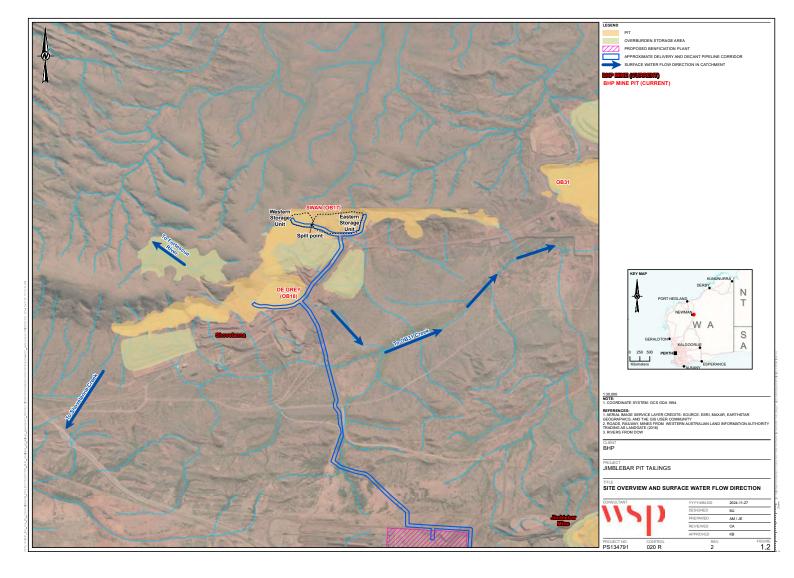
An Identification Phase Study (IPS) was undertaken in 2020 to consider the development of an in-pit strategy for the disposal of tailings produced at the Jimblebar operation (SKR, 2020). The IPS considered numerous pit options for the IPTSFs but recommended the De Grey Pit. The IPS presented the findings of the conceptual tailings deposition, hydrogeological, geochemical and environmental assessments. BHP undertook a trade-off study based on technical, safety, environmental, and economic risks, to compare several options for tailings disposal solutions. In-pit storage of short- and medium-term tailings was deemed the most appropriate option at the time, based on these considerations with the De Grey and Avon Pits considered as the most beneficial for this option. An SPS was therefore required to better understand the potential execution of this endeavour.

Previously, BHP commissioned Golder Associates (now WSP) to undertake the SPS tailings design, geotechnical, hydrological, hydrogeological, geochemical, CEM, and closure studies for the De Grey and Avon Pits. A decision was made to replace the Avon Pit with the Swan Pit primarily due to low capacity and high rate of rise in the Avon Pit. The SPS was completed by Golder Associates in 2021.

The operations phase of the IPTSF is projected to occur from Financial Year 2028 (FY28) to Financial Year 2051 (FY51). Operations comprises active tailings deposition from FY28 to FY31 as part of the first fill, and subsequent fill cycles through to FY47 prior to closure implementation (FY51) (WSP, 2024b). The tailings deposition process includes deposition cycling between De Grey and Swan IPTSFs (i.e., 2-week on and off rotations). Once maximum tailings elevation is achieved as part of the initial fill (FY28 to FY31), the in-pit TSFs will remain dormant to allow tailings to consolidate, upon which subsequent filling phases will commence again until FY47 (WSP, 2024b). Closure implementation (post FY51) will involve a period of tailings consolidation (consolidation rate <1m/yr for the tallest tailing column will be reached in 2086 for De Grey and 2072 for Swan), until the final landform can be achieved.

The available capacity in the pits is 13.78 Mm<sup>3</sup> at maximum tailings elevation for De Grey and 10.80 Mm<sup>3</sup> at maximum tailings elevation for Swan. The Swan Pit consists of two (east and west) individual storage units separated by an internal high point (also referred to as an internal spill point) (Figure 1.2). Above this high point, the pit acts as a single storage unit (WSP, 2024b). The Swan tailings deposition plan reflects this configuration whereby the east storage unit is filled initially until it reaches the internal spill point, after which the western storage unit is filled.

The De Grey Pit consists of a single uniform storage unit for tailings deposition, starting at 474 m RL (WSP, 2024b). Deposition within the Swan Pit has been considered into a dry pit whilst De Grey tailings deposition will be into an existing pond. Decant pumping in both De Grey and Swan IPTSFs is proposed to commence at the start of tailings deposition and maintains the pond within a specified operating range (1 m deep pond) (WSP, 2024b).



# 2 Environmental Setting

## 2.1 Geology, Hydrology and hydrogeology

The Jimblebar operations are situated within three adjacent bioregions, consisting of the eastern portion of the Hamersley and Fortescue subregions of the Pilbara, and the Augustus subregion of the Gascoyne.

The Hamersley Range and Fortescue Plains subregions (where Swan Pit and De Grey Pit are located) are typified by an arid and tropical climate, with hot wet summers and cool dry winters. Rainfall is intense, seasonal, and variable (DPIRD, 2021). Average annual rainfall is typically 300 mm, most of which falls during the summer as a result of rain depressions and cyclones (BOM, 2021). These intense weather events tend to cause high flow ephemeral creeks, which rapidly connect through drainage networks. Hot, dry, and sunny conditions in the Pilbara lead to very high evaporation rates. As a result of these high temperatures and seasonal rainfall events, surface flow in creek systems within the Pilbara region is generally brief and temporary, as a result of rainfall events. Recharge to the aquifers is typically via infiltration following rainfall events where the host rocks are exposed, or via intermediary alluvial systems associated with surface drainage.

The Swan and De Grey Pits are located on the south flank of Shovelanna Hill (Figure 2.1). The surface water catchment divide borders the north and southwest sides of the Swan and De Grey Pits. Runoff from the ridge flows mainly to the south and east towards OB31 Creek, an east flowing tributary of Jimblebar Creek. Runoff from the ridge also flows towards the western side of the catchment divide, draining into the Shovelanna creek catchment, and runoff towards the north, flows into the Fortescue River, catchment, and floodplain in the direction of Fortescue Marsh located approximately 100 km to the northwest of the IPTSFs.

The aquifers at Shovelanna area comprise local orebody aquifers and a regional aquifer system.

The **local orebody aquifers** are found within the Marra Mamba Iron Formation and the Brockman Iron Formation and are characterised by secondary permeability and porosity that have developed coeval with mineralisation. As is typical for aquifers defined by secondary permeability and porosity, they tend to be less continuous which limits both total aquifer storage and interconnectivity along strike. The spatial extents (and associated aquifer storage) are variable and correlate with the size and interconnectivity of fractures.

The **regional aquifer system**, made up of Wittenoom Formation dolomites (Paraburdoo Member) and Tertiary Detritals where present and saturated, extends from Ethel Gorge in the west (located about 18 km west of OB18) to OB31 in the east.

Tertiary valley-fill sediments are developed along an east–west trending valley to the south of OB18, these are approximately 50 m thick in this area and consist of an alternating sequence of alluvial, colluvial, aeolian sediments and calcrete. Where saturated, the valley-fill aquifer is expected to have a higher specific yield than the surrounding bedrock aquifers. However, the monitoring data indicates, in general, unsaturated detritals occur around the OB18 pits.

The regional aquifers are the major pathways for groundwater flow in the region and under natural conditions groundwater flow is westerly. No discharge areas or associated groundwater dependent ecosystems (GDE) have been directly associated with orebody aquifers in the Shovelanna area.

## 2.2 Environmental receptors

The key environmental receptors identified are listed below followed by a summary of related details.

- The Ethel Gorge Threatened Ecological Community (TEC) with respect to groundwater.
- The ecological systems of the surface water bodies in the vicinity of the pits, including riparian vegetation.

The dominant land uses in the region are grazing, native pastures, ecological conservation, mining and urban. Unallocated Crown Land (UCL) and the Sylvania Pastoral Lease are the underlying land tenures occupying the Swan and De Grey areas. Table 2.1 presents an overview of the surrounding land uses based on a 30 km search radius for ecological receptors and wider for human receptors, including their location and relation to the proposed Swan and De Grey IPTSF.

With respect to groundwater, the key environmental receptor is the Ethel Gorge TEC. While OB31 dewatering is occurring, the seepage from the De Grey and Swan IPTSFs is not predicted to flow towards the TEC. However, seepage from the IPTSFs is expected to flow towards the OB31 dewatering system and surplus abstracted groundwater from this system is discharged to the Ophthalmia Dam Managed Aquifer Recharge (MAR) facility, which is adjacent to the Ethel Gorge TEC.

The MAR facility consists of the dam, four recharge ponds, two infiltration basins, and an open earth canal. Excess water from dewatering can be returned to the Ethel Gorge aquifer system via the Ophthalmia Dam MAR. The MAR maintains groundwater levels within the Ethel Gorge aquifer system, which hosts the stygofauna TEC, maintaining water levels on the TEC and the downstream Newman town potable water supply.

In addition, abstracted groundwater will also be injected into the Ninga MAR, which is approx. 1 km from the Warrawandu water supply and mining camp.

Other environmental receptors include the ecological systems, including riparian vegetation, of the surface water bodies in the vicinity of the pits, including creeks and minor drainage lines to the east downstream of OB31.

For the purposes of the CEM, it is assumed that the current land uses will persist beyond the life of the Swan or De Grey IPTSF.

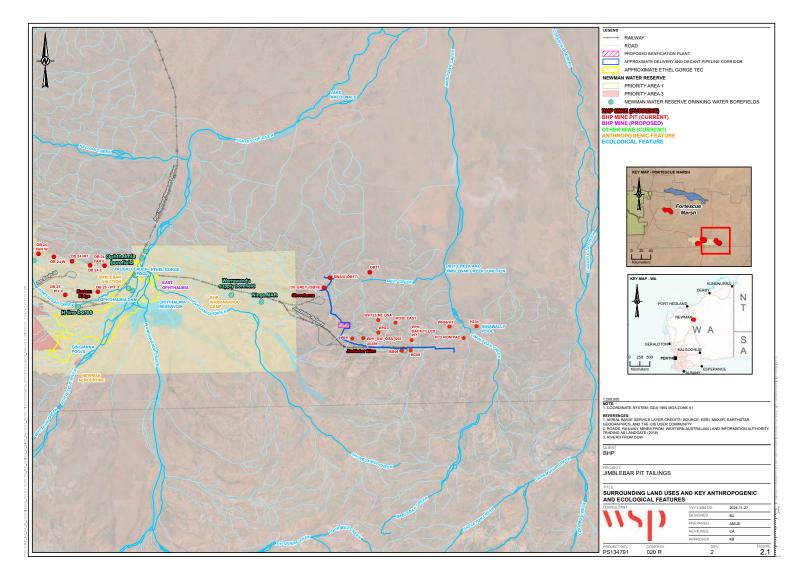
#### Table 2.1Surrounding land Uses

Direction from site	Land Use Activity/Features <sup>1</sup>
North	<ul> <li>Lake Macdonald (19 km north)</li> </ul>
	— Kalgan Creek (19.5 km northwest)
	— Sandy Creek (21 km northwest)
East	— Jimblebar Creek (13 km downgradient)
	<ul> <li>Jigalong Aboriginal Community<sup>2</sup> (60 km east)</li> </ul>
	— Carramulla Creek (23 km east)
	— Coobina Chromite Mine (28 km southeast)
South	— OB31 Creek (<1km south)
	— Innawally Pool (16 km southeast)
	— Sylvania Creek (22 km southwest)
West	<ul> <li>Shovelanna Creek (&lt;7 km downgradient)</li> </ul>
	<ul> <li>BHP Warrawandu Mining Camp (11.5 km west)</li> </ul>
	— BHP Warrawandu Water Supply Borefield (as above)
	<ul> <li>Newman Water Reserve<sup>3</sup> (~1 to 2 km west)</li> </ul>
	— Ninga MAR (~10 km west)
	— Town of Newman and associated facilities and infrastructure <sup>4</sup> (31 km west)
	<ul> <li>Parnpajinya Aboriginal Community<sup>5</sup> (31.5 km west)</li> </ul>
	<ul> <li>Major roads, such as Marble Bar Road (~18 km west)</li> </ul>
	— Ethel Gorge TEC (17 km west)
	— Ophthalmia Dam (17 km west)
	— Ashburton River (18 km west)
	— Upper Fortescue River <sup>6</sup> (23.5 km northwest)
	— Newman Airport (29 km southwest)
	— Sylvania Station (28 km southwest)
	— Southern reaches of the Fortescue River <sup>6</sup> (22 km southwest)
	— Trugallenden Pool (18 km southwest)

Notes:

- 1) Sensitive human health and ecological receptors down hydraulic gradient and within 10 km of Swan (OB17) and De Grey (OB18) are bold.
- 2) Jigalong is an Aboriginal community of approximately 300 people, situated approximately 60 km to the east of Jimblebar.
- 3) The boundary of the Newman Water Reserve encompasses the groundwater bores that supply the public drinking water for the town of Newman. The IPTSFs are not located within the Newman Water Reserve, but it is adjacent to the eastern boundary of the reserve and has been included in the receptor identification process for completeness.
- 4) Facilities and infrastructure associated with the town of Newman include a wastewater treatment plant, cemetery, residential, commercial and light industrial areas, and various recreational facilities (e.g., golf course, horse racing track, gun club and shooting range).
- 5) Parnpajinya is an Aboriginal community of approximately 60 residents and 13 houses that is situated in the northern part of the town of Newman.
- 6) For the purposes of this report, the Fortescue River has been divided into the upper and lower reaches based on proximity above and below the Ophthalmia Dam. The lower Fortescue River is outside of the scope of this investigation, due to its distance from the IPTSF.

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## **3** Scope of the DPS CEM

### 3.1 Overview

The DPS CEM described in this report builds upon the initial SPS CEM and is augmented by the updated hydrogeological and geochemical studies and information received from BHP. To summarise, the following are the key factors and elements considered in the development of the DPS CEM.

- Assessment of the potential risk of adverse effects to ecological and human receptors (excluding Occupational Health and Safety risk<sup>4</sup>) in accordance with the Western Australian Department of Water and Environmental Regulation (DWER) *Guideline: Risk Assessments* (DWER, 2020). Section 4 provides detail on the risk assessment approach.
- Identification of water being the main pathway by which contamination may be conveyed away from the IPTSFs to
  receiving environments. The focus of this report is on water resources and the associated modelling studies (surface,
  groundwater, geochemical) conducted to inform water quality and quantity. Other transport pathways and exposure
  scenarios were considered including exposure to fugitive dust and direct exposure to waste fines and/or ponded
  water if receptors enter the TSF containment.
- Consideration of both operations and closure phases, expected to be from 2028 to 2050 (operations) and post-2051 (closure). Summaries of the operations and closure phases are provided in Section 3.1.
- Revision of the SPS CEM based on the updated understanding of the IPTSFs developed through the wider DPS, the closure design and other related studies, which are summarised in Section 3.3.

The scope of the DPS CEM does not consider, with any specificity, the quality of the current surface and groundwater quality and attributes. The state of the current water quality has been used in the identification of chemicals that may be at elevated concentrations due to natural processes or existing mining activities. Prior work by BHP to develop groundwater Site Specific Trigger Values (SSTV) (for a range of physical-chemical properties) and surface water SSTV (for Total Dissolved Solids (TDS) and pH) for the region implicitly consider natural elevation in baseline surface water and groundwater quality.

The DPS CEM does not consider current monitoring or modelling of future air quality (dust). WSP understands that BHP monitors and manages current dust issues as a part of the wider Jimblebar Precinct. The DPS CEM assessment of dust is based on a qualitative assessment and provides a discussion on likely dust management measures.

The approach taken to assigning risk ratings to each of the SPR linkages is described in Section 4.

<sup>&</sup>lt;sup>4</sup> The DWER (2020) risk assessment guidelines excludes employees, visitors, and contractors of the licence holder, and therefore assessment of occupational health and safety related risk has not been included. Occupational health and safety risks to workers during operations or physical safety risk to the community during closure will be assessed and managed elsewhere via other mechanisms.

## 3.2 Operations and Closure Phases CEM

The operations phase of the IPTSF is considered to occur from FY28 to FY51 (BHP, 2023b). Operations comprises active tailings deposition from FY28 to FY31 as part of the first fill, and subsequent fill phases ("topping up" cycles) through to FY47 prior to closure implementation (FY51). The operations CEM considered SPR linkages while tailings are being deposited into the IPTSF during the first fill and subsequent fills, and the periods of consolidation between the subsequent fills (up to FY51). The land use during operations is considered to be an operational mine site.

The closure phase of the IPTSF is considered to occur from FY51, once tailings deposition has ceased. The closure CEM considers SPR linkages post-FY51, including a period of tailings consolidation before the final landform has been achieved. The preferred closure option is partial backfill (discussed further in Section 6), with the final land use expected to be native ecosystems and potentially some limited grazing. Note that the stability of any pit voids and post-closure rehabilitation measures such as revegetation over tailings would need to be considered and assessed to ascertain suitability for grazing.

## 3.3 DPS CEM Inputs

Key information used in the DPS CEM assessment has been sourced from the following documents and studies that were prepared to support the DPS and Closure Design:

- Tailings Deposition Model (WSP Ref: PS134791-WSP-ADL-MNG-MEM-017 Rev3 DPS Tailings Deposition Update at De Grey and Swan pits) BHP Document Number 7731-A85248-VD-00004 Dated 30 September 2024.
- Tailings Consolidation Model (WSP Ref: PS134791-WSP-ADL-MNG-REP-033 Rev2 DPS Consolidation Modelling Update) BHP Document Number 7731-A85248-VD-00004. Dated 8 October 2024.
- Water Balance Model (WSP Ref: PS134791-WSP-ADL-MNG-REP-026 Rev1) BHP Document Number 7731-A85248-VD-00018. Dated 29 October 2024.
- Groundwater Assessment (WSP Ref: PS134791-WSP-PER-MNG-REP-065-Rev2 Groundwater Assessment) BHP Document Number 7731-A85248-VD-00042. Dated 25 September 2024.
- Water Quality Model (WSP Ref: PS134791-WSP-PER-MNG-REP-058 Rev3) BHP Document Number 7731-A85248-VD-00019. Dated 8 January 2025.

#### 3.3.1 Links between water related components of DPS

WSP has completed a number of water-related assessments as part of the DPS design of the Swan and De Grey IPTSFs. These water components each have separate objectives as well as interdependencies to other water related components on the project. Figure 3.1 summarises the objectives of each component and its links to other water related components. Ultimately all these components inform and are summarised in the detailed design reporting. Key studies informing the CEM are discussed in the following sections.

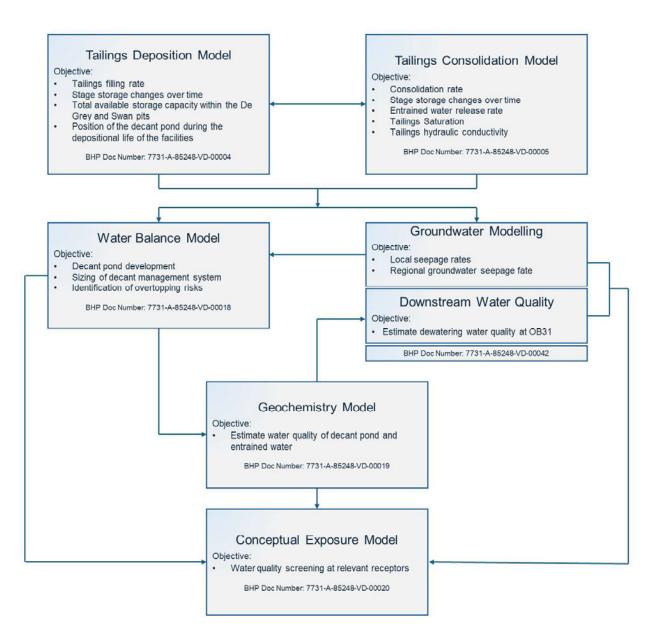


Figure 3.1 Links between water related components of the DPS

#### 3.3.2 Project design elements

Information on known project design elements for the DPS was provided to BHP by Calibre<sup>5</sup> consultants. The information included delivery and decant water pipeline routes and proposed measures to manage a failure of a pipeline (BHP, 2024c).

#### 3.3.3 Geochemical testwork of tailings samples

WSP Golder assessed the geotechnical and geochemical characteristics of five composite tailings samples, understood to be representative of the tailings likely to be generated at the Jimblebar Beneficiation Plant (WSP Golder, 2022). The tailings composite samples supplied by BHP have a 'P2 Blend' base with varying proportions of Joffre and Marra Mamba tailings. The compositions of the tailings samples are presented in Table 3.1.

<sup>&</sup>lt;sup>5</sup> CalibreQuadR, now part of WSP.

Sample ID	P2 Blend (%)	Joffre (%)	Marra Mamba (%)
P2 Blend	100	0	0
High Joffre	40	60	0
High Marra Mamba	50	25	25
SPS Average Tailings Blend	52.5	40	7.5
High P2	82.5	10	7.5
Low P2^	-	-	-

Table 3.1 Jimblebar tailings composites samples

BHP has indicated that SPS Average Tailings Blend and High P2 tailings are likely to be generated during the first five years of Beneficiation plant operation. High P2 has also been assumed to be the representative sample for tailings produced following the first five years of production as mining operations continue. Note that SPS Average Tailings Blend and High P2 were previously named Average Blend and High Dales respectively in the tailings testwork report and corresponding laboratory test reports. Further detail on the analysis is provided in "Jimblebar VD12 Variation: Results of geotechnical and geochemical testwork on tailings composite samples" (WSP Golder, 2022).

WSP understand that two of the tailings blends, "SPS Average Tailings Blend" (formerly Average Blend) and "High P2" (formerly High Dales), will be the predominant blends present in the IPTSFs (BHP, 2023c). Therefore, geochemical analysis of these two blends has been considered in the CEM. The analysis results data for tailing solids and tailings supernatant (slurry) water has been used in the development of the DPS CEM including the associated risk assessment (Section 4).

#### 3.3.4 Water balance

WSP developed an operations water balance model for the DPS using the Goldsim software (WSP, 2024b). The water balance model estimated water surpluses and deficits of the IPTSFs during the operational phases. The mean water quantity estimates provide a basis for the geochemical assessment (discussed in Section 3.3.5). In addition, the water balances assisted with understanding pond behaviour during and in-between tailings filling phases to assess decanting requirements to prevent overtopping during these periods. The water balance model presented the following sensitivity scenarios:

- Climate scenario base case and two climate change scenarios using the Willis Towers Watson (WTW) dataset for rainfall and evaporation mean monthly and annual projections provided by BHP. For the water quality model and assessment in the CEM, only the shared socio-economic pathway (SSP) SSP5-8.5 scenario is simulated, as it represents the worst-case wet scenario.
- Two seepage outflow scenarios have been assessed which reflect the outcomes of the groundwater study component (WSP, 2024c). This includes base case and highest case seepage outflow scenarios.

A simplified water balance was also developed to represent the original Closure Option 1 conditions – Optimised Without, OWO (WSP, 2023) - using the 90 percent tailings consolidated surface to represent the IPTSF closure landform elevations. Note that the preferred closure option is now Partial Backfill (original Option 2), but additional modelling was not seen as essential to provide sufficient indicative information to allow screening risk assessment.

The key inflow is rainfall-runoff, as decommissioning of the beneficiation plant removes the peak inflow of supernatant water from tailings deposition. Two reporting catchment scenarios were assessed looking at the fate of the adjacent Overburden Storage Area (OSA) final landform. One scenario assumes runoff from the final OSA landform crest reports to the IPTSF closure pond (if the crest grading and/or diversions are not maintained during closure), and the other assumes runoff is permanently diverted away from the IPTSF closure pond. The mean water quantity estimates for the conceptual closure condition were also provided as a basis for the geochemical assessment (discussed in Section 3.3.5).

#### 3.3.5 Water Quality

WSP developed an updated operational water quality model (WSP, 2024e). The model is developed from the mean water inflow/outflow results of the water balance assessment (discussed in Section 3.3.4), tailings deposition modelling and pit wall exposure mapping (WSP, 2024c), and laboratory testing ( (Golder, 2021a) and (WSP Golder, 2022)). The water quality model output represents the potential water quality within the IPTSF decant pond and the 'at-source' seepage composition from the decant pond. The model considered two sensitivity scenarios in addition to the base case:

- Base Case comprising a mixture of scenarios with and without geochemical controls (such as equilibrium with atmospheric CO2, precipitation of mineral phases and sorption onto precipitated ferrihydrite surfaces). The base case scenario considers a mix between sensitive scenarios combining 80% geochemically controlled conditions and 20% non-geochemically controlled conditions.
- Highest Case (also referred to as High Seepage) considering tailings hydraulic conductance is assumed to be 2 times higher than those used in the Base Case.
- Climate Change comprising scaling of the stochastic climate by the mean projected rainfall and evaporation data for SSP5-8.5 scenarios from the WTW dataset provided by BHP.

Further information on the sensitivity tests is provided in the water quality modelling report (WSP, 2024e). The base case scenario (in both the water balance and water quality modelling) forms the models most expected outcomes based on the information considered in the respective studies.

The water quality model outputs represent the potential water quality of the combined surface runoff going into the pit catchment, including direct rainfall/precipitation and subsequent evaporation. Water quality was modelled for two scenarios for the Swan pit and four scenarios for De Grey pit. The differences between scenarios are the inclusion of OSA runoff and re-exposure of pit wall rock following erosion of consolidated tailings.

#### 3.3.6 Groundwater Assessment

WSP undertook hydrogeological modelling to develop an understanding on how contaminants, present in the proposed IPTSFs, would potentially impact upon groundwater conditions and environmental receptors (WSP, 2024f). The analysis included predicting the potential seepage rates that may occur during the operational period of tailings deposition (including top up events) and the subsequent consolidation phase until the end of the dewatering operation at OB31 in 2055. The analysis evaluated the potential dilution of concentrations of likely contaminants present in the tailings at the OB31 dewatering system. Dilution factors were calculated with time, and dilution factors were calculated considering three periods; initial condition, first filling seepage and sustained seepage. The average dilution factors have been qualitatively discussed in relation to the pond water quality screening assessment, refer to Section 5.6.

#### 3.3.7 Site investigation of PFAS in groundwater

Two targeted site investigations were undertaken, by ERM in 2022 and 2023, as part of a broader regional assessment to understand the nature and extent of per- and poly-fluoroalkly substances (PFAS) in soil and groundwater at the Jimblebar Mine Site ( (ERM, 2023). Six groundwater monitoring wells (JBCSGW0001 – JBCSGW0006) were installed and sampled in the vicinity of OB18 Pit and OB31 Pit. Analytical results for PFAS compounds were generally reported as less than the limit of reporting (LOR) or below the adopted assessment criteria for ecological protection and human health, with the exception of monitoring well location JBCSGW006. In the first monitoring round (May 2022) Perfluorooctane sulfonic acid (PFOS) at monitoring well location JBCSGW006 (concentration 0.0012  $\mu$ g/L) was reported to exceed the PFAS NEPM Ecological water quality guideline value for freshwater 99% species protection (high conservation value system) (criteria of 0.00023  $\mu$ g/L). However, in the second monitoring round (November 2022) PFAS analytical results were below the LOR, including PFOS which was reported as <0.0002  $\mu$ g/L.

Therefore, PFAS compounds have not been included as a potential stressor of interest (PSOI) in the DPS CEM because PFAS compounds were observed to be non-detect or at relatively low concentrations in groundwater in the vicinity of OB18 Pit and OB31 Pit. WSP understands that BHP will continue to assess and manage PFAS in the wider Jimblebar Precinct as a separate scope of works.

## 4 Risk Assessment Approach

The risk assessment component has been carried out according to the DWER *Guideline: Risk Assessments* (DWER, 2020), as the regulatory risk framework. Risk ratings are calculated as a function of likelihood and consequence. The general method outlined in DWER (2020) is as follows:

- Identify the risk events through SPR analysis.
- Establish the consequence of each risk event and apply consequence rating (Table 4.1).
- Establish the likelihood of each risk event and apply a likelihood rating (Table 4.4).
- Apply a risk rating using consequence criteria and likelihood criteria.
- Determine the risk rating via the risk rating matrix (Table 4.5).

### 4.1 Identifying risk events

Risk events have been identified, as per DWER (DWER, 2020) by the process of identifying potential contamination (emission); a receptor which may be exposed to that hazard through an identified actual or likely pathway; and the potential adverse effect to the receptor from exposure to that hazard. In summary, establishing potential SPR linkages.

### 4.2 Establishing the consequence - screening assessment

The DWER (DWER, 2020) guidelines recommend the use of specific criteria for consequences to the environment or public health to determine the consequence rating for each identified potential risk event. The specific criteria are applied at the receptor identified as most affected by the emission and considering the nature, value and sensitivity of the receptor. This has been undertaken via a screening assessment process described below. Each risk event is assessed and given a consequence criteria as per Table 4.1.

Consequence	Consequence Description		
	Environment	Public Health and Amenity <sup>1</sup>	
Severe	On-site impacts: catastrophic.	Loss of life.	
Severe	Off-site impacts local scale: high level or above.	Severe adverse health effects or ongoing	
	Off-site impacts wider scale: mid-level or above.	medical treatment.	
	Mid to long term or permanent impact to an area of high	Specific Consequence Criteria <sup>2</sup> are	
	conservation value.	significantly exceeded.	
	Specific Consequence Criteria are significantly exceeded.	Local scale impacts: permanent loss of	
		amenity.	
Major	On-site impacts: high level.	Adverse health effects or frequent medical	
	Off-site impacts local scale: mid-level.	treatment.	
	Off-site impacts wider scale: low level.	Specific Consequence Criteria exceeded.	
	Short term impact to an area of high conservation value.	High level impact to amenity.	
	Specific Consequence Criteria are exceeded.		
Moderate	On-site impacts: mid-level	Adverse health effects or occasional medical	
Wibuciate	Off-site impacts local scale: low level	treatment.	
	Off-site impacts wider scale: minimal.	Specific Consequence Criteria are not likely	
	Specific Consequence Criteria are not likely met.	met.	
		Mid-level impact to amenity.	

Table 4.1	Consequence criteria	(DWFR.	2020)
	Consequence ontena		2020)

Consequence	Consequence Description				
	Environment	Public Health and Amenity <sup>1</sup>			
Minor	On-site impacts: low level.	Specific Consequence Criteria are likely met.			
10111101	Off-site impacts local scale: minimal.	Low level impact to amenity			
	Off-site impacts wider scale: not detectable.				
	Specific Consequence Criteria are likely met.				
Sugut	On-site impacts: minimal.	Specific Consequence Criteria met			
	Specific Consequence Criteria met	Minimal impacts to amenity			

Notes:

1) Such as air and water quality, noise, and odour.

2) In this assessment, Specific Consequence Criteria are the screening criteria presented in Section 4.2.1).

It is common practice in human health and ecological risk assessment to undertake a screening assessment to establish if any of the identified chemical hazards warrant further investigation. This involves a comparison of the available known concentration of chemical hazard within the media under scrutiny (exposure concentrations) with published and established risk-based guidance levels or SSTV (screening criteria). Risk-based guidance levels are generally derived using the following factors:

- Toxicity of the agent dose-response information to understand how much will cause an adverse effect.
- Generic exposure scenarios and assumptions so the criteria can be applied broadly across a range of situations.
- Application of uncertainty and safety factors to account for variation and uncertainty.

Screening assessments are inherently conservative, and it should be noted that an exceedance of a screening criteria does not mean an adverse effect is imminent or even likely but is simply a trigger for further investigation.

- Firstly, screening criteria have several layers of conservatism or safety applied in their derivation and are set at levels
  well below concentrations that may cause adverse effects, often by orders of magnitude That is, they err well on the
  side of caution and are deliberately overly-protective of different environments (e.g., groundwater/groundwater
  dependent ecosystems, surface water and/or terrestrial environments) and receptors (e.g., ecological fauna, livestock
  or human health).
- Secondly, the environmental data used will often involve use of upper 90th percentile (P906) or maximum concentrations that are unlikely to present most of the time in likely exposure situations. Note that in this assessment, both the P90 and average chemical concentrations identified within the associated media have been used as the exposure concentrations for screening purposes.
- Screening criteria are also usually derived using general exposure assumptions that are based on worst-case scenarios to cover a wide range of situations and sensitive sub-populations. For example, the NHMRC Recreational Water guideline values are based on the assumption that a person will consume 200 mL of water (approximately half a soft drink can, or nearly a standard cupful) whilst swimming every day for a lifetime. In reality, these types of generic scenarios do not generally occur and the screening criteria likely overestimate the exposure as a precautionary tactic.

The screening process against hazard-based guideline values tryically results in a ratio known as the hazard quotient (HQ). The HQ is calculated using the equation below.

Hazard Quotient:  $HQ = \frac{Exposure \ concentration}{Screening \ criteria}$ 

The HQ is a measure of the margin of safety rather than a line identifying definite adverse effects. The margin of safety is reflected in the size of the HQ. The smaller the HQ the larger the margin of safety.

<sup>&</sup>lt;sup>6</sup> P90 is the 90<sup>th</sup> percentile in the data set. That is 90% of the analysed sample concentrations will be lower than the P90 value.

- If the HQ is less than or equal to one, the exposure concentration is less than or equal to the screening criteria, indicating that the chemical is highly unlikely to cause adverse effects and generally no further assessment is required.
- If the HQ value is greater than one, the exposure concentration is greater than the screening level. Given the screening criteria are overly conservative in relation to risk of adverse effects, this assessment has adopted a HQ of five (5) to be used as the trigger for further evaluation of the potential for risk to a specific receptor or receptors in the site-specific setting.

This assessment has used the lowest screening criterion (i.e. most protective) in instances where multiple guideline values where available for the one exposure scenario (e.g., where two groundwater SSTVs were available for one chemical). Where the use of the alternative SSTVs results in a different outcome, this is included in the discussion.

#### 4.2.1 Adopted screening criteria

The following provides the screening criteria that have been adopted for identified risk event and each media type. Note that due to an absence of more site-specific criteria, many of the ecosystem screening criteria are derived from international studies of plants, animals and ecosystems that don't generally apply to Australian flora and fauna, due to differences in soil types, climate, species types and other factors. Regardless, these criteria are not completely unrelated and provide some basis to assess the consequence.

#### 4.2.1.1 Tailings solids screening criteria

In the absence of tailings-specific screening criteria, the tailings solids data has been screened against the following soil quality guidelines grouped by potential receptors and listed in order of preference.

Screening Criteria	Guideline	
Ecological	National Environment Protection Measures (NEPM, National Environment Protection Council, 2013) Ecological Investigation Levels (EILs) for Areas of Ecological Significance <sup>1</sup> .	
	Canadian Council of Ministers of the Environment (CCME, 2023) Soil Quality Guidelines (SQG) for land use of Residential/Parkland.	
	United States Environmental Protection Agency (US EPA, 2005) ecological soil screening levels (EcoSSLs).	
Livestock Health CCME (2023) SQG for land use of Agriculture.		
Human Health	NEPM (NEPC, 2013) Health Investigation Levels (HILs) for Land Use Category C (Recreational).	
	US EPA (2023) Regional Screening Levels (RSLs) – Residential Soil adjusted for recreational exposure <sup>2</sup> .	

 Table 4.2
 Summary of tailings solids screening criteria.

Notes:

 As site-specific soil data for cation exchange capacity, pH, organic carbon and % clay is not currently available, estimated EILs have been developed using generic soil parameters intended to be representative of the Jimblebar Hub.

2) US EPA RSLs for Residential settings have been increased by a factor of 4 (to account for differences in soil ingestion rates) to be more representative of likely recreational exposure.

#### 4.2.1.2 Water Screening criteria

The available water data, including tailings supernatant (dissolved and total), pond water quality modelling data, and OB31 dewatering water quality outcomes, has been screened against the following receptor-specific water quality guidelines.

Table 4.3 Summary of receptor-specific water screening criteria.

Screening Criteria		Guideline			
Ecological	Groundwater	Jimblebar Groundwater SSTV SSTVs (Golder, 2015) <sup>3</sup> .			
-		BHP Shovelanna SSTVs (HGG,2023) <sup>4</sup> .			
	Surface water	Jimblebar Creek Surface water SSTV (BHP, 2018a)			
		Ophthalmia Dam Surface water SSTV (BHP, 2018a)			
	For parameters without surface water SSTVs, the following were used:	ANZG (2018) 95% species protection Default Guideline Values (DGVs) for Freshwater <sup>5</sup> toxicants (i.e., for slightly to moderately disturbed systems) <sup>5</sup>			
		ANZECC and ARMCANZ (2000) physical chemical stressor DGV for tropical wetlands <sup>7</sup>			
Livestock		Livestock Drinking Water Trigger Value (low risk) (ANZECC,2000)			
Human Health		NHMRC and NRMMC (2011, updated in 2022) Australian Drinking Water Quality Guidelines (ADWG) <sup>1</sup>			
		NHMRC (2008) recreational water guidelines (which refer to the ADWGs <sup>2</sup> ).			

#### Notes:

- 1) Applies to total, not filtered (dissolved) concentrations.
- 2) NHMRC (2008) suggest a 10× increase in the guideline value can be applied when considering incidental ingestion of recreational water during activities such as swimming, wading, fishing, and entry into water bodies. Due to the ephemeral nature of the creeks in the vicinity of Swan and De Grey, the ingestion of waters is likely to be conservative apart from recreation in Ophthalmia Dam, but recreational activities in and on Ophthalmia Dam are prohibited
- 3) These SSTVs were part of GWL Operating Strategy for Jimblebar (Document number 0019543, Version 4.0, dated 15 February 2018) which forms part of the licence conditions for Licence to Take Water GWL158795(8). The Jimblebar SSTV are used in the first instance given their regional relevance and approval by WA Department of Water and Environmental Regulation (DWER).
- 4) Groundwater SSTVs for Shovelanna Operations ("Shovelanna Groundwater SSTVs (2023)") in Hydro Geochem Group (2023) Revision of Site Specific Trigger Values for Groundwater Quality Monitoring (document number J-H-AU0062-001-R-Rev0, dated 23 June 2023). While these SSTVs are more recent and specific for the Shovelanna area, they are yet to be approved by DWER. Therefore, in the interim, both the Jimblebar SSTVs (Golder, 2015) and the Shovelanna SSTVs will be used in the screening processes.
- 5) In the absence of available water quality data (i.e., total dissolved solids, electrical conductivity) for OB31 Creek, it is assumed that the Creek is a freshwater system.
- 6) In the absence of site specific information on the ecosystem description of OB31 Creek (e.g., water quality data) and considering the historical and ongoing mining practices in the area, OB31 Creek is considered likely to be representative of a highly disturbed ecosystem (and to which the 90% species protection levels may be applied). However, given the uncertainties in the CEM including the designation of water quality of OB31 Creek and the limitations of the model outputs available to inform the assessment of risk, screening of water quality against the 95% species protection levels (for a slightly to moderately disturbed ecosystem) has been used as a conservative assessment.
- In the absence of site-specific criteria for phosphorous and total nitrogen based on West Australian River pools provided in ANZECC & ARMCANZ 2000, Vol 2 (Section 8.2.2, Table 8.2.3).

### 4.3 Establishing the likelihood – exposure evaluation

The likelihood of a risk event has been rated using the likelihood criteria in Table 4.4 as per the DWER (2020) risk assessment process. Rating likelihood has been informed by the outcomes of the associated studies listed in Section 3.3 combined with specialist evaluation of the risk event exposure scenarios and the factors associated with screening criteria exposure assumptions.

Likelihood	Likelihood Description		
Almost Certain	The risk event is expected to occur in most circumstances.		
Likely	The risk event will probably occur in most circumstances.		
Possible	The risk event could occur at some time.		
Unlikely	The risk event will probably not occur in most circumstances.		
Rare	The risk event may only occur in exceptional circumstances.		

Table 4.4Likelihood criteria (DWER, 2020)

As discussed in Section 4.2, the screening criteria values are established using generic exposure scenario assumptions that over-estimate exposure as a protective measure. These generic exposure factors include certain population characteristics, behaviours, and exposure frequencies and durations in order to be valid for a broad range of applications. For example, the Australian drinking water guidelines assume people drink 2 L of water per day; and the recreational water guidelines are based on the ADWG values include the assumption that 200 mL of water is ingested during recreational activities in the water 365 days per year. Swimming every day of the year and incidentally ingesting 200 mL of water is highly unlikely for most of the Australian population. These types of assumptions are applied to both human health and ecological guideline values.

With this in mind, the likelihood of an actual site-specific exposure occurring (at the scale assumed for the derivation of the screening criteria) for each risk event is considered when applying a likelihood criterion (as per Table 4.4) for each risk event. Where the risk event exposure is decidedly different than that assumed in deriving the applicable screening criterion, it is reflected in the likelihood criterion applied.

The rationale for decisions regarding likelihood are provided in the risk assessment tables in Section 5.7 and Section 6.7.

## 4.4 Risk ratings

Risk ratings for each risk event have been assessed in accordance with DWER (DWER, 2020) guidance. This involves the assessment of each identified emission or hazard source and consideration of potential SPR linkages. Where linkages are incomplete they have not been considered further in the risk assessment.

Consequence and likelihood criteria are rated for each applicable risk event based on specialist assessment of the fundamental factors and assumptions, considering site-specific information and the various levels of conservatism applied throughout the process. It should be noted that conservatism also exists within the modelling processes used to estimate contamination concentrations within the water and tailings solids.

Likelihood	Consequence				
	Slight	Minor	Moderate	Major	Severe
Almost Certain	Medium	High	High	Extreme	Extreme
Likely	Medium	Medium	High	High	Extreme
Possible	Low	Medium	Medium	High	Extreme
Unlikely	Low	Medium	Medium	Medium	High
Rare	Low	Low	Medium	Medium	High

Table 4.5 Risk rating matrix (DWER, 2020)

Operations and Closure risk ratings are present in Section 5.7 and Section 6.7 respectively. The rationale used to reach the risk ratings are presented in Appendix D for Operations and Appendix E for Closure.

## 5 Operations Conceptual Exposure Model

## 5.1 Overview

A conceptual site model (CSM) diagram has been generated to visually represent the possible complete SPR linkages associated with operations of the Swan and De Grey IPTSFs (Figure 1.2). The sources (Section 5.2), pathways (Section 5.3), and receptors (Section 5.4) are described in greater detail in the following subsections. This is followed by Table 5.1 (Section 5.6), which presents the SPR linkages associated with operational phase of the Swan and De Grey Jimblebar IPTSF. Table 5.1 also includes the risk ratings assigned to each SPR linkage, including the rationale for these ratings considering mitigation and controls that may be put in place.

A key consideration for the Operations CEM is the hydrogeological understanding, which is discussed in Section 5.1.1.

#### 5.1.1 Hydrogeology

The pre-mining conceptualisation (BHP, 2022) of the hydrogeological setting between Ethel Gorge TEC and OB31 has the groundwater flow direction from Swan and De Grey Pits, from east to west (Figure 5.1) driven by low groundwater gradients of the order of a few metres over approximately 20 km. At least two partial flow barriers (dykes) are thought to exist between OB31 and the Ethel Gorge TEC aquifer (Figure 5.1). One is located south of the De Grey and Swan pit, whilst the other is located between the Ninga MAR borefield and OB18. These produce three quite distinct aquifer compartments. It is important to note that a number of planned mines, borefields and MAR schemes are located downgradient (west) of the Swan and De Grey Pits. The pre-mining conceptualisation does not account for these existing and future facilities that will modify the future groundwater flow paths towards Ethel Gorge.

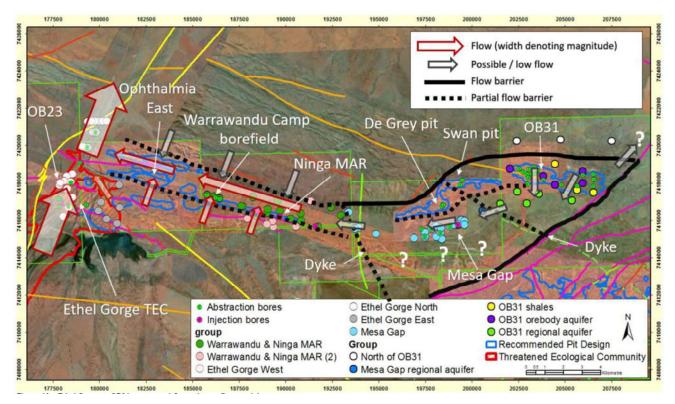


Figure 5.1 Regional conceptual model (pre-mining) (BHP, 2022)

Project No PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project 7731-A-85248-VD-00020 BHP Iron Ore Pty Ltd (BHP) Dewatering operations at OB31 will maintain groundwater levels at Swan Pit below the pit floor and draw groundwater at the Swan Pit to the east. This situation is likely to continue until sometime after dewatering at OB31 ceases, currently scheduled for 2055. The De Grey Pit, however, is not hydraulically connected to OB31 and is not responding to dewatering at OB31.

Hydrogeological modelling has confirmed that there will be some seepage losses from Swan and De Grey IPTSF during the operational phase (WSP, 2024i). The highest seepage rates from the pit occur during the tailings deposition when the tailings are in a slurry form or have not yet undergone significant consolidation. As the saturated tailings are deposited, the hydraulic pressure increases, which results in a gradual increase in infiltration rates until the deposition process is complete. The areas with the highest seepage rates are expected to be where the decant pond directly contacts the pit floor/wall or where the settling tailings come into direct contact with zones of high hydraulic conductivity. During fallow periods, there are minimal water inputs compared to the deposition phase and the tailings will progressively become unsaturated over time and the pressure head diminishes. The tailings also consolidate under their own weight which results in a reduction in hydraulic conductivity. Consequently, it is likely that the rate of tailings seepage will decrease over time.

Surface expressions of seepage are unlikely due to the considerable depth of the water table. Flow is expected to predominantly move downward through the unsaturated zone under gravity, recharging the deeper aquifer rather than moving laterally or toward the surface.

Groundwater modelling (WSP, 2024f) provided insights into the risk of groundwater level rise during IPTSF operations. While Swan Pit shows higher seepage rates than De Grey Pit, groundwater levels are predicted to remain below the Swan Pit floor due to ongoing dewatering at OB31. The majority of seepage from Swan during operations is expected to be captured by the OB31 dewatering system (WSP, 2024i) and the combined water from Swan seepage mixed with OB31 dewatering will be directed to Ophthalmia Dam reinjection facilities. In contrast, the De Grey Pit, which is not hydraulically connected to OB31, revealed localised effects of groundwater mounding. This is due to the pit being bounded by the lower permeability Mount McRae Shale and Mt Sylvia Formations, and due the inferred hydraulic barrier (dyke) between Swan and De Grey. The model predicts that groundwater mounding will not be high enough to result in seepage to ground surface.

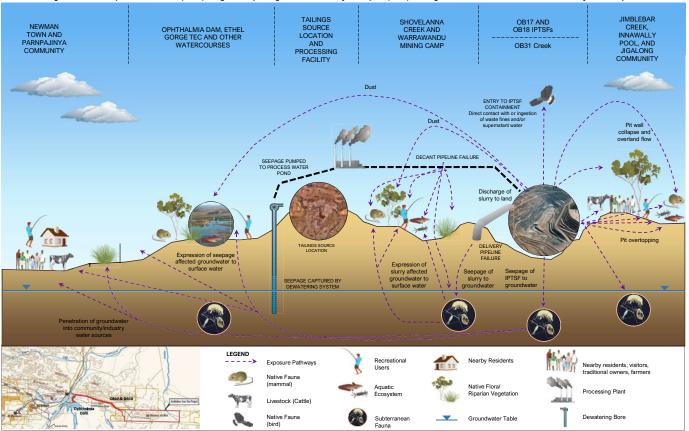


Figure 5.2: Conceptual Site Model (CSM) Diagram Depicting Source-Pathway-Receptor (SPR) Linkages Associated with Swan and De Grey IPTSF Operation

## 5.2 Potential Contamination Sources and Stressors

#### 5.2.1 Potential contamination sources

The main sources of potential contamination, associated with operation of the Swan and De Grey IPTSF are:

- Waste fines/tailings slurry, including tailings solids and tailings supernatant/process water.
- Decant water.
- Ponded water, comprising supernatant water from the tailings, and runoff from pit wall materials.

The contaminants associated with the above identified sources are dependent on the chemistry of the:

- Feed water quality<sup>7</sup>.
- Composition of the ore.
- Process chemicals (e.g., flocculants).
- Contribution from blast residues (i.e., nitrogen compounds).

#### 5.2.2 Environmental data

The following data is available for assessment of PSOI for the operation of the Swan and De Grey IPTSF:

- Analytical data for the tailings solids and supernatant water.
- Water quality model outputs from the geochemical assessment for the ponded water in-pit for Swan and De Grey IPTSF.
- Water quality predictions at the OB31 dewatering site (based on dilution factors established in the hydrogeological and water quality assessments for the seepage of water from the Swan and De Grey IPTSF to the OB31 dewatering system (WSP, 2024e)).

## 5.3 Potential Contaminant Pathways

The following transport pathways have the potential to expose receptors to risk, from PSOI associated with the operations of the Swan and De Grey IPTSF:

- Airborne dust.
- Seepage of IPTSF waters through base and/or pit walls to groundwater.
- Expression of groundwater contaminated with IPTSF waters to surface water.
- Surface water migration downstream along natural waterways/watercourses.
- Spillage from failure of delivery/discharge or decant water pipelines.
- Pit overtopping<sup>8</sup> and/or Collapse of pit wall. (Both events are generally related to localised instability or asymmetry in tailings discharge and could lead to similar outcomes, i.e. tailings release).

<sup>&</sup>lt;sup>7</sup> Feed water is the input/source water used to process the iron ore.

<sup>&</sup>lt;sup>8</sup> Tailings can "squeeze" causing overtopping on the opposite side to the point of discharge when freeboard is low (towards termination of filling the pit). This occurs due to weight of the tailings around the discharge point causing localised slumping that can create a surge of tailings to flow and produce overtopping of the ponded water (or tailings) at one side of the pit.

Potential receptors may become exposed to PSOI associated with the operations of the IPTSFs via the following exposure pathways:

- Inhalation of dust by humans.
- Dermal contact by humans or direct contact by native terrestrial fauna<sup>9</sup> with waste fines and/or supernatant water.
- Dermal contact by humans of the seepage water (e.g., during wading, fishing, or other recreational water activities).
- Direct contact/uptake of PSOI from water or other affected media (i.e., soil, sediment, groundwater) by aquatic or terrestrial flora and fauna.
- Ingestion of seepage water (e.g., by livestock or native fauna), including incidental ingestion by human recreational users of natural watercourses or waterbodies.

## 5.4 Potential Receptors

Based on site knowledge and a review of surrounding land uses (Section 2.2) and readily available information, the following were identified as potential receptors of interest (ROI) that may be exposed (either directly or indirectly as indicated in Table 5.1) by PSOI identified as associated with the IPTSF Operations (Swan and De Grey):

- Ecological Receptors:
  - Surface water aquatic ecosystems (Innawally Pool, OB31 Creek, Jimblebar Creek<sup>10</sup>, Shovelanna Creek and Ophthalmia Dam), including aquatic fauna and riparian vegetation.
  - Groundwater Dependent Ecosystems (GDE) as listed in the Australian Government Bureau of Meteorology, Groundwater Dependent Ecosystems Atlas (Appendix B of the SPS CEM):
    - Ethel Gorge aquifer stygobiont Threatened Ecological Community (TEC).
    - Subterranean fauna.
  - Native and terrestrial flora and fauna, including Commonwealth and State listed species of conservation significance (described in Appendix B of the SPS CEM for the full detailed Environment Protection and Biodiversity Conservation [EPBC] Act Protected Matters Reports and NatureMap Species Reports).
  - Livestock (cattle)<sup>11</sup>.
- Human Receptors:
  - Recreational users of nearby watercourses and waterbodies for wading, swimming, and fishing.
  - Newman Water Reserve<sup>12</sup> public drinking water source protection zones (Priority Areas 1 and 3) and associated borefields.
  - Nearby residents and visitors to the town of Newman.

<sup>&</sup>lt;sup>9</sup> Native terrestrial fauna includes migratory birds.

<sup>&</sup>lt;sup>10</sup> The Jimblebar Creek regional surface water catchment is depicted in Figure 1 of the BHP (2018) Surface Water Management Plan Jimblebar report.

<sup>&</sup>lt;sup>11</sup> The nearest pastoral leases to the Swan and De Grey ISTSF are the Prairie Downs Station to the west and the Sylvania Station to the southeast, both of which operate as cattle stations. The Sylvania Station pastoral lease is jointly owned by BHP and Pilbara Pastoral Co Pty Ltd and is operated by a private pastoral lessee. Ownership of the Prairie Downs Station is unknown.

<sup>&</sup>lt;sup>12</sup> Swan and De Grey are located ~1 km outside of the boundaries of the Newman Water Reserve, the area encompassing the borefields responsible for Newman's public drinking water supply (DOW 2014). Source water from the Newman Water Reserve is extracted and/or treated by BHP and the Water Corporation, prior to potable use.

- Warrawandu potable water borefield.
- Aboriginal residents and visitors of the Parnpajinya and Jigalong Communities.
- Traditional owners (Nyiyaparli people) and custodians (Martu people) of the land.
- Farmers associated with the Prairie Downs and Sylvania Stations.

Further information on the receptor identification process is provided in Appendix A.

It is acknowledged that the Newman town water supply source water is treated by BHP and the Water Corporation to meet the Australian Drinking Water Guidelines ( (NHMRC and NRMMC , (2011, updated 2021). ), as required by WA Health (BHP, 2021). Based on this, exposure of humans to hazards via drinking water that has indirectly been affected by the OB31 dewatering system is not likely a complete pathway (i.e., the hazard (emission) has been removed from the SPR linkage). However, to ensure completeness, and to protect the Warrawandu source, all town drinking water is being treated as an exposure pathway and assessed in the CEM.

In addition, some of the other exposure pathways are unlikely to be realised to major extents but have been included for completeness.

Assessment of impact to receptors exposed to water piped to Ophthalmia Dam assumes the pathway of exposure is complete and appropriate water quality and quantity data are available. Cumulative impacts from other operations to receptors using water from Ophthalmia Dam are excluded from this assessment.

## 5.5 Operations - Risk events (SPR linkages)

Table 5.1 presents the identified operations-related risk events as a summary of the exposure pathways that relate to each of the SPR linkages.

#### Table 5.1 Summary of Operations SPR linkages for IPTSF (Risk events)

Primary and Secondary Sources	Transport Pathway	Receptors		Exposu	ire Pathw	ays	
(Environmental Media)			Ingestion	Inhalation	Dermal Contact	Direct Contact / Uptake	Food Chain <sup>3</sup>
Deposition of tailings slurry in Swan /	Airborne fugitive dust generated from TSF	Native terrestrial flora	-	-	-	√	-
De Grey IPTSF Dry waste fines (Air quality)	landform	Recreational users, nearby residents <sup>1</sup> , traditional owners, and/or farmers	-	V	-	-	-
Failure of delivery pipeline carrying tailings slurry to Swan / De Grey	Direct discharge of tailings slurry to land and seepage to groundwater	Native terrestrial flora within the vicinity of the pipeline	-	-	-	✓	-
IPTSF (Soil, groundwater, and surface water)		Groundwater dependent ecosystems including subterranean fauna	1	-	-	~	-
(Son, groundwater, and surface water)	Expression of contaminated groundwater to	Aquatic ecosystems <sup>2</sup>	-	-	-	✓	~
	surface water and subsequent migration further downgradient; overland flow to	Native terrestrial fauna <sup>3</sup>	1	-	-	-	1
	surrounding creeks (OB31 Creek and other tributaries) and downstream receiving waters including Jimblebar Creek or Shovelanna Creek	Recreational users	~	-	~	-	-
		Livestock (cattle)	1	-	-	-	~
Decanting supernatant water from tailings in Jimblebar IPTSF	Direct discharge of supernatant water to land and seepage to groundwater	Native terrestrial flora within the vicinity of the pipeline	-	-	-	~	-
Failure of decant water pipeline carrying supernatant water to process		Groundwater dependent ecosystems including subterranean fauna	~	-	-	~	-
water pond	Expression of contaminated groundwater to	Aquatic ecosystems <sup>2</sup>	-	-	-	√	~
(Soil, groundwater, and surface water)	surface water and subsequent migration further downgradient; overland flow to	Native terrestrial fauna <sup>3</sup>	✓	-	-	-	~
(son, groundwater, and surface water)	surrounding creeks (OB31 Creek) and	Recreational users	1	-	✓	-	-
	downstream receiving waters including Jimblebar Creek or Shovelanna Creek	Livestock (cattle)	1	-	-	-	~

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Primary and Secondary Sources	Transport Pathway	Receptors		Exposi	ure Pathw	vays	
(Environmental Media)			Ingestion	Inhalation	Dermal Contact	Direct Contact / Uptake	Food Chain <sup>3</sup>
Deposition of tailings slurry in Swan / De Grey IPTSF	Seepage of IPTSF waters through base and/or pit walls to groundwater	Groundwater dependent ecosystems including subterranean fauna	1	-	-	1	-
Consolidation of tailings slurry and	Expression of groundwater contaminated	Native terrestrial flora	-	-	-	~	-
resulting supernatant water	with IPTSF waters to surface water and subsequent surface water migration	Aquatic ecosystems <sup>2</sup>	-	-	-	~	~
(Crowndwater or downface water)	downstream along natural waterways/	Native terrestrial fauna <sup>3</sup>	~	-	-	-	~
(Groundwater and surface water)	watercourses	Livestock (cattle)	~	-	-	-	~
		Recreational users	✓	-	~	-	-
Piping of tailings affected (via seepage of IPTSF waters) surplus dewatering	Direct discharge of dewatering volumes to Ophthalmia Dam	Groundwater dependent ecosystems including subterranean fauna	~	-	1	1	-
volumes to Ophthalmia Dam <sup>5</sup>		Aquatic ecosystems <sup>2</sup>	~	-	~	1	~
		Drinking water	1	-	-	-	-
Deposition of tailings slurry in Swan /	Flow of supernatant water, and/or tailings	Native terrestrial flora	-	-	-	~	-
De Grey IPTSF Collapse of pit wall / Pit overtopping	over the pit rim Contact with falling debris (soil/rock)	Groundwater dependent ecosystems including subterranean fauna	~	-	-	~	-
conapse of pit wait / I'll overtopping	following collapse of pit wall	Aquatic ecosystems <sup>2</sup>	-	-	-	~	~
(Soil / rock, groundwater, and surface		Native terrestrial fauna <sup>3</sup>	✓	-	-	-	~
water)		Livestock (cattle)	1	-	-	-	~
		Recreational users	~	-	~	-	-

Primary and Secondary Sources	Transport Pathway	Receptors		Exposure Pathways						
(Environmental Media)			Ingestion	Inhalation		Direct Contact / Uptake	Food Chain <sup>3</sup>			
De Grey IPTSF	Entry to TSF containment and subsequent direct contact with or ingestion of waste fines and/or supernatant water	Native terrestrial fauna <sup>3</sup>	×	-	-	~	-			

Nearby residents refers to residents and visitors to the town of Newman, as well as Aboriginal residents and visitors to the Pampajinya and Jigalong Communities. 1)

2) Aquatic ecosystems includes surface waterbodies and watercourses, and their associated aquatic flora and fauna.

3) Native terrestrial fauna includes ground-dwelling mammals, reptiles, and birds.

4) 5) The 'food chain' exposure pathway refers to indirect dietary exposure to PSOI taken up in food items/prey consumed by fauna. Seepage water collected by the dewatering system will be managed as part of BHP's overall water management system and re-used or disposed of (options for management to be considered in the next stage of the study). Seepage-affected groundwater must meet all applicable water quality guidelines and licence discharge criteria prior to being discharged to the receiving environment

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# 5.6 Operations – Consequence analysis (Screening)

The following presents a summary of the screening assessment in relation to operations-related SPR linkages as per Section 4.

## 5.6.1 Tailings Samples

The results of the geochemical testwork of tailings samples, including supernatant water (slurry) samples as described in Section 3.3.3, were assessed. Where detectable concentrations of PSOI were reported, they have been compared to the adopted criteria in the following tables included in Appendix B:

Tailings solids:

- Table B.1 Ecological.
- Table B.2 Livestock.
- Table B.3 Human health (recreational).

The tailings supernatant water (dissolved concentrations):

- Table B.4 – Ecological.

The tailings supernatant water (total concentrations):

- Table B.5 Livestock.
- Table B.6 Human health (recreational).

#### 5.6.2 Exceedances

Exceedances of adopted criteria are detailed below. The concentrations reported for the tailings supernatant water were below the adopted livestock and human health screening criteria.

#### 5.6.2.1 Ecological receptors – screening criteria exceedances

Exceedances of the ecological adopted screening criteria for the tailings solids and supernatant water data and the respective HQs are presented in the following in-text tables.

Table 5.2	Concentrations exceeding adopted screening criteria and calculated Hazard Quotients - Tailings Solids
(mg/kg) & Supe	ernatant Water Data (mg/L) – Ecological Receptors

Analyte	Guideline	Guideline Reference	Tailings Average	e Blend – Blend	Tailings Blend – High Dales		
			Conc.	HQ	Conc.	HQ	
Tailings Solids	(mg/kg)						
Arsenic	20	NEPM (2013) Area of Ecological Significance	17	<1	21.4	1.1	
Copper	25	NEPM (2013) Area of Ecological Significance	32	1.3	39	1.6	
Manganese	220	US EPA EcoSSL	918	4.2	1185	5.4	
Antimony	0.27	US EPA EcoSSL	1	3.7	1	3.7	
Zinc	50	NEPM (2013) Area of Ecological Significance	61.9	1.2	69.3	1.4	

Analyte	Guideline	Guideline Reference	Tailings E Average I		Tailings Blend – High Dales						
			Conc.	HQ	Conc.	HQ					
Tailings Supernatant Water (Dissolved) – Groundwater screening criteria (mg/L)											
Barium	0.01	Jimblebar Groundwater SSTV (Golder , 2015)	0.0897	9.0	0.0937	9.4					
Copper	0.0014	Jimblebar Groundwater SSTV (Golder , 2015)	< 0.0005	N/A	0.0045	3.2					
Tailings Superna	atant Water (Di	issolved) - Surface water screening criteria	a (mg/L)								
Copper	0.0014	(ANZG, 2018) Freshwater 95% toxicant DGV	< 0.0005	N/A	0.0045	3.2					
Zinc	0.008	(ANZG, 2018) Freshwater 95% toxicant DGV	0.002	<1	0.015	1.9					

Notes:

Shading is applied to the HQ based on the following scale: HQ > 5 - 10 = light blue; HQ > 10 = dark blue.

 $\rm N/A-HQ$  not able to be calculated.

#### 5.6.2.2 Livestock – screening criteria exceedances

Exceedances of the adopted livestock screening criteria for the tailings solids and the respective HQs are presented in the following table:

# Table 5.3 Concentrations exceeding adopted screening criteria and calculated Hazard Quotients –

Tailings	Solids	(ma/ka) <b>_</b>	Livestock
i uning5	Condo	(1119/159) -	LIVESTOOK

Analyte	Guideline	Guideline Reference	Average E	Blend	High Dales					
			Conc.	HQ	Conc.	HQ				
Tailings Solids (	Tailings Solids (mg/kg)									
Arsenic	17	CCME SQG	17	<1	21.4	1.3				

#### 5.6.2.3 Human Health – screening criteria exceedances

Exceedances of the adopted human health screening criteria for the tailings solids and the respective HQs are presented in the following table:

Table 5.4	able 5.4 Concentrations exceeding adopted screening criteria and calculated Hazard Quotients – Tailings Solids (%) – Human Health											
Analyte	Guideline	Guideline Reference	Averag	e Blend	High Dales							
			Conc.	HQ	Conc.	HQ						
Tailings Solids (%)												
Iron	22	US EPA Regional Screening Levels for Residential soil	48.4	2.2	48.6	2.2						

#### 5.6.2.4 Pond water quality model outputs

The estimated median and 90<sup>th</sup> percentile (P90) concentrations from the pond water quality modelling for operations (including sensitivity scenarios detailed in Section 3.3.5) are compared to the adopted screening criteria in the following tables included in Appendix B:

- Table B.7 Ecological.
- Table B.8 Livestock.
- Table B.9 Human health (recreational).

For pH the screening criteria are a range, and therefore, minimum results may also be relevant for assessment. An initial acidic pulse is expected in the De Grey (Base Case), resulting from run off from exposed potentially acid forming (PAF) Mt McRae Shale and is predicted to be present for approximately the first few months (until the PAF material is covered by tailings). The pH is predicted to stabilise for mildly alkaline conditions during subsequent fills. No initial acidic pulse is expected from Swan.

Median and 90<sup>th</sup> percentile results (and predictions post the initial year of tailing deposition) for pH are within the adopted screening criteria.

Calculations for the below HQs are presented in Appendix C:

- Table C.1 Ecological Groundwater screening criteria.
- Table C.2 Ecological Surface water screening criteria.
- Table C.3 Livestock.
- Table C.4 Human Health.

A summary of HQs greater than 5 are presented in the below in-text tables. As noted in **Section 4.2** a HQ value greater than one indicates the exposure concentration for that chemical or stressor is greater than the screening level; however this screening assessment against a screening guideline allows for maximum exposure time in the reported concentration, i.e., it does not account for shorter exposure times than used when deriving the screening levels. In many of the scenarios, the exposure durations will be low and intermittent, in many cases expected to be <20% of the possible exposure duration and hence there would be a 20% lower exposure concentration.

Given the screening criteria are overly conservative in relation to risk of adverse effects, as well as assuming high exposure durations (e.g., exposure every day for a lifetime), this assessment has adopted a HQ of five (5) to be used as the trigger for further evaluation of the potential for risk to a specific receptor or receptors in the site-specific setting.

Table 5.5 De Grey Filling Periods: Ecological Hazard Quotients Greater than 5 with Regards to the Adopted Groundwater GDEs.

Analyte		Guideline	Base Case - Filling periods				High Seepage - Filling periods				Climate Change - Filling periods			
	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
Al	Jimblebar Groundwater SSTV (Golder, 2015)	0.055	-	-	0.858	16	-	-	0.520	9	-	-	1.167	21
D	Jimblebar Groundwater SSTV (Golder, 2015)	0.01	0.15	15	0.28	28	0.15	15	0.24	24	0.15	15	0.25	25
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.029	-	-	0.28	10	-	-	0.24	8	-	-	0.25	9
Co	Jimblebar Groundwater SSTV (Golder, 2015)	0.001	-	-	-	-	-	-	-	-	-	-	0.006	7
Cu	Jimblebar Groundwater (Golder , 2015)	0.0014	-	-	0.0079	6	-	-	-	-	-	-	0.009	7

Notes: <sup>1</sup>Not Formally adopted Shading is applied to the HQ based on the following scale: HQ >5 - 10 = light blue; HQ >10 = dark blue N/A – HQ not able to be calculated.

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Table 5.6	De Grey Fallow Periods: Ecological Hazard Quotients Greater than 5 with Regards to the Adopted Groundwater GDEs.
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Analyte	Guideline Reference	Guideline	Bas	e Case ·	- Fallow peri	ods	High	Seepage	- Fallow per	iods	Climate Change - Fallow periods			
		(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	Jimblebar Groundwater SSTV (Golder , 2015)	430	-	-	19,565	45	8,585	20	28,009	65	5,514	13	16,420	38
Al	Jimblebar Groundwater SSTV (Golder, 2015)	0.055	-	-	1.074	19	0.481	9	1.302	24	0.430	8	0.835	15
В	Jimblebar Groundwater SSTV (Golder , 2015)	0.37	-	-	2.85	8	-	-	3.6	10	-	-	2.40	6
Ba	Jimblebar Groundwater SSTV (Golder, 2015)	0.01	0.12	11	4.84	484	1.94	194	6.19	619	1.23	123	4.08	408
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.029	-	-	4.84	167	1.94	67	6.19	213	1.23	42	4.08	140
Мо	Jimblebar Groundwater SSTV (Golder , 2015)	0.001	-	-	0.055	55	0.020	20	0.061	61	0.014	14	0.045	45
Zn	Jimblebar Groundwater SSTV (Golder, 2015)	0.024	-	-	0.518	21	0.262	10	0.717	29	0.151	7	0.424	18
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.054	-	-	0.518	9	0.262	18	0.717	13	-	-	0.424	8

Notes: 1Not Formally adopted

In addition, sulphate (SO4) exceeded the adopted trigger value of 88 mg/L, which was adopted based on the measured P90 value for SO4 in groundwater data from OB31. There is no formal screening level for sulphate. The HQ was greater than 5 for average and P90 values for all scenarios in De Grey Fallow Periods, with HQ >10 for P90, with a maximum of HQ=30 in the High Scepage scenario. These exceedances were not considered a significant risk and were not included in Table 5.6.

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Table 5.7 Swan Filling Periods: Ecological Hazard Quotients Greater than 5 with Regards to the Adopted Groundwater GDEs.

		Guideline		e Case	- Filling perio	ods	High	Seepage	- Filling per	iods	Climate	e Chang	e - Filling pe	riods
Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
Ва	Jimblebar Groundwater SSTV (Golder , 2015)	0.01	0.22	22	0.32	32	0.21	21	0.31	31	0.21	21	0.31	31
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.029	0.22	7	0.32	11	0.21	7	0.31	11	0.21	7	0.31	11

Table 5.8 Swan Fallow Periods: Ecological Hazard Quotients Greater than 5 with Regards to the Adopted Groundwater GDEs.

		Guideline		se Case -	Fallow perio	ods	High S	Seepage	- Fallow per	iods	Climate	e Chang	e - Fallow pe	eriods
Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	Jimblebar Groundwater SSTV (Golder , 2015)	430	3704	9	9683	23	4551	11	10768	25	3521	8	9831	23
Ва	Jimblebar Groundwater SSTV (Golder , 2015)	0.01	0.80	80	2.10	210	0.99	100	2.38	238	0.76	76	2.13	213
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.029	0.80	28	2.10	72	0.99	34	2.38	82	0.76	26	2.13	73
Мо	Jimblebar Groundwater SSTV (Golder , 2015)	0.001	0.007	7	0.016	16	0.008	8	0.019	19	0.006	6	0.017	16
Zn	Jimblebar Groundwater SSTV (Golder , 2015)	0.024	0.141	6	0.322	13	0.170	7	0.380	16	0.134	6	0.310	13
	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) <sup>1</sup>	0.054	-	-	0.322	6	-	-	0.380	7	-	-	0.310	6

Note: Sulphate (SO4) exceeded the adopted trigger value of 88 mg/L (based on the measured P90 value for SO4 in groundwater data from OB31, as there is no formal screening level for sulphate). The HQ was greater than 5 for P90 values only, for all scenarios in Swan Fallow Periods, with HQ = 10-11 (maximum in the High Seepage scenario). These exceedances were not considered a significant risk and were not included in Table 5.8.

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		Guideline	Bas	se Case	- Filling peri	iods	High	Seepage	- Filling peri	iods	Climat	e Chang	e - Filling pe	riods
Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	60	1011	17	1802	30	1012	17	1798	30	1006	17	1584	26
Al	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	0.055	-	-	0.858	16	-	-	0.520	9	-	-	1.168	21
Cu	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	0.0014	-	-	0.008	6	-	-	-	-	-	-	0.009	7
Zn	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	0.008	-	-	0.060	7	-	-	0.060	8	-	-	0.063	8

 Table 5.9
 De Grey Filling Periods: Ecological Hazard Quotients Results Greater than 5 with Regards to the Adopted Surface Water Guidelines.

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		Guideline	Base	e Case	- Fallow peri	ods	High S	Seepage -	Fallow perio	ds	Climate	Change -	Fallow perio	ods
Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	60	763	13	19565	326	8585	143	28009	467	5514	92	16420	274
Al	95% species protection - freshwater ecosystems (ANZG, 2018)	0.055	-	-	1.074	19	0.481	8	1.302	24	0.430	8	0.835	15
Total Nitrogen	(ARMCANZ and ANZECC, 2000) Default trigger values for Wetlands	1.15	-	-	-	-	-	-	6.33	5	-	-	-	-
Tl	95% species protection - freshwater ecosystems (ANZG, 2018)	0.00003	-	-	0.00017	6	-	-	0.00020	7	-	-	0.00015	5
U	95% species protection - freshwater ecosystems (ANZG, 2018)	0.0005	-	-	0.0067	13	0.0025	5	0.0071	14	-	-	0.0054	11
Zn	95% species protection - freshwater ecosystems (ANZG, 2018)	0.008	-	-	0.52	65	0.26	33	0.72	90	0.16	20	0.42	53

Table 5.10 De Grey Fallow Periods: Ecological Hazard Quotients Results Greater than 5 with Regards to the Adopted Surface Water Guidelines.

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Table 5.11 Swan Filling Periods: Ecological Hazard Quotients Results Greater than 5 with Regards to the Adopted Surface Water Guidelines.

		Guideline	Bas	e Case -	Filling perio	ds	High	Seepage	- Filling per	iods	Clim	ate Change	- Filling per	iods
Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	95% species protection - freshwater ecosystems (ANZG, 2018)	60	1209	20	1588	26	1228	20	1698	28	1172	20	1568	26
Zn	95% species protection - freshwater ecosystems (ANZG, 2018)	0.008	-	-	0.054	7	-	-	0.057	7	-	-	0.05	6

Table 5.12 Swan Fallow Periods: Ecological Hazard Quotients Results Greater than 5 with Regards to the Adopted Surface Water Guidelines.

Anal	Analyta	Cuideline Reference	Guideline	Bas	e Case - I	Fallow perio	ds	High S	eepage	- Fallow per	iods	Clim	ate Change	- Fallow peri	ods
	Analyte	Guideline Reference	(mg/L)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
		95% species protection - freshwater ecosystems (ANZG, 2018)	60	4,419	74	11,330	189	4,461	74	10,800	180	3704	62	9,692	162
	Zn	95% species protection guideline values for freshwater ecosystems (ANZG, 2018)	0.008	0.141	17	0.322	40	0.170	21	0.380	47	0.134	17	0.310	39

Table 5.13 De Grey: Livestock Hazard Quotients Greater than 5 with Regards to the Adopted Livestock Drinking Water Trigger Values.

Analyte	Guideline Reference	Guideline	Filling perio Base Cas		Filling perio High Seepa		Filling perio				Fallo	•	eriods - High epage		Fallov	•	iods - Climat nange	te
		(mg/L)	90th %ile	HQ	90th %ile	HQ	90th %ile	HQ	90th %ile	HQ	Average	HQ	90th %ile	HQ	Average	HQ	90th %ile	HQ
TDS	ANZECC 2000 Livestock Drinking Water Trigger Value (low risk)	4,000	-	-	-	-	-	-	-	-	-	-	28,009	7	-	-	-	-
F	ANZECC 2000 Livestock Drinking Water Trigger Value (low risk)	2	-	-	11	5	-	-	11	5	-	-	11	5	-	-	15	8

Table 5.14 Swan: Livestock Hazard Quotients Greater than 5 with Regards to the Adopted Livestock Drinking Water Trigger Values.

		0.11	Base Cas	e - Fallow periods	High Seepage – Fallow periods	Climate Ch	ange - Fallow periods	
-	Guideline Reference	Guideline (mg/L)	90th Percentile	HQ	90th Percentile	HQ	90th Percentile	HQ
F	ANZECC 2000 Livestock Drinking Water Trigger Value (low risk)	2	13	7	13	7	13	7

Analyt	Cuidalina Bafaranaa	Guideline	Base Case -	Filling periods	High Seepage – F	illing periods	Climate Change - Filling	g periods
Anaryu	e Guideline Reference	(mg/L)	90th Percentile	HQ	90th Percentile	HQ	90th Percentile	HQ
Al	ADWG Aesthetics (2011, updated 2022)	0.2	-	-	-	-	1.167	6
F	ADWG Health (2011, updated 2022)	1.5	10.6	7	10.6	7	10.5	7

Table 5.16 De Grey- Fallow Periods: Human Health Hazard Quotients Greater than 5 with Regards to the Drinking Water Guidelines.

Amalasta	Ouidalina Deference		Base Case - Fallow pe	riods	High Se	epa	ge – Fallow perio	ods	Climate	Char	nge - Fallow peri	ods
Analyte	Guideline Reference	Guideline (mg/L)	90th Percentile	HQ	Average	НQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	ADWG Health (2011, updated 2022)	600	19,565	33	8,392	14	28,002	47	5,515	9	16,415	27
Na	ADWG Health (2011, updated 2022)	180	6,188	34	2,532	14	8,561	48	1,609	9	5,192	29
Cl	ADWG Aesthetics (2011, updated 2022)	250	9,600	38	3,936	16	13,323	53	2,499	10	8,049	32
SO4	ADWG Aesthetics (2011, updated 2022)	250	1,919	8	-	-	2709	11	-	-	1618	6
Al	ADWG Aesthetics (2011, updated 2022)	-	1.07	5	-	-	1.3	6	-	-	-	-
F	ADWG Health (2011, updated 2022)	1.5	15.4	10	13.4	9	17.1	11	12.1	8	14.6	10
Mn	ADWG Aesthetics (2011, updated 2022)	0.1	0.5	6	-	-	0.7	7	-	-	-	-
Se	ADWG Health (2011, updated 2022)	0.01	-	-	-	-	0.05	5	-	-	-	-

Swan- Filling Periods: Human Health Hazard Quotients Greater than 5 with Regards to the Drinking Water Guidelines. Table 5.17

,	Analyte	Guideline (mg/L)	Base Case - Filling peri	ods	High Seepage – Filling p	eriods
	Guideline Reference		90th Percentile	HQ	90th Percentile	HQ
ł	ADWG Health (2011, updated 2022)	1.5	8.0	5	9.9	7

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Table 5.18	Swan- Fallow Periods: Human Health Hazard Quotients Greater than 5 with Regards to the Drinking Water Guidelines.
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Analyte	Guideline Reference	Guideline	Base Case - Fallow periods			High Seepage – Fallow periods				Climate Change - Fallow periods				
		(mm/l)	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ	Average	HQ	90th Percentile	HQ
TDS	ADWG Health (2011, updated 2022)	600	3704	6	9683	16	4551	8	10768	18	3521	6	9831	16
Na	ADWG Health (2011, updated 2022)	180	1063	6	2958	16	1333	7	3306	18	1005	6	3005	17
Cl	ADWG Aesthetics (2011, updated 2022)	250	1653	7	4606	18	2074	8	5145	21	1562	6	4680	19
F	ADWG Health (2011, updated 2022)	1.5	8.05	5	13.14	9	8.36	5	13.46	9	7.95	5	13.11	9

Screening the Swan and De Grey IPTSF water quality is a conservative assessment of PSOI for several of the release scenarios where attenuation along the flow path is expected (except for the exposure pathways of a leak in pipelines used for tailings placement, dewatering, or decanting or direct contact of receptors with pond water).

Note that screening the groundwater concentrations against the BHP SSTVs for groundwater (from Hydro Geochem 2023) indicates a lower HQ and hence lower risk, compared with the Golder 2015 SSTVs. The BHP SSTVs are based on more recent background groundwater monitoring data showing higher background levels of some analytes, assumed to be naturally occurring; these SSTVs have not yet been formally approved for use.

Modelling to estimate concentrations in downgradient groundwater receiving environments is discussed in Section 5.6.3 assumptions made.

# 5.6.3 Downstream Seepage Water Quality Assessment

A downstream seepage water quality assessment was conducted to predict, at a high level, the composition of seepageimpacted dewatering water abstracted from OB31 (WSP, 2024h). The water quality modelling concept is tailored based on the regional flow and dilution assessment, which estimated the proportion of seepage from the De Grey and Swan IPTSFs that would reach the OB31 dewatering borefield (i.e. the dilution estimate).

For the downstream water quality assessment, the following were considered:

- 'At-source' seepage compositions for De Grey and Swan pits were developed, mixing the 'pond water' and 'entrained tailings water' in the proportion they outflow each pit. This proportion was determined by the combination of water balance and groundwater models outputs:
  - Overall seepage rates at the De Grey and Swan IPTSFs were estimated using three-dimensional (3D) FEFLOW models ( (WSP, 2024f) Aconex: 7731-A-85248-VD-00042).
  - Decant pond seepage was estimated using the water balance model (WBM) generated in GoldSim Version 14 (WSP, 2024b) (Aconex: 7731-A-85248-VD-00018).
  - Retained water within the underlying tailing material that gradually seeps out of the De Grey and Swan pits were obtained subtracting the decant pond seepage from the overall seepage rates (on a monthly basis)
- 'At-source' seepage and natural groundwater are then mixed in the proportion indicated by the dilution assessment (i.e., dilution factors). This approach assumes that the entire seepage volume and solutes concentrations reach OB31 without any changes. Processes like dispersion, diffusion, or attenuation within the aquifer are not accounted for.
- The source terms representing inflow water quality at OB31 were defined as follows:
  - Natural groundwater reaching OB31 is represented by average quality monitoring data from bores screened around the pit.
  - Seepage outflow from the De Grey and Swan decant ponds is represented by the results of the water quality model, considering the mixed control scenario for the base case, high seepage, and climate change scenarios (WSP, 2024e) (Aconex: 7731-A-85248-VD-00019).
  - Entrained (saturated) water was derived from tailings composite samples selected by BHP ('High P2,' 'Plant Blend,' and 'High Joffre'), based on geochemical testwork, and aligned with the tailings deposition plan (WSP, 2024c) (Aconex: 7731-A-85248-VD-00004).

It is important to mention, that despite the use of the term 'dilution,' this concept may be misleading, as natural groundwater already contains a base case chemical load. Therefore, the 'dilution factors' should be interpreted as mixing coefficients. Note that no proper transport modelling was conducted in this assessment.

In line with the pond water quality modelling, three sensitivity scenarios were modelled including the base case, highest seepage and climate change scenarios. Downstream water quality modelling data is presented in Table B.10 in Appendix B.

Overall results show that two PSOIs exceeded one or more of the adopted screening levels - Barium and Total Dissolved Solids (TDS). Barium exceeded both the Jimblebar Groundwater SSTVs (Golder , 2015) and BHP Shovelanna SSTVs (Hydro Geochem Group, 2023) (not formally adopted). Natural groundwater has been found to have elevated dissolved Ba concentrations present (WSP, 2024f) and as such these exceedances are likely be more representative of the natural conditions and do not indicate significant additional risk.

Total dissolved solids (TDS) are modelled below both SSTVs for all scenarios and indicate no additional risk to ecological receptors.

In terms of human health, no health effects are directly attributable to TDS and the Australian Drinking Water Guidelines are based on aesthetics and palatability; the TDS exceedances in each modelled scenario are generally in the range of 'fair' drinking water quality in relation to the guidelines.

In addition, alkalinity was slightly above the ADWG level (maximum of 211 mg/L CaCO3, compared with ADWG of 200 mg/L); this is not related to health effects<sup>13</sup> and the exceedance is not considered significant (being <1% of the guideline value).

Hazard quotients (HQ) were calculated for each PSOI and are detailed in Table C.5 in Appendix C. One HQ > 5 was calculated for Barium based on the Non-Climate Change Scenario (NCCS) highest seepage, during later stages (i.e. sustained seepage period). As described above, this is considered to be a product of naturally elevated dissolved Barium within groundwater.

### 5.6.4 Summary of Operations PSOI

Based on the screening process, the analytes presented in Table 5.19 have been identified as PSOI associated with operation of the Swan and De Grey IPTSF (i.e., the P90 concentration exceeded at least one of the adopted screening levels).

The PSOIs have been identified through screening of available analytical data or modelled/predicted concentrations against generic screening criteria for several receptor scenarios. The next section of the report outlines the transport and exposure pathways by which contamination could potentially reach humans and/or ecological receptors. The risk assessment then describes the likelihood of contamination reaching humans and/or ecological receptors.

<sup>&</sup>lt;sup>13</sup> Total hardness above 200 mg/L may lead to excessive scaling of pipes and fittings, and cause blockage of safety relief valves in hot water systems. Soft water may lead to greater corrosion of pipes, depending on other factors such as pH and dissolved oxygen content. Total hardness in major Australian reticulated supplies ranges between ~5 mg/L - 380 mg/L.

#### Table 5.19 Summary of PSOIs identified for different receptor scenarios during Operations

Data available	Receptor Scenarios	PSOIs Identified
Tailings solids analytical	Native terrestrial flora and fauna	<ul> <li>Potential for direct toxicity effects to native flora and fauna from antimony, arsenic, copper,</li> </ul>
results	Recreational users <sup>3</sup>	manganese, and zinc.  Potential for direct toxicity effects to recreational users from iron.
	Livestock (cattle) <sup>3</sup>	<ul> <li>Potential for direct toxicity effects to recreational users from inon.</li> <li>Potential for direct toxicity effects to livestock from arsenic (minor exceedance).</li> </ul>
Tailings supernatant	Groundwater dependent ecosystems, including	<ul> <li>Potential for direct toxicity effects to investock from assence (minor exceedance).</li> <li>Potential for direct toxicity effects to groundwater ecosystems from barium and copper.</li> </ul>
analytical results	subterranean fauna	- Potential for direct toxicity effects to groundwater ecosystems from bartum and copper.
unarj titur rebuits	Aquatic ecosystems <sup>1</sup>	<ul> <li>Potential for direct toxicity effects to surface water ecosystems from copper and zinc.</li> </ul>
	Recreational users <sup>3</sup>	<ul> <li>Concentrations below the adopted screening criteria.</li> </ul>
	Livestock (cattle) <sup>3</sup>	<ul> <li>Concentrations below the adopted screening criteria.</li> </ul>
Pond water quality predictions	Groundwater dependent ecosystems including subterranean fauna	<ul> <li>De Grey</li> <li>Potential for direct toxicity effects to groundwater ecosystems from TDS, aluminium, antimony, arsenic, boron, barium, molybdenum, lead, selenium, and zinc. It is noted that water quality modelling during fallow periods show the majority of exceedances.</li> <li>Potential for direct toxicity effects from nutrients (nitrate) and indirect effects from increased nutrient inputs (i.e., nitrogen) such as oxygen depletion.</li> <li>Swan</li> <li>Potential for direct toxicity effects to groundwater ecosystems from TDS, arsenic, boron, barium, molybdenum and zinc. It is noted that water quality modelling during fallow periods show the majority of exceedances.</li> <li>Potential for direct toxicity effects to groundwater ecosystems from TDS, arsenic, boron, barium, molybdenum and zinc. It is noted that water quality modelling during fallow periods show the majority of exceedances.</li> <li>Potential for direct toxicity effects from nutrients (nitrate) and indirect effects from increased nutrient inputs (i.e., nitrogen) such as oxygen depletion</li> </ul>
	Aquatic ecosystems <sup>1</sup> and native terrestrial flora and fauna <sup>2</sup> Livestock (cattle) <sup>3</sup>	<ul> <li>De Grey</li> <li>Potential for direct toxicity effects to surface water ecosystems from TDS, Aluminium, Arsenic, Boron, Selenium Thallium, Uranium and Zinc. It is noted that water quality modelling during fallow periods show the majority of exceedances.</li> <li>Potential for direct toxicity effects from nutrients (total nitrogen and nitrate) and indirect effects from increased nutrient inputs (i.e., nitrogen) to watercourses such as harmful algal blooms (HAB) Swan</li> <li>Potential for direct toxicity effects to surface water ecosystems from TDS, Arsenic and Zinc.</li> <li>De Grey</li> </ul>
		<ul> <li>Potential for direct toxicity effects to livestock from TDS and Fluoride.</li> <li>Swan</li> <li>Potential for direct toxicity effects to livestock from Fluoride.</li> </ul>

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Data available	Receptor Scenarios	PSOIs Identified
	Recreational users <sup>3</sup>	<ul> <li>De Grey         <ul> <li>Potential for direct toxicity from fluoride and nickel.</li> <li>Potential for aesthetic taste or discolouration (chloride, iron, manganese, sodium, sulphate and TDS).</li> </ul> </li> <li>Swan         <ul> <li>Potential for direct toxicity from antimony, arsenic, fluoride, lead, nickel and selenium.</li> <li>Potential for aesthetic taste or discolouration (chloride, iron, manganese, sodium, sulphate and TDS).</li> </ul> </li> <li>De Grey         <ul> <li>Potential for direct toxicity from Sodium, Arsenic, Fluoride, Manganese and Selenium. It is noted that water quality modelling during fallow periods show the majority of exceedances.</li> <li>Potential for aesthetic taste or discolouration (chloride, sulphate and TDS), scaling problems (alkalinity).</li> </ul> </li> <li>Swan         <ul> <li>Potential for direct toxicity from, Arsenic, Sodium and TDS. Its noted that only Fluoride shows direct toxicity effects during filling periods.</li> <li>Potential for aesthetic taste or discolouration (chloride and Sulphate)</li> </ul> </li> </ul>
Downstream and dilution predictions at OB31 dewatering	Groundwater dependent ecosystems including subterranean fauna Aquatic ecosystems <sup>1</sup> Native terrestrial flora and fauna <sup>2</sup>	<ul> <li>Downstream water quality modelling results suggest that concentrations of PSOIs in groundwater are <i>likely</i> to attenuate resulting in reduced concentrations. Barium and TDS exceed the adopted ecological screening criteria at the OB31 dewatering system</li> </ul>

Notes: 1)

Aquatic ecosystems includes surface waterbodies and watercourses, and their associated aquatic flora and fauna. Native terrestrial fauna includes ground-dwelling mammals, reptiles, and birds.

2)

3) No direct exposure pathway between receptors and the pond water, but this data is considered in the context of a potential failure of the tailings delivery pipeline or decant water pipeline (refer Table 5.1).

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# 5.7 Operations – Likelihood & Risk Assessment

An assessment of risk for the complete SPR linkages associated with the operational phase of the Swan and De Grey IPTSF (Figure 5.1) are presented in Appendix F. The SPR linkages identified along with proposed mitigation strategies and controls, are based on the sources described in Section 5.2, the pathways described in Section 5.3, and the receptors considered in Section 5.4. The risk ratings, assigned to each SPR linkage are based on the DWER guidelines (DWER, 2020) presented in Section 4. Appendix F provides the rationale for these ratings considering mitigation and controls that may be put in place, as well as making recommendations for additional work that may be required.

#### Table 5.20 Summary Operational Phase Risk Ratings for Jimblebar In-pit Tailings Storage Facilities

	Risk Event					Risk Assessment			
Primary and Secondary Sources (and Affected or Impacted Environmental Media)	Transport Pathway	Receptors	Potential Impacts	Consequence	Likelihood	Risk Rating			
Deposition of tailings slurry in Swan / De Grey IPTSF Dry waste fines (Air quality)	Fugitive dust generated from TSF landform	Native terrestrial flora	Reduction in photosynthesis, respiration, and transpiration due to dust deposition	Slight	Possible	Low			
		Nearby residents, traditional owners, and/or farmers. Recreational users of Ophthalmia Dam (limited exposure) <sup>1</sup>	Acute and chronic adverse health effects and amenity.	Minor	Rare	Low			
Failure of delivery pipeline carrying tailings slurry to Swan, De Grey IPTSF (Soil, groundwater, and surface water)	Direct discharge of tailings slurry to land and seepage to groundwater	Native terrestrial flora within the vicinity of the pipeline including riparian vegetation communities	Reduced soil and/or groundwater quality resulting in localised, short-term decline in floristic health	Slight	Unlikely	Low			
		Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	Minor	Rare	Low			
	Expression of contaminated groundwater to surface water and subsequent migration further downgradient; overland flow to	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low			
	surrounding creeks (OB31 Creek and other tributaries) and downstream receiving waters including Shovelanna Creek	Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna	Minor	Rare	Low			
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low			

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	Risk Event					
Primary and Secondary Sources (and Affected or Impacted Environmental Media)	Transport Pathway	Receptors	Potential Impacts	Consequence	Likelihood	Risk Rating
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek and downgradient receiving waters	Slight	Rare	Low
Decanting supernatant water from tailings in Swan, De Grey IPTSF Failure of decant water pipeline carrying supernatant water to process water pond(Soil, groundwater, and surface water)	Direct discharge of supernatant water to land and seepage to groundwater	Native terrestrial flora within the vicinity of the pipeline	Soil and/or groundwater contamination resulting in localised, short-term decline in floristic health	Slight	Possible	Low
		Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	Minor	Rare	Low
	Expression of contaminated groundwater to surface water and subsequent migration further downerediant: overland flow to	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low
	downgradient; overland flow to surrounding creeks (OB31 Creek and other tributaries) and downstream receiving waters including Shovelanna Creek	Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna	Minor	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Minor	Rare	Low
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek and associated creeks	Minor	Rare	Low
		Drinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source	Minor	Rare	Low

	Risk Event					
Primary and Secondary Sources (and Affected or Impacted Environmental Media)	Transport Pathway	Receptors	Potential Impacts	Consequence	Likelihood	Risk Rating
Deposition of tailings slurry in Swan / De Grey IPTSF Consolidation of tailings slurry and resulting supernatant water	Seepage of IPTSF waters through base and/or pit walls to groundwater	Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Degradation of groundwater near Swan / De Grey IPTSF	Minor	Unlikely	Medium
(Groundwater and surface water)	Expression of groundwater contaminated with IPTSF waters to surface water and subsequent surface water migration downstream along natural waterways/ watercourses Expression of groundwater	Native terrestrial flora including riparian vegetation communities	Localised, short-term decline in floristic health due to raised water tables, uptake of contaminated shallow groundwater or surface water, and/or increased salts in surface soils due to evapo-concentration	Minor	Rare	Low
	contaminated with IPTSF waters to OB31 dewatering system	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and quantity and associated effects to aquatic ecosystems and the hydro cycle	Minor	Rare	Low
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source	Minor	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek other nearby watercourses and waterbodies	Slight	Rare	Low
		Drinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
Deposition of tailings slurry Swan / De Grey IPTSF Pit overtopping (Soil, groundwater, and surface water)	Flow of supernatant water over the pit rim <sup>4</sup>	Native terrestrial flora including riparian vegetation communities	Potential soil erosion and physical damage to vegetation from overland flow and/or floodingSoil and/or groundwater contamination resulting in decline in floristic health	Minor	Rare	Low
		Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	Minor	Rare	Low
		Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low

	Risk Event					
Primary and Secondary Sources (and Affected or Impacted Environmental Media)	Transport Pathway	Receptors	Potential Impacts	Consequence	Likelihood	Risk Rating
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
		Recreational users	Adverse impacts to human health from recreational use of Ophthalmia Dam, or other nearby watercourses	Minor	Rare	Low
Deposition of tailings slurry in Swan and De Grey IPTSF Consolidation of tailings slurry and resulting supernatant water (Waste fines and supernatant water inside Swan and De Grey IPTSF containment)	Entry to TSF containment and subsequent direct contact with or ingestion of waste fines and/or supernatant water	Native terrestrial fauna <sup>3</sup>	Acute or chronic effects on health Entrapment in soft fines	Minor	Possible	Medium
Deposition of tailings slurry in Swan and De Grey IPTSF Collapse of pit wall (Soil/rock)	Overland flow of debris and subsequent displacement of tailings and subsequent overland flow to downgradient receiving environments following pit wall collapse	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems Destruction of habitat	Minor	Rare	Low
		Native terrestrial flora and fauna <sup>3</sup>	Smothering and/or entrapment of receptors Destruction of habitat	Minor	Rare	Low

Notes:

 Nearby residents refers to residents and visitors to the town of Newman, as well as Aboriginal residents and visitors to the Parapajinya and Jigalong Communities.
 Aquatic eccosystems includes surface waterbodies and watercourses, and their associated aquatic flora and fauna.
 Native terrestrial fauna includes ground-dwelling mammals, reptiles, and birds.
 Pit overtopping may occur as a result of an extrem storm event, collapse of pit vall (if a supernature pod is present in the TSF), or human failure. AEP = annual exceedance probability; DMIRS = Department of Mines, Industry Regulation and Safety; ANCOLD = Australian National Committee on Large Dams.

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# 6 Closure Conceptual Exposure Model

# 6.1 Overview

The DPS is intended to refine the assessments completed in the SPS to support various environmental and economic aspects. In addition, the DPS scope involves the selection and design of the closure Preferred Investment Alternative (PIA) with a set of design elements. Within the DPS scope, WSP prepared and issued the DPS — IPTSF Closure Strategy (WSP, 2024j) report that consolidates the assessment, selection, and design of the PIA. The process encompassed the development of closure concepts with sufficient engineering detail supporting the risk-based Multicriteria Assessment (MCA). The closure strategies assessed for validation of the PIA during the DPS phase were as follows:

- Option 1 Optimised Without (OWO) No closure activities implemented other than monitoring of the IPTSF as left follow the completion of operations.
- Option 2 Partial Backfill Tailings surface covered follow the completion of operations resulting in only Partial Backfill of the IPTSF (not water shedding).
- Option 3 Full Backfill Refinement and updates required for the strategy defined as part of the SPS phase.

Option 2 Partial Backfill was identified as the PIA for the IPTSF Closure Strategy via the MCA process. As such, the Partial Backfill closure option and associated information has been used to undertake this Closure CEM. The Partial Backfill closure characteristics is summarised in Section 6.1.1.

A CSM diagram has been generated to visually represent the potential SPR linkages associated with closure of the Swan and De Grey IPTSFs (Figure 6.1). The Closure CEM has drawn on the Operations CEM, while considering key differences in the environmental setting and characteristics of the IPTSFs at closure compared to operations.

While the final land use at closure has not been confirmed, based on current information and for the purpose of the CEM, it is considered to be native ecosystems and potentially some limited grazing. Note that the stability of any pit voids and post-closure rehabilitation measures such as revegetation over tailings would need to be considered and assessed to ascertain suitability for grazing.

The sources (Section 6.1.2), pathways (Section 6.3), and receptors (Section 6.4) are described in the following subsections. This is followed by Table 6.2 which presents the SPR linkages associated with closure phase of the IPTSF. Table 6.2 also includes the risk ratings assigned to each SPR linkage, including the rationale for these ratings considering mitigation and controls that may be put in place, as well as making recommendations for additional work that may be required.

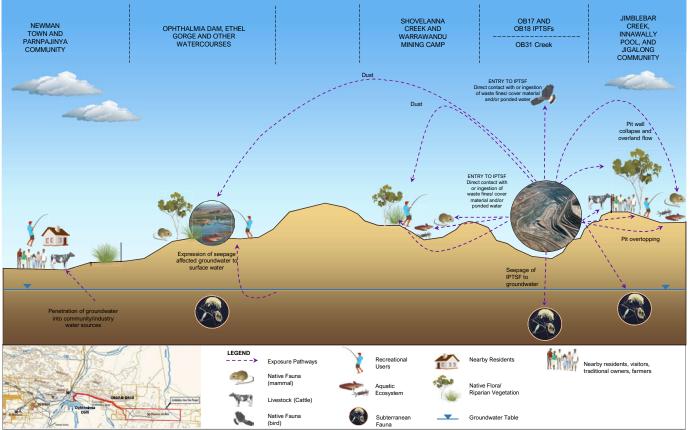


Figure 6.1: Conceptual Site Model (CSM) Diagram Depicting Source-Pathway-Receptor (SPR) Linkages Associated with Swan and De Grey IPTSF Closure

# 6.1.1 Closure Option - Partial Backfill

Partial Backfill closure considers that the tailings surface would be covered after the end of operations resulting in only partial backfill of the IPTSF (not complete backfill and not water shedding). In addition, a cover would be placed over exposed PAF material in the pit walls. Final cover will result in a backfilled surface at a minimum level of 5 m above the post-mining recovered water table, as currently committed in the Mine Closure Plan. This includes:

- Consolidation rate <1m/yr for the tallest tailing column will be reached in 2086 for De Grey and 2072 for Swan.
- A minimum of 5m thick at the perimeter, falling to the centre of the pit at a 12% uniform gradient. This will result in a maximum cover thickness of 26m in De Grey and 20m in Swan.
- A cover constructed of material sourced from within a 5 10 km haul, potentially within 2 km from the East OSA, will be placed across the tailings surface (assumes benign backfill).
- Adjacent catchments as per landforms at the end of operations.
- In-pit ponding conditions could be very oscillating post-consolidation, with intermittent shallow ponding potentially
  occurring after rainfall events.

## 6.1.2 Hydrogeology

The pre-mining conceptualisation (BHP, 2022) of the hydrogeological setting between Ethel Gorge and OB31 is described in Section 5.

The current groundwater scenario has dewatering operations at OB31 maintaining groundwater levels at Swan Pit below the pit floor and drawing groundwater at the Swan Pit to the east. This situation is likely to continue until some time after dewatering at OB31 ceases, currently scheduled for 2055. The De Grey Pit, however, is not hydraulically connected to OB31 and is not currently responding to dewatering at OB31; if any future seepage does leave De Grey and flow into the regional aquifer system, it too is expected to flow towards OB31 during this time.

At the Swan Pit, the rate of groundwater recovery following dewatering cessation is uncertain and will rely on post-IPTSF-closure water management in the groundwater catchment as well as short and long term rainfall events and recharge conditions. The time taken to reach equilibrium will be measured in hundreds of years. At this stage, the closure strategy for OB31 is unknown and whether the pit is left to form a pit lake (i.e., a regional groundwater sink) or partially or fully backfilled, will affect the rate and magnitude of groundwater level recovery at OB31.

At this stage it is assumed that groundwater level at the Swan Pit following cessation of dewatering at OB31 will return to the pre-mining level of approximately 500 m AHD, and predominantly westerly groundwater flow directions will reestablish (Figure 6.1). No known Groundwater Dependant Ecosystems (GDE's) are located along the westerly premining flow path from Swan and De Grey Pits. The groundwater flow path will swing to the north at Ethel Gorge and likely bypass the Ethel Gorge TEC due to higher groundwater levels in the TEC. Available information indicates that there is little potential for seepage water from Swan or OB31 to enter Ethel Gorge TEC (BHP, 2022).

# 6.2 Potential Contamination Sources and Stressors

There will be different stages during closure – including consolidation, landform management/reinstatement such as capping and vegetation, post-consolidation and on-going management – which will all have some differences in the environmental fate and transport activities and hence contamination sources. There will be different hazards during the different closure timeframes, for example, supernatant water may be a source hazard during consolidation, but not during long-term closure, i.e., after final landform has been developed.

However the exact nature and duration of these stages and associated environmental fate & transport is unknown, based on available data, so they have not been differentiated in the risk assessment at this stage.

Based on the available environmental data, the main sources of potential contamination associated with closure of the Swan and De Grey IPTSF are:

- Waste fines/tailings (more likely to be generated during dry periods and if no vegetation established).
- In-pit ponded water, comprising runoff from pit wall materials, and basal seepage from waste rock dump into IPTSF (extent will depend on consolidation process and backfilling processes and timing).

The contaminants associated with the above identified sources are dependent on the chemistry of the:

- Residual feed water quality (the input/source water used to process the iron ore).
- Composition of the ore.
- Residual process chemicals (e.g., flocculants).
- Contribution from blast residues (i.e., nitrogen compounds).

The following data is available for assessment of potential PSOI for the closure of the Swan and De Grey IPTSF:

- Analytical data for the tailings solids.
- Interpretation of the operations quality model outputs for the ponded water. (High-level water quality model outputs for the ponded water in-pit for Swan and De Grey IPTSF was considered in the SPS CEM however data is not considered relevant for the current closure strategy)

# 6.3 Potential Contaminant Pathways

The following transport pathways have the potential to expose receptors to risk from PSOI associated with the closure phase of the Swan and De Grey IPTSF:

- Airborne dust, primarily during consolidation period when dry, without vegetation or other capping.
- Seepage of IPTSF waters through base and/or pit walls to groundwater.
- Spillage from failure of decant water pipelines Contaminant transport due to failure of a decant water pipeline has been retained in the Closure CEM. The decant system will likely be decommissioned post-operations, because the risk of overtopping is reduced at closure and therefore it is unlikely that the pond will need to be maintained (i.e., regularly decanted/pumped down) to keep it within a defined operating range. Mitigation for reducing runoff volumes from reporting to the pond (thereby keeping the pond volumes as low as reasonably practicable) includes constructing upstream diversions to direct runoff elsewhere downstream. However, noting the above, there is still the potential that at some stage during closure there will be a need to decant water from ponds within the pits and therefore, this exposure pathway has been retained in the Closure CEM. Decanting at closure will be at a significantly reduced rate to that of operations.
- Pit overtopping and/or Collapse of pit wall. (Both events could lead to similar outcomes, i.e. tailings release.)

As tailings deposition will have ceased at closure, spillage from the failure of delivery pipeline is no longer relevant, therefore this contaminant transport pathway has been removed from the Closure CEM.

In addition, migration of in-pit water from groundwater to surface water has been removed, based on advice from the IPTSF Closure Strategy (WSP, 2024j) that any water that accumulates in the pit will remain in the pit and/or be managed so that there is minimal likelihood of expression to surface water or other media outside the pit (e.g., soil or sediment). Therefore there is minimal likelihood of direct contact or ingestion of PSOI from seepage or surface water by aquatic or terrestrial flora and fauna or livestock or native fauna, including incidental ingestion by recreational users of natural watercourses or waterbodies.

Potential receptors may become exposed to PSOI associated with the closure phase of the IPTSFs via the following exposure pathways:

- Inhalation of dust by humans.
- Direct contact /uptake of PSOI by terrestrial or aquatic flora and fauna<sup>14</sup> from waste fines and/or supernatant water within Swan or De Grey pits: While exclusion bunding is expected to discourage access of humans, livestock and wildlife to the pits, the effectiveness of exclusion bunding is unknown. In addition, at closure there will no longer be active machinery onsite to deter wildlife access. There may be intermittent water collection within the pits, with some potential for ephemeral aquatic habitats to establish; however, permanent ponding is unlikely. Any ecosystems that may establish are considered to be highly modified and likely not representative of local native surface waters, and any contact with pond water by humans or other terrestrial fauna is unlikely to be significant.
- Direct contact with surface water impacted by tailings release through overtopping or pit wall collapse, in the event of emergency. The potential of this scenario occurring is likely to decrease significantly as consolidation progresses.

# 6.4 Potential Receptors

Based on site knowledge, a review of surrounding land uses (Section 2.2), readily available information and the identified closure option, the potential receptors at Closure are essentially the same as during Operations, except that most will be at a lower likelihood of exposure provided the proposed management measure are in place, as included in the IPTSF Closure Strategy (WSP 2024c).

The following were identified as potential receptors of interest (ROI) that may be exposed (either directly or indirectly as indicated in Table 6.1) by PSOI identified as associated with the IPTSF (Swan and De Grey) at Closure:

- Ecological Receptors:
  - Surface water aquatic ecosystems (Innawally Pool, OB31 Creek, Jimblebar Creek<sup>15</sup>, Shovelanna Creek and Ophthalmia Dam), including aquatic fauna and riparian vegetation.
  - Groundwater Dependent Ecosystems (GDE) as listed in the Australian Government Bureau of Meteorology, Groundwater Dependent Ecosystems Atlas (Appendix B of the SPS CEM):
    - Ethel Gorge aquifer stygobiont Threatened Ecological Community (TEC).
    - Subterranean fauna.
  - Native and terrestrial flora and fauna, including Commonwealth and State listed species of conservation significance (described in Appendix B of the SPS CEM for the full detailed Environment Protection and Biodiversity Conservation [EPBC] Act Protected Matters Reports and NatureMap Species Reports).
  - Livestock (cattle)<sup>16</sup>.
- Human Receptors:
  - Recreational users (e.g., campers) and Traditional owners<sup>17</sup> visiting the IPTSFs landforms at Closure.
  - Recreational users of nearby watercourses and waterbodies for wading, swimming, and fishing.

<sup>&</sup>lt;sup>14</sup> Native terrestrial fauna includes migratory birds.

<sup>&</sup>lt;sup>15</sup> The Jimblebar Creek regional surface water catchment is depicted in Figure 1 of the (BHP, 2018) Surface Water Management Plan Jimblebar report.

<sup>&</sup>lt;sup>16</sup> A potential future use of the IPTSFs at closure is pastoral land, including cattle grazing.

<sup>&</sup>lt;sup>17</sup> The IPTSF project area itself has no registered aboriginal heritage sites. Therefore, exposure of Traditional Owners to the IPTSFs at Closure is considered to represented by recreational exposure.

- Newman Water Reserve<sup>18</sup> public drinking water source protection zones (Priority Areas 1 and 3) and associated borefields.
- Nearby residents and visitors to the town of Newman.
- Aboriginal residents and visitors of the Parnpajinya and Jigalong Communities.
- Traditional owners (Nyiyaparli people) and custodians (Martu people) of the land.
- Farmers associated with the Prairie Downs and Sylvania Stations.

Further information on the receptor identification process is provided in Appendix A.

It is acknowledged that drinking water (Newman town water supply) source water is treated by BHP and the Water Corporation to meet the Australian Drinking Water Guidelines (NHMRC and NRMMC, (2011, updated 2021).), as required by WA Health (BHP 2012). Therefore, there is likely an incomplete pathway for exposure of humans via drinking water that has indirectly been affected by water sourced from the OB31 dewatering system. However, for completeness, drinking water has still been considered as an exposure pathway in the CEM.

In addition, some of the other exposure pathways are unlikely to be realised to major extents but have been included for completeness.

# 6.5 Closure – Risk events (SPR linkages)

Table 6.1 presents the identified closure-related risk events as a summary of the exposure pathways that relate to each of the SPR linkages for closure.

<sup>&</sup>lt;sup>18</sup> Swan and De Grey are located ~1 km outside of the boundaries of the Newman Water Reserve, the area encompassing the borefields responsible for Newman's public drinking water supply (DOW 2014). Source water from the Newman Water Reserve is extracted and/or treated by BHP and the Water Corporation, prior to potable use.

#### Table 6.1 Summary of Closure SPR linkages for IPTSF (Risk events)

Primary and	Transport Pathway	Receptors	Exposure Pathways					
Secondary Sources (Environmental Media)			Ingestion	Inhalation		Direct Contact / Uptake	Food Chain⁴	
Post-Deposition	Airborne fugitive dust generated from	Native terrestrial flora	-	-	-	~	-	
activities in Swan / De Grey IPTSF	TSF landform, prior to complete vegetation and during any in-pit mechanical activities.	Recreational users, nearby residents <sup>1</sup> , traditional owners, and/or farmers	-	√	-	-	-	
Dry waste fines	(Expected to be mainly in consolidation phase.)							
(Air quality)								
Post-Deposition in Swan / De Grey IPTSF	Seepage of IPTSF waters through base and/or pit walls to groundwater	Groundwater dependent ecosystems including subterranean fauna	1	-	-	1	-	
Consolidation of								
tailings slurry and								
resulting supernatant water								
(Groundwater)								
Post-Deposition in	Flow of ponded and/or tailings over the	Native terrestrial flora	-	-	-	~	-	
Swan / De Grey IPTSF	pit rim, Contact with falling debris (soil/rock)	Groundwater dependent ecosystems including subterranean fauna	*	-	-	~	-	
	following collapse of pit wall	Aquatic ecosystems <sup>2</sup>	-	-	-	~	~	

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Primary and	Transport Pathway	Receptors		Exposure Pathways					
Secondary Sources (Environmental Media)			Ingestion	Inhalation		Direct Contact / Uptake	Food Chain⁴		
Collapse of pit wall / Pit overtopping		Native terrestrial fauna <sup>3</sup>	~	-	-	-	~		
(Soil / rock, groundwater, and surface water)									
Post-Deposition in	Entry to TSF containment and	Native terrestrial fauna <sup>3</sup>	✓	-	-	~	-		
Swan / De Grey IPTSF	subsequent direct contact with or ingestion of waste fines and/or supernatant water	Aquatic ecosystem within in-pit ponds	-	-	-	~	*		
Consolidation of									
tailings slurry and									
resulting supernatant water									
(Waste fines and									
supernatant water									
inside Swan /									
De Grey IPTSF									
containment)									

Notes:

1) Nearby residents refers to residents and visitors to the town of Newman, as well as Aboriginal residents and visitors to the Pampajinya and Jigalong Communities.

Aquatic ecosystems includes surface waterbodies and watercourses, and their associated aquatic flora and fauna.
 Native terrestrial fauna includes ground-dwelling mammals, reptiles, and birds.

The 'food chain' exposure pathway refers to indirect dietary exposure to PSOI taken up in food items/prey consumed by fauna

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# 6.6 Closure – Consequence analysis (Screening)

The following presents a summary of the screening assessment for closure related SPR linkages as per Section 4.

## 6.6.1 Tailings data

The tailings solids data is compared to the adopted screening criteria in Section 4.1.

## 6.6.2 Pond water quality predictions

The Partial Backfill closure option (Option 2) was the preferred selected option for closure, which resulted in an improved outcome with respect to Option 1 (OWO option). The compounded/weighted residual risk score during the MCA was almost in the zone of "well within the risk appetite". Only one risk scenario was assessed to be outside of appetite, i.e., direct exposure of fauna to ponded surface water (seepage management was not considered to be required for the closure landform). However, the following engineering controls were recommended to be applied to reduce the likelihood and/or duration of ponded surface water within the IPTSF:

- Development of a partial backfill geometry that increases surface evaporation (flat surface, large evaporation area, and shallow water ponding); and
- Surface water diversions to reduce runoff into the IPTSFs.

Assuming the recommended engineering controls are implemented, the access of fauna to permanent or temporary ponded surface water at closure will be minimized. Therefore, water quality for the Partial Backfill closure option is not considered in the CEM at this level of study. Future closure study phases should incorporate more detailed water quality assessments to the target study level and be supplementary to other studies (e.g., hydrology, hydrogeology, CEM, etc.).

# 6.6.3 Summary of Closure PSOI

In the absence of water quality modelling specific to the proposed closure strategy, the screening processes analytes presented in Section 5.2 have been identified as potential PSOI's associated with closure of the Swan and De Grey IPTSF.

It is acknowledged that the closure concentrations are expected to be as a result of secondary seepage of tailings water post-deposition and consolidation and therefore the PSOIs are predicted to be at reduced concentrations. As such, reduction of concentrations will remove analytes from being identified as a stressor. Water quality modelling considering the proposed closure design and conditions should be undertaken to confirm these assumptions.

# 6.6.4 Downstream Water Quality at Closure

Downstream water quality has been assessed in the context of the Operation Conceptual Exposure Model (Section 5.6.3). No downstream modelling has been undertaken within the context of the Closure strategy and further assessment is recommended. However, screening results for the operational downstream water quality indicated elevated concentrations of TDS and Barium are present. It can be assumed that conditions at closure are likely to be similar, however as noted further assessment is recommended.

# 6.7 Closure – Likelihood & Risk Assessment

An assessment of risk for the complete SPR linkages associated with the closure phase of the Swan and De Grey IPTSF (Figure 6.1) are presented in Table 6.2. The SPR linkages identified in Table 6.2 along with proposed mitigation strategies and controls, are based on the sources described in Section 6.1.2, the pathways described in Section 6.3, and the receptors considered in Section 6.4.

The risk ratings, assigned to each SPR linkage are based on the DWER (DWER, 2020) guidelines presented in Section 4. Appendix G also provides the rationale for these ratings considering mitigation and controls that may be put in place.

Risk Event				Risk Assessment		
rimary and Secondary Sources	Transport Pathway	Receptors	Potential Impacts	Closure Strategy - Partial Back		1
and Affected or Impacted Environmental Media)				Consequence	Likelihood	Risk Rating
Post-Deposition of tailings slurry in Swan / De Grey IPTSF Dry waste fines (Air quality)	Fugitive dust generated from TSF landform	Native terrestrial flora	Reduction in photosynthesis, respiration, and transpiration due to dust deposition	Slight	Rare	Low
		Recreational users, nearby residents <sup>1</sup> , traditional owners, and/or farmers	Acute and chronic effects on human respiratory system and general health and amenity	Minor	Rare	Low
	Direct discharge of supernatant water to land and seepage to groundwater	Native terrestrial flora within the vicinity of the pipeline	Soil and/or groundwater contamination resulting in localised, short-term decline in floristic health	Minor	Rare	Low
		Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	Minor	Rare	Low
	Expression of contaminated groundwater to surface water and subsequent migration further downgradient; overland flow to surrounding creeks (OB31 Creek and other tributaries) and downstream receiving waters including Shovelanna Creek	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low
	receiving waters including Shovelanna Creek	Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna	Minor	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek and associated creeks	Slight	Rare	Low
Post Deposition of tailings slurry in Swan / De Grey IPTSF Consolidation of tailings slurry and resulting upematant water	Seepage of IPTSF waters through base and/or pit walls to groundwater	Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Degradation of groundwater near Swan / De Grey IPTSF	Minor	Unlikely	Medium
Groundwater and surface water)	Expression of groundwater contaminated with IPTSF waters to surface water and subsequent surface water migration downstream along natural waterways/ watercourses	Native terrestrial flora including riparian vegetation communities	Localised, short-term decline in floristic health due to raised water tables, uptake of contaminated shallow groundwater or surface water, and/or increased salts in surface soils due to evapo-concentration	Minor	Rare	Low
		Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and quantity and associated effects to aquatic ecosystems and the hydro cycle	Minor	Rare	Low
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source	Minor	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low

Table 6.2 Summary Closure Phase Risk Ratings for Jimblebar In-pit Tailings Storage Facilities

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Risk Event				Risk Assessment		
rimary and Secondary Sources	Transport Pathway	Receptors	Potential Impacts	Closur	e Strategy - Partial Backf	111
and Affected or Impacted Environmental Aedia)				Consequence	Likelihood	Risk Rating
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek other nearby watercourses and waterbodies	Slight	Rare	Low
		Drinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
ost Deposition of tailings slurry Swan / De irey IPTSF it overtopping Soil, groundwater, and surface water)	Flow of supernatant water over the pit rim <sup>4</sup>	Native terrestrial flora including riparian vegetation communities	Potential soil crossion and physical damage to vegetation from overland flow and/or floodingSoil and/or groundwater contamination resulting in decline in floristic health	Minor	Rare	Low
		Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	Minor	Rare	Low
		Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source	Minor	Rare	Low
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source	Slight	Rare	Low
		Recreational users	Adverse impacts to human health from recreational use of Ophthalmia Dam, or other nearby watercourses	Slight	Rare	Low
Post Deposition of tailings slurry in Swan and De Grey IPTSF Consolidation of tailings slurry and resulting upernatant water Waste fines and supernatant water inside	Entry to TSF containment and subsequent direct contact with or ingestion of waste fines and/or intermittent pond water	Native terrestrial fauna <sup>3</sup>	Acute or chronic effects on health Entrapment in soft fines	Minor	Possible	Medium
wan and De Grey IPTSF)		Aquatic ecosystem within in-pit ponds	Acute or chronic effects on health	Slight	Rare	Low

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Risk Event				Risk Assessment		
Primary and Secondary Sources	Transport Pathway	Receptors	Potential Impacts	Closure Strat	egy - Partial Backfill	
(and Affected or Impacted Environmental Media)				Consequence	Likelihood	Risk Rating
		Livestock (cattle)	Acute or chronic effects on health	Slight	Rare	Low
		Recreational users	Acute or chronic effects on health	Minor	Rare	Low
Post Deposition of tailings slurry in Swan and De Grey IPTSF Collapse of pit wall (Soil/rock)	Overland flow of debris and subsequent displacement of tailings and subsequent overland flow to downgradient receiving environments following pit wall collapse	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	Minor	Rare	Low
		Native terrestrial flora and fauna <sup>3</sup>	Smothering and/or entrapment of receptors Destruction of habitat	Minor	Rare	Low
		Livestock (cattle)	Destruction of grazing land	Minor	Rare	Low
		Recreational users	Destruction of recreational areas/ significant sites	Minor	Rare	Low

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Notes:
1 Nearby residents refers to residents and visitors to the town of Newman, as well as Aboriginal residents and visitors to the Pampajinya and Jigalong Communities.
2 Aquatic ecosystems includes surface waterbodies and watercourses, and their associated aquatic flora and fauna.
3 Native terrestrial fauna includes ground-dwelling mammals, reptiles, and birds.
Pit overtopping may occur as a result of an extreme storm event, collapse of pit wall (if a supernatant pond is present in the TSF), or human failure.

AEP = annual exceedance probability; DMIRS = Department of Mines, Industry Regulation and Safety; ANCOLD = Australian National Committee on Large Dams

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# 7 Uncertainties

Table 7.1 provides the uncertainties identified as potentially impacting the CEM.

Table 7.1	Uncertainty analysis
	Oncontainty analysis

Area of uncertainty	Detail	Impact on CEM
Design and associated factors	The CEM relies on the accuracy of the design parameters and criteria outlined in the Basis of Design (WSP, 2024) and other supporting studies.	Modification to the design and/or inaccuracy may result in changes to CEM and the risk assessment.
		May result in over- or under-estimate of risk ratings.
Supporting studies	The risk ratings presented in the CEM are informed by the outputs of the water balance, hydrogeological, and geochemical modelling which includes the	Conservatism of modelling in the supporting studies will result in over- estimation of risk ratings
	assumption that the Swan, De Grey, and adjacent pits (OB31) dewatering system are operational	Inaccuracies in support study modelling may result in over- or - under estimation of risk ratings
Supporting studies	The water balance and geochemical studies undertaken to support the closure assessment are considered high-level. Therefore, these results should be considered preliminary and may be subject to change, as more refined modelling is completed at later stages of the closure assessment.	High-level, less refined modelling results may over- or -under estimate risk ratings
Supporting studies	There are uncertainties associated with the groundwater conditions at closure creating uncertainties regarding the potential receptors that might be exposed to PSOIs in seepage that migrate in groundwater from the IPTSF. Based on the current understanding and available information, for this CEM it has been assumed that dewatering at OB31 will cease and westerly groundwater flow directions will re-establish.	Uncertainty in groundwater conditions may result in over- or -under estimation of risk ratings
Consequence assessment criteria, guideline values, screening criteria	The adopted screening criteria are derived with uncertainty and safety factors and are set at levels well below concentrations that may cause adverse effects, often by orders of magnitude.	Can result in over-estimation of consequence and risk rating.
Consequence assessment criteria, guideline values, screening criteria.	Screening criteria are also usually derived using general exposure assumptions that are based on worst-case scenarios to cover a wide range of situations and sensitive sub-populations.	Can result in over-estimation of consequence, likelihood and risk rating
Environmental data	Use of 90th percentile (P90) concentrations that are not likely present at all times in all exposure situations.	Can result in over-estimation of likelihood and risk rating

Area of uncertainty	Detail	Impact on CEM
Environmental data	Air quality data was not available to inform the chemical composition and particle size distribution of the fugitive dust generated by the TSF landform. CEM assessment authors assumed that any windblown dust generated would be dominated by the coarse sized particulate matter fraction.	If finer respirable dust is generated, risk ratings possible under-estimated.
Environmental data and screening	Additional conservatism may be included for some aquatic ecosystems by use of 95% species protection levels, when some of the receiving surface waters appear likely to be highly disturbed ecosystems and may allow the use of 90% protection levels	Can result in over-estimation of consequence and risk rating.
Operations and controls	The rating of risk due to pipeline failure has been conducted on the basis that the delivery pipeline system will be equipped with pressure sensors and an automatic line shut off designed to trigger in event of a pressure drop	If pipeline controls are not utilised, risk ratings may likely be under- estimated.
Closure	The preferred Partial Backfill Closure Option involves the tailings material being capped after the period of consolidation with a benign material (indicated to be waste rock covered by locally sourced surface soils). Assessment of the cover material is outside of the scope of this CEM. However, it is recommended that the suitability of the cover material in relation to chemical exposure risks of humans and wildlife is assessed prior to use.	Type of closure material can impact exposure and may result in over- or - under estimation of risk ratings.

# 8 Conclusions

The CEM describes complete source-pathway-receptor (SPR) linkages (i.e., potential interactions between the IPTSF, air [dust], surface water and groundwater, and receptors [humans and ecology]) associated with the Swan and De Grey IPTSF. The DPS CEM considers both operations and closure phases. The preferred closure option has been assessed as Option 2 – Partial backfill.

The Operations and Closure CEMs assess potential risks to ecological and human receptors posed by chemical stressors associated with the Swan and De Grey IPTSFs. The CEMs exclude occupational and safety risk. Health and safety risks to workers during operations or physical safety risk to the community during closure will be assessed and managed separately.

The risk ratings of the complete source-pathway-receptor (SPR) linkages associated with operation and closure of the De Grey and Swan IPTSF are summarised as follows:

## 8.1 Operations

No high-risk ratings were identified for Operations. The medium risks are summarised below. The remaining risk ratings were low, and therefore, have not been discussed in this summary.

Medium Risk:

- Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems (subterranean fauna), and the migration of seepage-impacted groundwater from the IPTSFs to the OB31 dewatering system and subsequent disposal of surplus water to the receiving environment (including Ophthalmia Dam) resulting in impacts to surface water aquatic ecosystems and native terrestrial flora (including riparian vegetation communities) and fauna.
  - Groundwater modelling (WSP 2023e) predicts that groundwater mounding will not be high enough to result in seepage to ground surface. Groundwater impacted by seepage from the IPTSFs through OB31 dewatering and disposal of surplus water to the receiving environment may provide a potential exposure pathway for surface water aquatic ecosystems, native terrestrial fauna and flora (including riparian vegetation), livestock and humans (recreational users and drinking water).
  - Modelling of the chemistry of the seepage impacted OB31 dewatering water (i.e., downstream) indicates that TDS and Barium exceed the screening criteria, with one high seepage scenario during sustained seepage (late stages of the operational period) resulting in a HQ> 5.
  - Further monitoring of the groundwater is recommended to determine if the water quality is suitable to be discharged to a sensitive receiving environment<sup>20</sup> or if further management measures are needed.
  - The pathway for exposure to humans via drinking water is likely to be incomplete. Any impact is likely to be due to water sourced from the OB31 dewatering system and to be diluted and treated before any drinking water exposure. The concentrations of PSOIs in seepage- impacted groundwater present a low risk to livestock and drinking water, with low Hazard Quotients<sup>21</sup>.

<sup>&</sup>lt;sup>20</sup> It is assumed that seepage water collected by the OB31 dewatering system will be managed as part of BHP's overall water management system and re-used or dispose. Seepage affected groundwater must meet applicable water quality guidelines and

licence discharge criteria (e.g., SSTVs) prior to being discharged to the receiving environment (including Ophthalmia Dam). <sup>21</sup> For livestock and drinking water, is it assumed that water in Ophthalmia Dam would be required to seep into the underlying groundwater and then migrate to an abstraction bore before it is used for livestock feeding or drinking water. It is likely that some further dilution of the PSOIs would occur during migration in groundwater and this would reduce the risks posed to human health from drinking water or livestock. In addition, it is acknowledged that drinking water (Newman town water supply) source water is treated by

Entry to IPTSF containment and subsequent direct contact with, or ingestion of, waste fines and/or supernatant water by native terrestrial fauna.

- There were minor exceedances of some screening criteria, which would require assessment of the likelihood of terrestrial fauna coming in direct contact with the surface water or waste fines. The screening criteria for both apply more to a chronic (i.e., long-term) exposure scenario, rather than sporadic exposures for short durations. If there are only short-term intermittent exposures, the risk is likely to be low.
- However, due to the unknown potential for exposure, a likelihood rank of possible is applied which derives a
  medium risk to native terrestrial fauna from entry to TSF containment and subsequent direct contact with or
  ingestion of waste fines and/or supernatant water22.

# 8.2 Closure – Option 2, Partial Backfill

No high-risk ratings were identified for Closure Option 2. The medium risks are virtually the same as those identified for the Operations phase and are summarised below, with the remaining risk ratings being low.

Medium Risk:

- Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems (subterranean fauna and riparian vegetation communities).
- Entry to IPTSF containment and subsequent direct contact with or ingestion of waste fines and/or intermittent pond water by native terrestrial fauna within in-pit ponds.

BHP and the Water Corporation to meet the Australian Drinking Water Guidelines (NHMRC and NRMMC 2011), as required by WA Health (BHP 2012).

<sup>&</sup>lt;sup>22</sup> WSP anticipates that BHP will manage the potential risks to the environment from the rare event of a pit wall collapse through implementation of engineering controls (e.g., regular inspections of pit wall stability/slope failure). As a result, the risk to aquatic ecosystems and native terrestrial flora and fauna is assessed to be low on the assumption that minor consequences are only expected under exceptional circumstances.

# 9 Recommendations

# 9.1 Reducing uncertainties

Where uncertainties are impacting on the outcome, additional assessment and modelling works may reduce uncertainties in the CEM risk ratings and fill information gaps to help decide on the final outcome.

## 9.1.1 Operations and Closure CEM

Assessing background environmental data further (in addition to the groundwater data already collected e.g. OB31 Groundwater Quality) would increase understanding of the potential for naturally elevated metal concentrations in the area surrounding the IPTSFs. Understanding background conditions may be used to refine the risk ratings by assessing whether PSOI concentrations in environmental media are elevated above the natural background conditions and whether the derived Site-Specific Trigger Values are relevant.

It may also be used to establish baseline conditions to assist with understanding the magnitude of potential discharges to the environment (such as pipeline spills) and the requirement for cleanup; for this purpose, background environmental data should be collected before deposition of tailings commences.

This additional data could include the collection of soil data, surface water quality data (e.g., OB31 Creek, Shovelanna Creek, Jimblebar Creek) and sediment/soil quality data along drainage and creek lines (OB31 Creek, Shovelanna Creek, Jimblebar Creek).

## 9.1.2 Closure CEM

The seepage risk from the IPTSFs to groundwater may be refined through hydrogeological modelling for closure to understand changes in groundwater levels and flow direction once OB31 dewatering has ceased and once the closure strategy for OB31 Pit is known. The rate of recovery of groundwater levels following the cessation of dewatering operations at OB31 is unknown; it has not been numerically modelled and may take hundreds of years.

In addition, as the water balance and geochemical studies that have been undertaken to support the closure assessment are considered high-level and focused on Closure Option 1, the results can be considered preliminary; additional hydrogeological modelling focused on Closure Option 2 may assist in reducing uncertainties associated with seepage migration at closure and the identification of potential receptors.

Note: Water balance models or water quality models were not developed for the Closure Option 2, and updating those for Option 2, potentially incorporating updated design elements as relevant and the final landform and land use/s to confirm the ecological and human receptors that may be exposed, would assist with refining the risk rankings.

The preferred Closure Option (Option 2, with partial backfill) incorporates the tailings material being capped after the consolidation period with a benign material (indicated to be waste rock). Assessment of the cover material is outside of the scope of this CEM, however, it is recommended that the suitability of the cover material is assessed prior to use to minimise chemical exposure risks of humans and wildlife.

## 9.2 Risk control and mitigation measures

A number of engineering and management measures are recommended to protect the local environment and ecosystems, including human health. These include protection of air quality and soil, groundwater and surface water (from tailings delivery systems, decant water and tailings slurry deposition) and are outlined in the Risk Assessment tables for Operation (Appendix D) and Closure (Appendix E).

This section discusses the recommendations for the two medium risk scenarios identified for both Operation and Closure:

 Seepage of IPTSF waters through base and/or pit walls to groundwater resulting in impacts to groundwater dependent ecosystems (subterranean fauna and riparian vegetation); and to aquatic ecosystems and native terrestrial flora (including riparian vegetation) and fauna from expression of seepage impacted groundwater to surface water.

Risk controls could include:

- Monitoring of groundwater and surface water quality and quantity (water level, flow).
- Continued operation of dewatering system to manage seepage.
- Entry to IPTSF containment and subsequent direct contact with or ingestion of waste fines and/or supernatant water by native terrestrial fauna and aquatic ecosystems within in-pit ponds.

Risk controls could include:

- Exclusion bunding around pit to discourage access.
- Routine surveillance program, including regular fauna checks.

These recommendations are in addition to the management measures outlined in IPTSF Closure Strategy (WSP 2024C).

Other resources that may assist in mitigating hazards and risks include: WA Department of Energy, Mines, Industry Regulation and Safety (2022) - <u>Guidance about tailings storage</u>.

This includes guidance and a Code of Practice on siting, designing, constructing, operating and decommissioning a Tailings Storage facility (TSF).

Global Tailings Review, 2020 (partnering with International Council on Mining & Metals, ICMM; UN Environment Program, UNEP; and Principles for Responsible Investment, PRI) - Global Industry Standard on Tailings management global-industry-standard EN.pdf.

To be compliant with the Standard, Operators must ... "implement best practices in planning, design, construction, operation, maintenance, monitoring, closure and post closure activities".

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# Appendix A Receptors of Interest





## 1 Ecological Receptors

The Pilbara is characterised by a much higher evaporation rate than precipitation rate, and approximately 70% of the precipitation occurs between the months of November and April. This causes several extremely dry months so that the creeks and river systems in the Pilbara are ephemeral and often groundwater-dependent. The catchments and the associated groundwater within the Jimblebar and Wheelarra Hill areas, are habitat for approximately 20 stygofauna species (Bennelongia 2013a, 2014a, 2014b).

Mining activities in the region have resulted in drawdown of water table and consequently these surface water systems, which are naturally groundwater fed, are currently receiving reduced groundwater inputs. It is understood that BHP manage aquifer recharge of the local aquifer, to counteract effects of dewatering in the system.

### 1.1 Aquatic Ecosystems

The aquatic communities of ephemeral waters, such as Jimblebar Creek, are characterised by receptors that typically have short reproductive life cycles that are triggered by, and completed within, periods of inundation. Inundation is followed by drought during which time these receptors enter a period of dormancy (e.g., production of eggs that are desiccation-resistant) where life processes are halted until inundation occurs, or find refuges (such as springs, or permanent standing water).

Innawally Pool is a permanent waterbody formed by the erosion by high water flows from the incised gorge of Jimblebar Creek. The pool is approximately 700 m long and 30 m wide and retains water throughout the year (BHP 2021). Limited information is available on the aquatic communities of the local waterways (BHP 2019). The exception being Innawally Pool, which has been found to support a freshwater turtle (Steindachner's turtle), native frogs, and invertebrates (BHP 2021).

Other receptors such as fish and macroinvertebrates may find refuges during periods of drought in groundwater-fed springs or permanent pools. Fish may colonise the local ephemeral waters after transport from upstream locations during periods of inundation. Examples of invertebrates that are adapted for extended periods of desiccation and may be found within local creeks and receiving waters include aquatic molluscs (e.g., snails [Gastropoda]), water mites, and crustaceans (copepods [Copepoda], water fleas [Cladocera], seed shrimp [Ostracoda], and side swimmers [Amphipoda]).

The ephemeral creeks and pools within the Jimblebar area also support riparian vegetation communities along their main drainage channels and adjacent floodplains. These communities include the facultative tree species *Eucalyptus camaldulensis subsp. refulgens* and *Eucalyptus victrix* found on the flood plains (BHP 2019). A survey of riparian and aquatic flora and vegetation in Jimblebar Creek and Innawally Pool by Onshore Environmental (2016<sup>1</sup> cited in Onshore Environmental 2018) identified the following significant flora species: *Rhagodia sp* and *Goodenia nuda*.

### 1.2 Groundwater Dependent Ecosystems

Groundwater plays an important role in sustaining aquatic and terrestrial ecosystems, such as springs, wetlands, rivers, and vegetation in arid settings. Understanding these groundwater-dependent ecosystems (GDE) is essential for groundwater management and planning.



A search of the GDE Atlas was undertaken to assess the presence of aquatic, terrestrial, and subterranean GDEs proximate to the Swan and De Grey pits. Further information on the search of the GDE Atlas database is found in Appendix B. The lower and upper reaches of the Fortescue River, the Warrawanda Creek and Shovelanna Creek were identified to be moderate and high potential aquatic GDEs (national assessment), respectively. The areas surrounding the upper Fortescue River and Warrawanda Creek were identified as having moderate and low potential for terrestrial GDE. The areas surrounding Shovelanna Creek and Jimblebar Creek also displayed low potential for terrestrial GDE. No data was available for subterranean GDEs, as no analysed ecosystems were present within a 2 km radius of the Jimblebar Mine. As stated in SRK (2020), Ethel Gorge is designated as a Threatened Ecological Community (TEC) whereas Fortescue Marsh (Marsh located approximately 100 km to the northwest of OB17 and OB18) is designated as a Priority Ecological Community (PEC). The depth to groundwater in the vicinity of Jimblebar Creek and Innawally Pool is approximately 40-50 m bgl indicating these waterbodies are not GDE (SRK 2020).

### 1.2.1 Subterranean Fauna

Subterranean fauna includes stygofauna and troglofauna. Troglofauna are air-breathing animals that live in caves and voids in the sub-surface. Stygofauna are aquatic subterranean species (including micro and macroinvertebrates) that live below the earth's surface in aquifers, cave lakes, and groundwater systems. Stygofauna generally inhabit groundwater habitats with substantial fissures or voids, which in the vicinity of the area of study includes saturated Tertiary alluvium, along with orebody, dolomite, and fractured rock aquifers (SRK 2013). Subterranean fauna are predominantly invertebrates with a small number of vertebrates also having been identified to date (such as fish and a reptile).

The preservation and protection of subterranean ecosystem is a priority due to the unique biology, and function this fauna perform in groundwater systems. Stygofauna maintain the pore spaces in aquifers and remove organic material and nutrients in groundwater thereby providing an important ecosystem service of bio-remediating groundwater contaminants and maintaining groundwater quality. The Pilbara region is reported to have high diversity subterranean fauna (EPA 2016). It is conservatively estimated that the region supports between 500 and 550 species of stygofauna (Bennelongia 2015). As of 2015, more than 650 morphospecies of troglofauna had been recorded in the Pilbara to date, with the total number of species present likely to be much higher (Bennelongia 2015).

Stygofauna and other subterranean species are a focus of environmental assessment because a high proportion of them have localised distributions (Gibert and Deharveng 2002). According to Eberhard et al (2009), around 70% of Pilbara stygofauna species are likely to be short range endemics due to the limited physical connections between groundwater systems (Bennelongia 2013).

Limited research has been conducted on the effects of toxicant stressors on stygofauna. The physiology of stygofauna can differ from surface species and as such they may be expected to respond differently to toxicants compared to populations of surface taxa (Hose 2005, 2007 cited in Hose et al. 2015). It is considered likely that stygofauna communities may be more sensitive to some toxicants compared to surface water communities (Hose 2005 cited in Hose et al. 2015) and because of this, groundwater ecosystems are recommended to be protected (ANZG 2018).

Although no subterranean GDE were identified by the Atlas search, the Ethel Gorge/Ophthalmia Basin alluvium calcrete aquifer on the Fortescue River supports the Ethel Gorge Aquifer Stygobiont Community. This community is classified as a Threatened Ecological Community (TEC) B (ii) community based on it being of "limited distribution, with few occurrences, each of which is small and/or isolated and all or most occurrences are very vulnerable to known threatening processes" (DBCA 2020).

Several stygofauna assessments have been conducted in the study area in 2013 and 2014 to assess risks posed to stygofauna from proposed dewatering at OB17 (Swan), OB18 (De Grey), and OB31. Sampling yielded a total of 78 stygofauna species in Newman and surrounds, 59 of which occur in the Ethel Gorge TEC. Specific investigations at Jimblebar found only one species near the OB17 (Swan) and OB18 (De Grey) pits, 11 species in the OB31 footprint, 15 species in the vicinity of the Wheelarra Hill/Jimblebar mine area, and nine species surrounding the Sylvania Station (Bennelongia 2013a, 2014a, 2014b).

Several trogolofauna studies have also been undertaken within the Jimblebar footprint, revealing approximately 38 species present at Jimblebar/Wheelarra Hill. Investigations indicate that these species are likely to be constrained to the clay rich habitat of the tertiary detritals and all species found in the area are likely to have widespread dispersals expanding outside of the area.



## 1.3 Terrestrial Ecosystems

### 1.3.1 General Description

The Pilbara region supports high species richness and many endemic species of plants and animals, including one of the richest reptile assemblages in the world, more than 125 species of acacia, and more than 1,000 species of aquatic invertebrates (DPAW 2017).

Jimblebar is located on the plains and low hills between three bioregions, with ephemeral creeks occurring in the eastern portion of the project area. Jimblebar is located between the eastern portion of the Hamersley and Fortescue subregions of the Pilbara, and the Augustus subregion of the Gascoyne. The surrounding vegetation is classified by BHP (2019) as follows:

- Triodia hummock/open hummock grass on hill slopes and low undulating hills
- Acacia high open shrubland (Mulga) and Triodia hummock grassland on floodplains
- Triodia hummock grasslands.

The gorges and summits of the highest peaks of the Hamersley Range protect isolated populations of land snails, skinks, and plants (DPAW 2017). Many endemic plant species, including the Threatened flora species *Aluta quadrata* and rare ecosystems are also found in the Hamersley subregion. Additional information pertaining to the conservation significant flora and fauna found in the study area is presented in subsequent sections.

Environment Protection and Biodiversity Conservation (EPBC) and NatureMap database searches were conducted to identify Commonwealth and State listed species of conservation significance that may be present within a 25 km radius of the study areas. Database search results are presented in Appendix B, with a summary of the flora and fauna species of conservation significance identified by the database searches provided in Tables B1 and B2, respectively. Additional details are provided in subsequent sections.

### 1.3.2 Flora and Vegetation of Conservation Significance

The NatureMap database search identified 15 priority flora species that may occur within a 25 km radius of the Swan an De Grey pits. The EPBC database searches also identified one threatened flora species that may occur within the 25 km radius. Mt Augustus Foxglove (*Pityrodia augustensis*) is listed as Vulnerable under the EPBC Act 1999 (Commonwealth) and as a Declared Rare Flora under the Wildlife Conservation Action 1950 (Western Australia). Mt Augustus Foxglove is a small flowering shrub endemic to a small area of Western Australia, spanning the rocky hillsides in the Mt Augustus area, north-east of Carnarvon, and Mt Fraser in the Robinson Range, north of Meekatharra in the Geraldton district of Western Australia (Brown et al. 1998)

### 1.3.3 Vertebrate Fauna of Conservation Significance

Together, the EPBC and NatureMap database searches identified species of birds, mammals and reptiles of conservation significance that may be present within a 25 km radius of Swan and De Grey, including:

- 11 Commonwealth listed threatened<sup>2</sup> species
- 15 listed migratory<sup>3</sup> and/or protected under an international agreement bird species
- 12 listed marine bird species

<sup>&</sup>lt;sup>2</sup> Threatened fauna and flora may be listed in any one of the following categories pursuant to Section 179 of the *EPBC Act 1999*: Extinct, Extinct in the Wild, Critically Endangered, Endangered, Vulnerable, or Conservation Dependent.

<sup>&</sup>lt;sup>3</sup> Many migratory species are listed under international conventions and agreements to which Australia is party. The list of migratory species is established under Section 209 of the *EPBC Act 1999* and relates to the following conventions and agreements: Bonn Convention, JAMBA, CAMBA, and ROKAMBA.



- Three Priority 4 mammals<sup>4</sup>
- One Priority 1 and two Vulnerable reptiles
- One other specially protected fauna (Schedule 7).

### 1.3.4 Short Range Endemic Species

Fauna surveys conducted in 2013 and 2014 revealed six potential short range endemic (SRE) species. Two mygalomorph spiders (*Karaops* 'ARA003-DNA', and 'ARA004-DNA'), a pseudoscorpion (*Xenolpium* 'PSE079'), and three isopods (*Buddelundia* '10NM', '49', and *Buddelundiinae* 'WN') (Biologic 2013, 2014). These SREs are minorly impacted by habitat fragmentation, but are not expected to be further impacted by the proposed IPTSFs at Jimblebar Mine.

## 2 Livestock

The dominant land uses in the region are grazing, native pastures, ecological conservation, mining and urban. Unallocated Crown Land (UCL) and the Sylvania Pastoral Lease are the underlying land tenures occupying the Swan and De Grey areas. Sylvania Station is located approximately 28 km to the southwest of OB17 and OB18.

### 3 Humans

The human receptors considered in the conceptual exposure model (CEM) that were identified at the site and surrounds include:

- Nearby residents and visitors to the town of Newman and Aboriginal residents of Parnpajinya Community and traditional owners (Nyiyaparli people) and custodians (Martu people) of the land that:
- Consume drinking water sourced from the Newman Water Reserve<sup>5</sup> public drinking water source protection zones (Priority Areas 1 and 3) and associated borefields; and
- Undertake recreational activities in Ophthalmia Dam, OB31 Creek, Fortescue River, Jimblebar Creek, Ethel Gorge, or other nearby watercourses and waterbodies for wading, swimming, and fishing.

Drinking water (Newman town water supply) will not be considered further, as source water is treated by BHP and the Water Corporation to meet the Australian Drinking Water Guidelines (NHMRC and NRMMC 2011), as required by WA Health (BHP 2012). Incidental ingestion of creek water is considered in the CEM according to the recreational guidelines for managing risks in recreational water (NHMRC 2008).

Cultural heritage sites are listed in Appendix B for completeness, given their cultural and spiritual value and potential to be impacted by current and ongoing mining activities (refer to Section 3.1). With respect to Swan and De Grey IPTSFs, these sites may be affected where they are situated in the path of unmanaged releases. However, cultural heritage sites have not been explicitly considered in the CEM.

<sup>&</sup>lt;sup>4</sup> Priority species are still considered to be of conservation significance (i.e., they may be rare or threatened) but cannot be considered for listing under the Western Australian Wildlife Conservation Act 1950 (WC Act) until there is adequate understanding of threat levels imposed on them.

<sup>&</sup>lt;sup>5</sup> Jimblebar mining activities are not located within the boundaries of the Newman Water Reserve, the area encompassing the borefields responsible for Newman's public drinking water supply (DOW 2014); therefore, they have not been explicitly considered further in this CEM.



### 3.1 Cultural Heritage Sites

According to the Aboriginal Heritage Inquiry System database, which is maintained by the Department of Planning, Lands and Heritage (DPLH 2021), there are 18 registered Aboriginal sites and 19 other indigenous heritage sites within an approximate 5 km radius surrounding the proposed Swan and De Grey IPTSF pits. It is noted that there are no registered Aboriginal site within the IPTSF project area. Items or areas of significance that may be present within a 5 km radius of the proposed Swan and De Grey IPTSF include:

- Quarry
- Modified trees
- Artefacts/scatter
- Rock shelters
- Arch deposits
- Ceremonial man-made structures.

The crown lease for the OB17 and OB18 area falls within the boundary of Nyiyaparli Native Title Claim. BHP has a comprehensive agreement with the Nyiyaparli people, the objective of which is to minimise impacts, engage with the Nyiyaparli people, and provide an opportunity to influence the management of environmental issues (NNTT 2021). For example, recognition of the Innawally Pool (located on Jimblebar Creek) as having historical significance to the Nyiyaparli people.

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# Appendix B

Comparison of Environmental Data and Modelling Predictions to Adopted Screening Criteria



TBL B2 Tailings Solids - Livestock

P5134794 Conceptual Exposure Model Definition Phase Study, JanMebar Beneficiation Project

TBL BI-Tailings Solids - Ecology

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### Table B.3 – Comparison of Tailings Solids Data to Human Health (Recreational) Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project

	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	к	La	Li	Mg	Mn	Mo
Sample	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg
NEPM HILs Recreational C			300		90			90		300	300		17000										19000	
US EPA Regional Screening Levels - Resident Soil Adjusted*	1560	31		60000										22							640			1560
Total Elemental Composition Results																							_	
Tailings Blend - SPS Average Tailings Blend	0.007	3.8	17.0	89	2.28	0.226	0.04	0.025	106	5.61	41.3	0.1	32	48.4	7.1	0.8	1.81	0.038	0.01	56.4	5.4	0.05	918	1.47
Tailings Blend - High P2	0.011	3.8	21.4	81	2.11	0.265	0.04	0.029	106	6.29	47.3	0.09	39	48.6	7.8	0.6	2	0.051	0.02	58.7	5.4	0.06	1185	1.64
	Na	Nb	Ni	Р	Pb	Rb	Re	S	Sb	Se	Se	Sn	Sr	Та	Te	Th	Ti	TI	U	v	W	Y	Zn	Zr
Sample	Na %	Nb mg/kg	Ni mg/kg	P %	Pb mg/kg	Rb mg/kg	Re mg/kg	S %	Sb mg/kg	Sc mg/kg	Se mg/kg	Sn mg/kg	Sr mg/kg	Ta mg/kg		Th mg/kg	Ti %	Tl mg/kg	U mg/kg	V mg/kg	W mg/kg	Y mg/kg	Zn mg/kg	Zr mg/kg
Sample NEPM HILs Recreational C				P %		Rb mg/kg	Re mg/kg	S %							Te mg/kg		Ti %		U mg/kg	V mg/kg	W mg/kg	Y mg/kg		
			mg/kg	P %	mg/kg	Rb mg/kg	Re mg/kg	\$ %			mg/kg						Ti %		U mg/kg 64	V mg/kg 1560	W mg/kg	mg/kg         %         mg/           190         190           5.4         0.05         91           5.4         0.06         118           W         V         ZZ           mg/kg         mg/kg         mg/kg           1.74         17.65         61.	mg/kg	
NEPM HILs Recreational C			mg/kg	P %	mg/kg	Rb mg/kg	Re mg/kg	S %	mg/kg		mg/kg	mg/kg	mg/kg				Ti %				W mg/kg	Y mg/kg	mg/kg	
NEPM HILs Recreational C US EPA Regional Screening Levels - Resident Soil Adjusted*			mg/kg	P % 0.146	mg/kg	Rb mg/kg	Re mg/kg	8 %	mg/kg		mg/kg	mg/kg	mg/kg				Ti %						mg/kg	
NEPM HILs Recreational C US EPA Regional Screening Levels - Resident Soil Adjusted* Total Elemental Composition Results	%	mg/kg	mg/kg		mg/kg 600	mg/kg		S % 0.02 0.02	mg/kg	mg/kg	mg/kg 700	mg/kg 188000	mg/kg 188000	mg/kg	mg/kg	mg/kg		mg/kg 3	64	1560	1.74	17.65	mg/kg 30000	mg/kg

Notes: - VIS EPA RSLs for Residential settings have been adjusted by a factor of 4 (to account for differences in soil ingestion rates) to be representative of recreational exposure. Criteria for A1 and Fe have been converted to %

### Table B.4 Comparison of Tailings Supernatant Water Data to Ecological Screening Criteria

PS134791 Canceptual Exposure Model Definition Phase Study, Embloher Baseficiation Project

	Tailings Supernatant (Dissolved)																									-			
	Sample 1D	pH (1:5)		Redox Potential				OH Alkalinity	CO3 Alkalinity	HCO <sub>3</sub> Alkalinity	Total Alkalinity							NH4	NO <sub>2</sub>	NO3				Total P as P	Reactive p as P				
																		mgNH <sub>3</sub> /L			mg NO <sub>2</sub> +NO <sub>2</sub> /L								
iroundwater	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023)	6.0-8.5	1200																	10.6						1			
	Jimblebar Groundwater SSTV (Golder, 2015)	6.0-8.5	670-1800											0.05						3.1*				0.05		1			
Surface water	Jimblebar Creek Surface water SSTV (BHP, 2018a)	6.0-9.0																								i i			
	Ophthalmia Dam Surface water SSTV (BHP, 2018a)																									i i			
	ANZG (2018) Freshwater 95% toxicant DGVs	6.0-8.0																		10.6						i i			
	ANZECC (2000) Default trigger values for Wetlands	7.5-8.5												0.08									1.15	0.08		i i			
	SPS Average Tailings Blend	8.04	780	208	194	39	1	<1	<1	72	72	25	10	<1	8	107	5.85	< 0.01	< 0.01	0.14	0.14	< 0.1	0.1	< 0.01	< 0.01	1			
	High P2	8.03	772	210	215	40	1	<1	<1	66	66	25	10	<1	8	105	5.31	< 0.01	< 0.01	0.09	0.09	0.1	0.2	< 0.01	< 0.01	1			
	Sample ID	Ag	Al	As	В	Ba	Bc	Bi	Cd	Co	Cr	Cu	Fe	Hg	Mn	Mo	Ni	Pb	Sb	Se	Sr	п	n	Sn			W	Zn	Zr
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
iroundwater	BHP Shovelanna SSTVs (Hydro Geochem Group, 2023)		0.055	0.013 <sup>R</sup>	0.37	0.029			0.001		0.006	0.0014	0.03	0.0006	1.9	0.001	0.074	0.059		0.011								0.054	
	Jimblebar Groundwater SSTV (Golder, 2015)	0.00005	0.055	0.013	0.61	0.01	0.01		0.0002	0.001	0.01	0.01	0.1	0.0006	1.9	0.01	0.011	0.0034	0.001	0.011				0.001				0.024	
Surface water	Jimblebar Creek Surface water SSTV (BHP, 2018a)																												
	Ophthalmia Dam Surface water SSTV (BHP, 2018a)																												
	ANZG (2018) Freshwater 95% toxicant DGVs	0.0005	0.055	0.013	0.94				0.0002		0.001 <sup>C</sup>	0.0014		0.0006	1.9		0.011	0.0034	0.009	0.011		0.0003			0.0005	0.006		0.008	
	ANZECC (2000) Default trigger values for Wetlands																												
	SPS Average Tailings Blend	< 0.0001	< 0.005	< 0.0002	0.05	0.0897	< 0.0001	< 0.00005	<0.00005	< 0.0001	< 0.0002	< 0.0005		< 0.00004			< 0.0005	< 0.0001	< 0.0002	0.0009	0.15	0.00003			0.00007		< 0.001	0.002	< 0.005
	High P2	< 0.0001	< 0.005	0.0003	0.054	0.0937	< 0.0001	< 0.00005	<0.00005	< 0.0001	<0.0002	0.0045		< 0.00004			0.0006	0.0002	< 0.0002	0.001	0.152	0.00004	< 0.0001	<0.0002	0.00008	-0.0000	< 0.001	0.015	< 0.005

tes: O<sub>2</sub> value from ANZECC and ARMCANZ (2000) was erroneous (ANZG, 2018). Therefore has not been adopted in this screening assessment.

Table B.5 - Comparison of Tailings Supernatant Water to Livestock Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Janblebar Beneficiation Project



A = Al value based on pH>6.5 B = As value based on As5+ criteria C = Cr value based on Cr6+ criteria 1151

Table B.6 Comparison of Tailings Supernatant Water Data to Human Health Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project



A = Al value based on pH>6.5 B = As value based on As5+ criteria C = Cr value based on Cr6+ criteria

### Table B.7 - Comparison of In-Pit Water Quality Modelled Data to Ecological Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project

						ngLas CaCO <sub>1</sub>																																		
BIP Shotelana SSTVe (I	Hydro Geechem Group, 202	1)	6.0-8.5		804 <sup>4</sup>			-				88 <sup>8</sup>	0.055		0.013 <sup>D</sup>	0.37	0.029		0.001		0.0014	0.006		0.65	0.0006	1.9	0.001		0.074		0.059	0.011		•		· · ·		•		0
Jashlehar Groundwater SS	STV (BHP, 2018)		6.0-8.5	1.1	430-1150	· .			1.1		1.0	1.0	0.055	0.001	0.013	0.61	0.01	0.01	0.0002	0.001	0.01	0.01		0.1	0.0005	1.9	0.01		0.011	0.05	0.0054	0.011		0.00005	0.001	1.1	1.1	1.1	1.1	
95% species protection gain 2018)	ideline values for theshwater	ecosystems (ANZG,	6.0-5		60-603*			-		1.0			0.055 <sup>c</sup>	0.009	0.013 <sup>D</sup>	0.94		-	0.0002		0.0014	0.001			0.0006	1.9			0.011		0.0034	0.011		0.00005		1.1	0.00003	0.0005	0.006	
Jimblebar Creek Surface wa	vater SSTV (BDP, 2018a)		6.0-9.0		3000			-																																+
Ophthalmia Dam Surface v	water SSTV (IBUP, 2018a)				2000			-																																t
ANZECC (2000) Default p	trigger values for Wetlands		7.5-8.5																									1.13		0.05										t
· · · · ·		Modian	7.8	63	763	95.4	27.8	20.7	114	173.6	263.8	65.8	0.02	0.00001	0.0005	0.11	0.12		0.00000	0.0002	0.0030	0.0000	1.2	0.005	0	0.0348	0.0014	0.14	0.0022		0.00005	0.00397	8.6			0.2	0.000004	0.0002	0.00002	2
	Filling periods	Average	7.8	63	1011	136.5	28.3	41.2	14.6	225.0	355.6	94.5	0.17	0.00003	0.0007	0.13	0.15	0	0.00001	0.0015	0.0035	0.0001	47	0.025	0	0.1306	0.0015	0.50	0.0043		0.00008	0.00397	22.8	0	0	0.2	0.000010	0.0003	0.00006	
De Grey - Base Line		P90	7.6	6.2	1802	72.9	36.8	80.1	25.7	422.7	655.2	175.8	0.56	0.00006	0.0021	0.24	0.25	0	0.00002	0.0045	0.0079	0.0001	10.6	0.055	0	0.1520	0.0029	0.55	0.0093	0	0.00021	0.00650	46.6	0	0	0.4	0.000022	0.0005	0.00015	5
the Girly - Male Line		Median	8.0	6.3	2241	245.0	27.5	\$6.5	36.1	562.0	\$65.3	154.8	0.26	0.00015	0.0025	0.28	0.47	0	0.00001	0.0011	0.0007	0.0000	11.1	0.051	0	0.1743	0.0065	0.56	0.0061		0.000350	0.00773	48.6	0	0	0.7	0.000052	0.0009	0.00000	
	Fallew periods	Average	8.0	6.3	5958	295.9	60.5	168.9	106.8	1742.5	2707.7	690.4	0.46	0.00025	0.0073	0.79	1.33	0	0.00001	0.0016	0.0009	0.0001		0.059	0	0.2531	0.0151	1.39	0.0121		0.00057	0.01485	53.8	0	0	3.0	0.000074	0.0015	0.00001	
		P90	7.7	6.2	19565	215.2	157.9	418.0	381.6	6188.2	9600.7	1918.9	1.07	0.00054	0.0203	2.85	4.84	0	0.00003	0.0035	0.0012	0.0001	15.4	0.107	0	0.5624	0.0549	4.55	0.0427		0.00146	0.04532	69.9	0	0	10.8	0.000172	0.0065	0.00002	
		Median	7.8	63 63	762	96.0 136.6	27.8	20.5	11.4	172.6 225.4	266.3 356.2	65.8 94.2	0.02	0.00001	0.0005	0.11	0.12	0	0.00000	0.0002	0.0027	0.0000	12	0.005	0	0.0348	0.0013	0.14	0.0019		0.00005	0.00379	8.6	0	0	0.2	0.000003		0.00002	
	Filling periods	Average 790	7.8	6.3	1012	136.6	28.3	41.2	14.6	225.4 421.4	356.2 654.3	94.2	0.15	0.00005	0.0007	0.13	0.15	•	0.00001	0.0016	0.00032	0.0001	4.7	0.023	0	0.1223	0.0015	0.50	0.0039		0.00008	0.00377	22.8	0	0	0.2	0.000008	0.0002	0.00005	
De Grey - High Seepage		P90 Modian	7.6	6.2	1/98	244.9	27.3	56.5	36.2	421.4	599.3	1/6.1	0.52	0.00015	0.0022	0.24	0.23		0.00001	0.0005	0.0007	0.0000	10.5	0.040	0	0.1407	0.0055	0.55	0.0073		0.00031	0.00534	40.0	0	-	0.4	0.000016	0.0004	0.00000	
	Falley periods	Average	8.0	63	2238	356.5	27.3	214.8	39.2	2594.5	4033.6	134.2 \$31.4	0.25	0.00015	0.0026	1.15	0.47		0.00002	0.0012	0.0021	0.0001	13.4	0.051	0	0.3151	0.0065	2.00	0.0062		0.00147	0.00767	48.7	-	0	3.3	0.000052	0.0009	0.00007	
	Faster person	790	7.7	62	76000	215.4	250.6	564.5	510.2	\$361.1	13322.8	2789.7	1.30	0.00064	0.0171	3.60	6.19		0.00004	0.0045	0.0014	0.0001	17.1	0.113	0	0.6832	0.0617	6.12	0.0449		0.00218	0.05215	76.6			11.6	0.000199	0.0022	0.00002	
-		Median	7.8	63	223	97.0	27.8	20.3	11.5	173.1	265.4	67.4	0.03	0.00002	0.0005	0.11	012		0.00000	0.0002	0.0040	0.0000	1.2	0.005	0	0.0335	0.0014	0.14	0.0024		0.00005	0.00442	8.7			0.2	0.000004	0.0002	0.00002	
	Filling periods	Average	7.8	6.3	1006	135.8	28.2	41.1	14.6	223.4	353.0	95.0	0.23	0.00003	0.0007	0.13	0.15	0	0.00001	0.0025	0.0044	0.0001	47	0.655	0	0.1526	0.0015	0.50	0.0055		0.00008	0.00450	22.8		0	0.2	0.000013	0.0003	0.00005	
De Grey -Climate		190	75	6.2	1584	72.6	36.1	80.4	23.3	350.6	550.7	177.0	1.17	0.00006	0.0019	0.23	0.24	0	0.00003	0.0066	0.0095	0.0002	10.5	0.099	0	0.2997	0.0027	0.34	0.0153	0	0.00019	0.00681	46.6	0	0	0.4	0.000035	0.0005	0.00021	1
Change		Median	8.0	63	2227	246.0	27.8	\$7.4	36.1	556.3	\$60.3	182.0	0.25	0.00017	0.0025	0.28	0.47	0	0.00001	0.0011	0.0006	0.0000	11.1	0.049	0	0.1728	0.0066	0.55	0.0060	0	0.00028	0.00762	48.5	0	0	0.7	0.000051	0.0009	0.00000	5
	Fallew periods	Average	8.0	- 63	5514	293.9	56.0	154.9	98.9	1608.9	2499.5	532.9	0.43	0.00024	0.0072	0.73	1.24	0	0.00001	0.0016	0.0009	0.0001	12.1	0.059	0	0.2495	0.0140	1.50	0.0114	0	0.00053	0.01393	53.5	0	0	3.1	0.000073	0.0017	0.00001	Л
		P90	7.8	6.2	16420	214.1	154.7	352.6	322.0	5192.0	8049.6	1619.4	0.54	0.00045	0.0168	2.41	4.05	0	0.00002	0.0032	0.0013	0.0001	14.6	0.057	0	0.4913	0.0458	4.01	0.0335	٥	0.00122	0.03437	64.9	0	0	10.5	0.000154	0.0054	0.00002	Л
		Modian	7.8	63	\$10	105.3	35.1	18.3	11.5	179.1	283.4	64.0	0.01	0.00001	0.0009	0.10	0.13	0	0.00000	0.0001	0.0002	0.0000	1.4	0.004	0	0.0171	0.0012	0.15	0.0010	0	0.00009	0.00145	10.5	0	0	0.2	0.000001		0.00001	Л
	Filling periods	Average	7.8	6.3	1209	120.6	37.3	31.6	19.0	305.1	477.1	104.4	0.02	0.00001	0.0041	0.17	0.22	0	0.00000	0.0001	0.0005	0.0000	3.3	0.009	0	0.0213	0.0015	0.24	0.0017		0.00016	0.00239	23.2	0	0	0.3	0.000007	0.0002	0.00002	
Swan - Base Line		P90	7.7	6.2	1588	73.9	50.3	56.5	25.1	371.0	615.5	138.8	0.05	0.00002	0.0091	0.21	0.32	0	0.00000	0.0002	0.0006	0.0001	8.1	0.015	0	0.0427	0.0025	0.55	0.0031		0.00026	0.00334	45.9	0	0	0.4	0.000014		0.00004	
		Modian	7.8	6.4	1538	148.6	47.6	38.4	24.3	384.1	594.6	124.2	90.0	0.00005	0.0101	0.19	0.33	0	0.00000	0.0003	0.0000	0.0000	6.1	0.040	0	0.0599	0.0031	0.45	0.0042		0.00027	0.00415	46.4	0	0	0.4	0.000033	0.0005	0.00001	
	Fallew periods	Average	7.8	6.4	3704	214.6	62.8	\$6.3	64.3	1063.2	1653.1	325.3	0.10	0.00006	0.0149	0.46	0.50	0	0.00000	0.0003	0.0002	0.0000	8.1	0.040	0	0.0645	0.0065	0.59	0.0074		0.00072	0.00912	49.9	0	0	13	0.000039	0.0007	0.00001	
		P90	7.7	6.2	9683	105.2	118.7	216.0	174.4	2957.6	4605.8	\$75.6	0.15	0.00010	0.0249	1.20	2.10	0	0.00000	0.0006	0.0004	0.0000	13.1	0.064	0	0.09%0	0.0163		0.0158		0.00138	0.02120	59.7	0	0	3.3	0.000070	0.0015	0.00002	
		Modian	7.8	6.3	803	104.8	33.5	18.2	113	177.7		63.1	0.01	0.00001		0.10	0.13	•	0.00000	0.0001	0.0002	0.0000	1.4	0.004	0	0.0171	0.0012	0.14	0.0010		0.00009	0.00146	10.3		0	0.2	0.000002		0.00001	
	Filling periods	Average 199	7.8	6.3	1228	123.8	37.1	33.8 64.7	19.2 26.0	305.1 402.2	451.7 627.2	109.5	0.02	0.00001	0.0035	0.18	0.21		000000	0.0001	0.0004	0.0000	3.5	0.005	0	0.0201	0.0015	0.23	0.0017		0.00016	0.00228	23.3 46.0	0	0	0.3	0.000006		0.00003	
Swan - High Scepage		Median	7.8	6.4	1099	147.6	48.5	40.6	25.6	402.2	635.6	142.6	0.05	0.00002	0.0101	0.12	0.01		000010	0.0002	0.0000	0.0001	5.8	0.017	0	0.0601	0.0011	0.45	0.0041		0.00025	0.00404	46.4	0	0	0.5	0.000014	0.0005	0.00001	
	Falley periods	Average	7.8	6.4	400	234.9	73.9	101.3	89.2	1333.5	2074.0	414.9	0.10	0.00005	0.0101	0.57	0.00		6.00000	0.0004	0.0002	0.0000	8.4	0.041	0	0.0594	0.0051	1.05	0.0097		0.00092	0.01071	51.8	0		1.5	0.000043	0.0000	0.00001	
	ranne persees	P90	7.8	6.4	40.51		123.2	241.1	195.9	3305.7	5144.5	254.9	0.10	0.00011	0.0210	1.36	2.15		000010	0.0007	0.0005	0.0000	13.5	0.064	0	0.1075	0.0051	2.50	0.0185		0.00174	0.02455	51.8			47	0.000043	0.0009	0.00002	
		Median	7.8	6.3	\$15	106.6	35.3	18.3	11.7	175.9	252.9	64.7	0.01	0.00001	0.000.5	0.11	0.13		0.00000	0.0001	0.0002	0.0000	13	0.004	0	0.0179	0.0012	0.15	0.0010		0.00009	0.00145	10.1	0		0.2	0.000001	0.0001	0.00002	
	Filling periods	Average	7.8	6.4	1172	117.1	37.5	29.9	183	294.8	461.1	101.2	0.02	0.00001	0.0043	0.16	0.21		0.00000	0.0001	0.0005	0.0000	3.2	0.009	0	0.0213	0.0015	0.23	0.0017		0.00015	0.00238	23.1		0	0.3	0.000007	0.0002	0.00003	a t
	in the primes	790	7.7	6.2	1568	75.2	50.0	48.9	24.8	368.8	611.9	125.5	0.05	0.00003	0.0102	0.10	0.31		0.00000	0.0002	0.0007	0.0001	6.2	0.019	0	0.0409	0.0025	0.55	0.0010		0.00022	0.00335	45.9	0		0.4	0.000015			
Swan-Climate Change		Median	7.8	6.4	1588	149.3	48.2	40.0	25.2	398.2	615.1	127.4	90.0	0.00005	0.0093	0.15	0.33	0	000000	0.0003	0.0000	0.0000	5.8	0.040	0	0.0615	0.0030	0.44	0.0041	0	0.00027	0.00406	46.3	0	0	0.5	0.000033	0.0005	0.00001	7
1 1	Falley pecieds	Average	7.8	6.4	3521	209.8	60.9	\$2.6	60.5	1004.5	1562.2	307.9	90.0	0.00005	0.0139	0.44	0.76	0	0.00000	0.0003	0.0002	0.0000	7.9	0.039	0	0.0630	0.0063	0.85	0.0071	0	0.00066	0.00568	49.4	0	0	1.2	0.000035	0.0007	0.00001	đ
						107.6	110.7	229.6	177.1	3005.0	4679.7	\$\$9.2		0.00009		1.22			0.00000	0.0006			13.1					218			0.00145		58.5					0.0019	0.00002	

Ar TOS INT included. If a cumular TS ang a special cumum factor (12) 1 - Anguate (1), 100 - An Anguate (1), 100 - An Anguate (1), 100 - Anguate (

Table B.8 Comparison of In-Pit Water Quality Modelled Data to Livestock Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project

																												Total Nitrogen												Zn
						ngLas CaCO <sub>1</sub>																																		mg/L
ANZECC 2000 Livestock I	lrinking Water Trigger Va	dae (low risk)	1	1.	4000	1	1000	1	1	1	1	1000	3	- ÷	0.5	5	1	- ÷	0.01	1	0.4	1	2.0	1	0.002	1	0.15	1	1	1	0.1	0.02			1	1	1	0.2	1.1	20
		Median	7.8	6.3	763	96.4	28	20.7	11.4	173.6	283.8	66	0.02	0.00001	0.0005	0.11	0.12	0	0.00000		0.0030	0.0000	1.2	0.005	0	0.0348	0.0014	0.14	0.0022		0.00005	0.00397	8.6	0	0		0.000004		0.00002	0.021
	Filling periods	Average	7.8	6.3	1011	136.5	28	41.2	14.6	225.0	355.6	94	0.17	0.00015	0.0007	0.13	0.15	0	0.00001		0.0035	0.0001	4.7	0.626	0	0.1306	0.0016		0.0043		0.00008	0.00397	22.8	0	0	0.2	0.000010		0.00006	0.029
De Grey - Base Line		790	7.6	6.2	1802	72.9	37	80.1	25.7	422.7	656.2	176	0.86	0.00006	0.0021	0.24	0.28	0	0.00002	0.0048	0.0079	0.0001	32.6	0.056	0	0.1820	0.0029	0.58	0.0093	0	0.00021	0.00650	46.6	0	0	0.4	0.000022	0.00046	0.00015	0.060
		Median	8.0	6.3	2241	245.0	27	86.5	36.1	562.0	865.3	185	0.26	0.00018	0.0025	0.28	0.47	0	0.00001	0.0011	0.0007	0.0000	11.1	0.051	0	0.1743	0.0065	0.56	0.0061	0	0.00030	0.00773	48.6	0	0	0.7	0.000052		0.00000	0.078
	Fallow periods	Average	8.0	6.3	59.58	298.9	61	168.9	106.8	1742.5	2707.7	600	0.46	0.00025	0.0073	0.79	1.33	0	0.00001	0.0016	0.0009	0.0001	12.2	0.059	0	0.2531	0.0151	1.39	0.0121	0	0.00057	0.01485	53.8	0	0	3.0	0.000074		0.00001	0.171
		790	7.7	6.2	29565	215.2	158	418.0	381.6	6188.2	9660.7	1919	1.07	0.00054	0.0203	2.85	4.84	0	0.00015	0.0038	0.0012	0.0001	15.4	0.107	0	0.5624	0.0549	4.86	0.0427		0.00146	0.04532	69.9	0	0	10.8			0.00002	0.519
		Median	7.8	6.3	762	96.0	28	20.5	11.4	172.6	286.3	66	0.02	0.00001	0.0005	0.11	0.12	0	0.00000	0.0002	0.0027	0.0000	1.2	0.005	0	0.0348	0.0013	0.14	0.0019	0	0.00005	0.00379	8.6	0	0		0.000003		0.00002	0.009
	Filling periods	Average	7.8	6.3	1012	136.6	28	41.2	14.6	225.4	356.2	94	0.15	0.00015	0.0007	0.13	0.15	0	0.00001	0.0016	0.0032	0.0001	4.7	0.623	0	0.1223	0.0016	0.50	0.0039	0	0.00008	0.00377	22.8	0	0	0.2			0.00005	0.629
De Grey - High Seepage		290	7.6	6.2	1798	72.9	36	80.3	25.6	421.4	654.3	176	0.52	0.00006	0.0022	0.24	0.28	0	0.00001	0.0035	0.0069	0.0001	30.6	0.040	0	0.1407	0.0029	0.38	0.0073	0	0.00022	0.00634	46.6	0	0	0.4	0.000016		0.00010	0.061
and any improvements		Median	8.0	6.3	2238	244.9	27	86.8	36.2	556.7	859.3	184	0.26	0.00018	0.0026	0.28	0.47	0	0.00001	0.0012	0.0007	0.0000	11.1	0.051	0	0.1739	0.0065	0.56	0.0062		0.00031	0.00767	48.7	0	0	0.7	0.000052	0.00037	0.00000	0.079
	Fallew periods	Average	8.0	6.3	8585	356.5	87	214.8	157.6	2594.5	4033.6	\$31	0.48	0.00032	0.0179	1.15	1.94	0	0.00002	0.0021	0.0021	0.0001	3.4	0.067	0	0.3151	0.0203	2.00	0.0168		0.00147	0.02146	59.3	0	0	3.3			0.00007	0.262
		790	7.7	6.2	28009	215.4	251	564.5	510.2	8561.1	13322.8	2710	1.30	0.00054	0.0323	3.60	6.19	0	0.00004	0.0048	0.0014	0.0001	17.1	0.113	0	0.6832	0.0612	6.32	0.0449		0.00218	0.05215	76.6	0	0		0.000199		0.00022	0.718
		Median	7.8	6.3	773	97.0	28	20.3	11.5	173.1	286.4	67	0.03	0.00002	0.0008	0.11	0.12	0	0.00000	0.0002	0.0040	0.0000	1.2	0.005	0	0.0335	0.0014	0.14	0.0024		0.00005	0.00442	8.7	0	0	0.2			0.00002	0.624
	Filling periods	Average	7.8	6.3	1006	135.8	28	41.1	14.6	223.4	353.0	95	0.23	0.00015	0.0007	0.13	0.15	0	0.00001	0.0025	0.0044	0.0001	4.7	0.035	0	0.1526	0.0016	0.50	0.0055		0.00008	0.00450	22.8	0	0		0.000013	0.00028	0.00008	0.032
De Grey -Climate		290	7.5	6.2	1584	72.6	36	80.4	23.3	350.6	550.7	177	1.17	0.00006	0.0019	0.23	0.24	0	0.00015	0.0066	0.0095	0.0002	22.5	0.099	0	0.2997	0.0027	0.34	0.0153		0.00019	0.00681	46.6	0	0	0.4			0.00021	0.063
Change		Median	8.0	6.3	22.27	246.0	28	87.4	36.1	556.3	860.3	182	0.25	0.00017	0.0025	0.28	0.47	0	0.00001	0.0011	0.0006	0.0000	11.1	0.049	0	0.1728	0.0066	0.56	0.0050		0.00028	0.00762	48.5	0	0		0.000051		0.00000	0.078
	Fallew periods	Average	8.0	6.3	5514	293.9	56	154.9	98.9	1608.9	2499.5	533	0.43	0.00024	0.0072	0.73	1.24	0	0.00001	0.0016	0.0009	0.0001	12.1	0.059	0	0.2495	0.0140	1.30	0.0114		0.00053	0.01393	53.5	0	0	3.1			0.00001	0.158
		P90	7.8	6.2	36420	214.1	155	352.6	322.0	5192.0	\$049.6	1619	0.84	0.00048	0.0168	2.41	4.08	0	0.00002	0.0032	0.0013	0.0001	14.6	0.087	0	0.4913	0.0458	4.01	0.0535		0.00122	0.03437	64.9	0	0	30.5			0.00022	0.424
		Median	7.8	6.3	810	105.3	35	18.3	11.5	179.1	283.4	64	0.01	0.00001	0.0019	0.10	0.13	0	0.00000		0.0002	0.0000	1.4	0.004	0	0.0171	0.0012	0.15	0.0010	0		0.00145	10.5	0	0	0.2			0.00001	0.007
	Filling periods	Average	7.8	6.3	1209	120.6	37	31.6	19.0	305.1	477.1	104	0.02	0.00001	0.0041	0.17	0.22	0	0.00000	0.0001	0.0003	0.0000	23	0.009	0	0.0213	0.0018	0.24	0.0017	0	0.00016	0.00239	23.2	0	0	0.3		0.00021	0.00002	0.034
Swan - Base Line		290	7.7	6.2	1588	73.9	50	56.5	25.1	371.0	615.5	139	0.05	0.000022	0.0091	0.21	0.32	0	0.00000	0.0002	0.0006	0.0001	K1	0.018	0	0.0427	0.0026	0.58	0.0031		0.00026	0.00334	45.9	0	0	0.4	0.000014		0.00004	0.654
		Median	7.8	6.4	1538	148.6	48	38.4	24.3	384.1	594.6		0.09	0.00005	0.0101	0.19	0.33	0	0.00000	0.0003	0.0001	0.0000	6.1		0	0.0599	0.0031	0.45	0.0042		0.00027	0.00415	46.4	0	0	0.4	0.000033		0.00001	0.067
	Fallow periods	Average P90	7.8	6.4	3704	214.6	63	86.3	64.3	1063.2	1653.1	325	0.10	0.00006	0.0149	0.46	0.80	0			0.0002	0.0000	81	0.040	0	0.0645	0.0066	0.89	0.0074		0.00072	0.00912	49.9	0	0	13		0.00074	0.00001	0.141
			7.7	6.2	96.83	108.2	119 33	216.0	174.4	2987.6	4605.8 279.9	876	0.15	0.00010	0.0249	0.10	2.10	0	0.00000	0.0006	0.0004	0.0000	13.1	0.064	0	0.09980	0.0163	2.16	0.0158		0.00138	0.02130	59.7 10.3	0	0	3.3		0.00184	0.00002	0.322
		Median				104.8	3.5						0.01			0.10		0	0.00000				1.4	0.008				0.14					23.3	0	0		0.000002		0.00001	0.007
	Filling periods	Average	7.8	6.3	12.28		50	33.8	19.2	308.1	481.7	109		0.00001	0.0035		0.21	0	0.00000	0.0001	0.0004	0.0000	3.5		0	0.0201	0.0018		0.0017		0.00016	0.00228		0	0	0.3			0.00003	
Swan - High Scepage		P90 Median	7.7	6.2	1698	73.9	50	64.7 40.6	26.0 25.6	402.2	627.2	143	0.05	0.00002	0.0081	0.22	0.31	0	0.00000	0.0002	0.0007	0.0001	9,9	0.017	0	0.0424	0.0026	0.36	0.0030		0.00030	0.00326	46.0	0	0	0.5	0.000014		0.00004	0.657
					1014													0					3.8	0.040								0.00404		0	0					
	Fallow periods	Average P90	7.8	6.4	4851	234.9	74	201.3 241.1	80.2 195.9	1333.5 3305.7	2074.0	405	0.10	0.00006	0.0178	0.57	0.99	0	0.00000	0.0004	0.0002	0.0000	8.4	0.041	0	0.0694	0.0081	2.50	0.0087		0.00092	0.01071	51.8	0	0	1.5		0.00091	0.00001	0.170
		Median			22768													0					13.5		0							0.00148		-	0					
			7.8	6.3	81.5	105.6	35	18.3	11.7	175.9	282.9	65	0.01	0.00001	0.0018	0.11	0.13	0	0.00000	0.0001	0.0002	0.0000	1.5	0.004		0.0179	0.0012	0.15	0.0010		0.00009	0.00148	10.1	0	0		0.000001		0.00002	0.007
	Filling periods	Average P90	7.8	6.4	1172	117.1	50	29.9 48.9	18.3	294.8 368.8	461.1 611.9	101	0.02	0.00001	0.0043	0.16	0.21	0	0.00000	0.0001	0.0003	0.0000	3.2	0.009		0.0213 0.0409	0.0018	0.23	0.0017		0.00015	0.00238	23.1 45.9	0	0	0.3	0.000007	0.00020	0.00003	0.052
Swan-Climate Change																		0					6.2											0	0					
		Median	7.8	6.4	1588	149.3	48	40.0	25.2	398.2	618.1	127	0.09	0.00005	0.0093	0.18	0.33	0	0.00000		0.0001	0.0000	2.8	0.040		0.0618	0.0030	0.44	0.0041		0.00027	0.00406	46.3	0	0	0.5	0.000033		0.00001	0.067
	Fallow periods	Average	7.8	6.4	3521	209.8	61	82.6	60.8	1004.8	1562.2	308	0.09	0.00025	0.0139	0.44	0.76	0	0.00000	0.0003	0.0002	0.0000	7.9	0.039	0	0.0630	0.0063	0.85	0.0071	0	0.00066	0.00868	49.4	0	0	1.2	0.000038	0.00070	0.00001	0.134
		790	- 7.7	6.2	9631	107.6	1 10	220.6	1/7.1	3005.0	4679.7	889	0.14	0.00009	0.0246	1.22	2.13	0	0.00030	0.0006	0.0005	0.0000	0.1	0.059	e e	0.0945	0.0166	2.18	0.0161	9	0.00148	0.02240	38.5	0	0	3.4	0.000667	0.00187	0.00002	0.310

Table 8.9 Comparison of In-Fit Water Quality Modelled Bata to Human Health Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimbleher Resulticiation Projec

	DWG Baskis (2011, spda	wd 2922)		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	6.000	0.65	4	2	0.06	0.002	1.0	1.1	0.55	13	1.0	0.001	0.3	6.00	1.0	682	1.0	0.01	0.81	1.0	6.1	1.1	1.1	1.1	6.02	1.1	1.0
	127913 Antibetian (2011, sp	piloted 2022)		63.63	1.0	600	200	1.0	1.0	1.0	180	299	250		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.3	1.0	61	1.0	1.1	10		1.0	1.1	1.			1.0	1.0			- 1
	ADWG Health (2011, updat a 10 for incorposited	ind 2022)		63-83		600	200			1.0	1310	210	230		6.03	6.1	40	20	0.60	0.82		20	0.3	13	0.3	0.81	6.1	6.3		0.2		0.1	0.1					1.0	0.2		3
- 1			Molan	11	41	201		74			174	244		0.07	0.00001	4.00	0.11	6.12		connec.	0.0007	10000	0.30000	1.2	6.003		441	1004	8.14	0.0077		0.30000	6.0040	7.6			0.2	0.000004	000017	0.000277	1471
		Filling periods	Avenue	2.8	6.2	180	126	28	40	13	22.5	236	- 11	0.17	0.00003	0.00	0.13	6.13		CONTROL	0003	6.0010	0.30007	4.7	6.629		0.13	60008	6.30	0.3041		0.30008	6.0040	22.8			0.2	0.30000.0	000026	0.000079	6.629
	De Gree - Beer Line		710	7.6	6.2	1802	72	32	30	28	63	426	126	0.86	0.00006	6.00	0.24	0.28		0000818	00048	6.0079	0.30003	22.6	6.676		0.18	6.0029	6.38	0.3041		0.00021	6.0083	41.4		0	0.4	0.300022	000046	0.000348	6.040
	De Crey : Base Line		Median	8.0	6.3	2241	243	27	87	26	362	36.5	183	0.26	0.00018	6.00	0.28	0.67		GOORDON	60011	6.0007	0.30004	11.1	6611		0.17	64063	6.36	0.001		0.30633	6.0077	48.6		0	0.7	0.300072	60000KK	0.000081	6475
		Faller periods	Average	8.0	6.3	3438	299	44	149	107	1742	2708	600	0.66	0.00023	6.01	0.79	1.33		6000E12	60036	6.0009	6.30005	12.2	6479		0.23	64131	1.39	0.0021		0.00877	6.0589	33.8		0	3.0	0.300074	600131	0.000011	6171
			240	3.7	6.2	19368	213	118	418	382	6233	9461	2919	107	0.00034	642	2.83	4.86		G000829	600.38	6.0002	6/30002	13.4	6.007		0.56	64141	436	03627		0.00144	6003	459		0	10.8	0000172	6.00877	0.80000.6	0.319
_ E			Median	7.8	- 43	762	2	28	21	11	173	286	- 44	0.32	0.00001	0.00	0.11	6.12		60000002	60062	6.6027	6-30003	1.2	6.003		933	6.0003	614	0.3079	0	0.30005	6-0655	Xá	0				6000EK	0.000621	
		Filling periods	Average	7.8	4.3	1612	137	28	41	13	225	336	91	0.13	0.00003	0.00	0.13	6.13		6000007	60034	6.6012	0.30006	4.7	6423		0.12	6.0004	6.30	0.3079		0.30006	£-065X	22.8			0.2	0.300308	600623	0.000033	6.629
	Dr Grey - High Norpage		710	7.6	6.2	1700	73	36	30	26	421	434	176	0.32	0.00006	6.00	0.24	0.28		0000814	600.13	6.0067	0.000001	13.6	6.643		0.14	6.0029	6.38	0.3073		0.30822	6-0083	46.6			0.4	0.300002.8		0.000351	
i			Molas	8.0	4.3	22.88	243	27	87	34	33.7	129	184	0.26	0.00018	6.00	0.28	0.67	•	6000613	60012	6.0007	6.30001	11.1	6.611	0	0.17	6.0063	6.36	0.3062		0.30811	6-0077	48.7	•	0	0.7	0.300072	600EX7	0.000081	
		Fallen periods	Average	8.0	4.3	1333	337	32	213	158	2994	4014	331	0.68	0.00032	642	1.13	1.80	•	0000018	60021	6.0021	6.30007	13.4	6.667		0.32	64293	2.00	0.25.88		0.00147	6.0013	29.3	•	•			600230	0.000072	
			710	3.7	6.2	28000	213	231	343	310	8344	13923	2710	1.30	0.00064	643	3.60	6.28		6000843	60041	6.0004	0.30004	17.1	6113	- 0	0.68	66612	6.32	0.3149		0.06218	6.6021	366	0		11.6	0.000199	6.00729	0.800024	
			Median	2.8	6.3	773	97	28	20	12	179	286	42	0.33	0.00002	0.00	0.11	6.12		0000002	60062	0003	0.30004	1.2	£.003		033	6.0004	6.14	0.0024		0.30009	6.0044	8.2		· · ·	0.2	0.300004		0.000621	
		Filling periods	Average	2.8	6.3	1006		28	41	15	223	33.3	90	0.23	0.00003	0.00	0.13	0.15		0000811		10003	0.30039	4.7	6.613		0.13	8220.3	6.30	0.3033		0.30008	6.0061	22.8				0.30000.3			
	Dr Grey Climate		710	2.3	6.2	1380	73	36	80	23	391	391	177	117	0.00006	6.00	0.23	0.21		6000E12	00018	6.0010	0.30023	11.3	6.099		0.30	6.0027	6.34	0.0033		0.00019	6.0008	46.6			3.0	0.300018	00004K	0.000211	6.063
	Change		Molas	8.0	6.3	2227	206	28	37	26	356	NO	182	0.23	0.00017	6.00	0.28	0.6*		6000007	60911	6.0006	0.30001	11.1	6.009		0.17	6.0064	6.36	0.3060		0.30828	6.00%	41.5				0.300001	600EKK	0.000081	
		Fallen periods	Average	8.0	4.3	3314	294	36	133	- 11	2408	2419	313	0.43	0.00024	6.05	0.73	1.24	•	6000813	60036	6.0003	6-30005	12.1	6479	- 0	0.23	64140	1.30	0.0014	- 0	0.00813	6.0031	33.3		- <b>-</b>	3.1	0.300073	600112	0.000000	
			240	7.8	4.2	16430	214	133	333	322	3292	8050	342.9	0.84	0.00048	642	2.41	4.00	•	6000821	60032	6.0003	6-30003	14.4	6487	- 0	0.01	66418	441	0.0111	- 0	0.00122	6.0014	64.9		<u> </u>	20.3	0000114	6.00341	0.00002.6	
			Molan	7.8	4.3	810	103	33	18	12	179	213	- 44	0.31	0.00001	0.00	0.10	6.13		6000000	60000	6.6002	6-30003	1.4	6.004	- 0	0.02	6.0002	6.13	0-30100	- 0	0.30009	6-0013	00.3			0.2	0.300001	600014	0.000014	
		Filing periods	Average	7.8	4.3	1200	121	37	32	19	305	417	394	0.02	0.00011	6.00	0.17	0.22	•	6000000	10000	6.0001	6-30003	- 1.3	6.009	- 0	0.02	6.0053	6.24	0.3017	•	0.30514	6-0624	21.2	<u> </u>	ليشم	0.3	0.300007	600621	0.000029	
	Sum: East line		710	3.7	4.2	1338	74	30	37	23	371	806	139	0.33	0.00012	6.01	0.21	0.32	•	6000000	60062	6.0006	6-3000h	×1	8.058	- 0	034	6.0004	6.38	0.3031	•	0.30826	6-0613	41.9	<u> </u>	ليشم	0.4	0.30000.4		0.0000233	
			Median	7.8	4.4	13.58	149	48	38	24	384	263	124	0.31	0.00005	661	0.19	0.33	•	6000000	60001	2000.3	0.30000	-61	6.643		0.36	6.0001	6.41	0.3042		0.30827	6-0042	41.4	<u> </u>	<u></u>	0.4	0.300003	600613	0.000006	6.667
		Fallen periods	Average PRD	7.8	0.2	3156	213	4.5	210	124				0.10	0.00006	661	0.66	6.85		COORDEC	0.0003		6-30002	X.1	6.043		0.06	6.0563	2.10	0.0074		0.30112	6-0041	293	<u> </u>	<u> </u>	1.3				
- H			Noise	2.5	4.2	9633	108	119	206	154	2118	20	375	0.01	0.00030	9.00	0.10	0.13	-	COORDOC	00008	6.0001	6.30000	14	5.001	-	0.10	6.0002	2.16	0.3032		0.300.09	6-0013	997 10.3	<u> </u>	<u> </u>	0.2	0.300070	0001M	0.000621	6.322
		Filler syrinds	Acesses	7.8	6.7	1228	124	17	- 18	17	308	02	127	932	0.0001	5.00	0.10	0.23	- ÷	0000000	00005	6.0001	0.30000	1.4	6.004	-	0.02	6.0003	0.21	0.3017		0.30514	6.0621	23.3	<u> </u>		0.3	0.300000		0.000028	
		A multiple and	710	1.8	0.2	10.05	24	30		28	402	67.7	167	0.02	0.00012	0.00	9.22	0.35	- ÷	0000000	0.0002	6.0007	0.30000	1.0	6617	-	024	6.0008	6.35	0.3030		0.30813	0.0001	41.0	<u> </u>	<u> </u>	0.3	0.30000.4		0.000023	
	Seas - High Surpage		Molan	28	8.4	1010	10			20	417	847	129	0.07	0.00001	111	0.19	0.32		0000000	00061	1000	0.30000		6.042		0.01	6.0001	6.01	0.3041		0.00028	6.0080	41.5	<u> </u>	<u> </u>	0.3	0.300001	000014	0.000017	6.047
		Faller periods	Acesses	28	0.4	6771	210	24	101	- 10	11.2	2014	400	0.04	0.00001		0.17	0.03		0000000	00004	6.0002	0.30002	7.4	0.041		0.07	6.0081	148	0.3097	-	0.30012	6.0047	21.8	<u> </u>	<u> </u>	1.2	0.300013	000015	0.000011	
		rane press	790	14	0.2	1070	100	123	261	170	1000	2010	10.0	0.10	0.00000	0.01	1.26	0.99		0000000	00001	10000	0.30002	11.1	0.044		0.11	64481	2.50	0.0037	-	0.00174	6.0000	864		÷	47	0.000001	000214	0.000622	
- H			Pile	28	6.2	22.00	107	143	18	178	179	701	- 45	0.01	0.00011	9.00	0.11	0.13		0000000	00001	6.0000	0.30000	113	5.001		0.02	6.0002	613	0.000	-	0.30003	6.0001	20.1	<u> </u>	ليني		0.300001	000014		
		Filler syrinds	Molan	28	8.5	11170	117	17	18	14	1/5	- 41	101	932	0.00001	5.00	0.11	0.23		0.0000000	00005	10000	0.30001	1.1	6.009		932	6.0003	623	0.3017	-	0.30813	0.0024	21.1	<u> </u>	<u> </u>		0.300007	000013	0.000526	
		· · · · · · · · · · · · · · · · · · ·	Average PR0	7.8	6.2	1114	- 107	30		- 10	201	412	129	932	0.00011	- 10	9,18	0.35	-	0000000	0.0007	1000	0.3000		6617		934	6.0026	6.38	0.0017		0.30822	6.003	413		<u> </u>		0.30000.3	000620	3.000023	
	Swan (Climate Change		Nolar	11	84	1702	10			- 13	100	112	127	0.00	0.00001	1.01	0.18	0.10		0000000	00000	1000	0.30007		6643		0.04	1000	0.44	0.001	-	COMPT 1	6.0041	413		÷	0.5	0.300003	000627	0.000006	
_		Faller periods	Acesses	74	0.4	10.00	110			41	1000	1967	127	0.01	0.00001	111	0.04	0.35		COORDER	00003	60000	0.30000	2.4	6679		0.04	6000	643	0.0011	-	0.30564	6.007	41.1	$\rightarrow$	r –	12	0.00000			
_		rane press	710	11	47	3541	100		111	111	2003	1.054		0.04	0.00000		1.11	0.4		COORECC	00005	60000	0.30002		6433		0.00	20043	117	0.001	-	0.30145	10047	11.1	$\rightarrow$	r –	14	0.000007			6110
				11	8.4	70.74	1 10		441	177	3003		10.5	9.15	0.0000	114	144	4.65		COMMENT	LIUGHE	1000	0.0000		1017		9.01		244	0.001		Califier	10001	14.1			- 14	- Calora		0.000000	1 6/1

### Table B.10 - Comparison of Downstream Water Quality Modelled Data to Screening Criteria

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project

																											Total Nitrogen									
							mpLas CaCO <sub>1</sub>																													
s	hovelana SSTVs (HGG, 20	23)		6.0-8.5		804.00							88.00	0.06	0.001	0.01	0.37	0.03	0.001	0.001	0.001	0.01		0.03	1.90	0.001		0.07	0.06	0.01						1
(and G	older (2015)			6.0-8.5		1150.00								0.06	0.001	0.01	0.61	0.01	0.0002	0.001	0.01	0.01		0.10	1.90	0.01		0.01	0.003	0.01	-		1.1			ſ
D	rinking water guidelines he	alth (ADWG, 2011)				600.00	200.00		-		180.00	250.00	250.00	-	0.003	0.01	4.00	2.00	0.002		2.00	0.05	1.50	0.30	0.50	0.05		0.02	0.01	0.01	-		1.1	0.02		ī
-			Median	7.6	4.8	739	211	45	56	13	79	170	27	0	0	0	0.21	0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	83	0	0	0	0	-
		Initial Condition	Average		4.8	239		45	56	13	79	170	27	0	0			0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	83		0	0	0	-
			P90	7.6	4.8	739	211	45	56	13	79	170	27	0	0	0	0.21	0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	8.3	0	0	0	0	-
			Median	7.6	4.8	738	206	45	53	13	86	177	75	0.0003	1.32E-07	0.0001	0.20	0.035	0	1.02E-06	4.97E-06	9.73E-08	0.4	0.001	0.0014	0.0001	0.2318	4.19E-05	0.00000	0.00010	8.3	0.014	3.63E-08	0.00001	0	-
	NCCS - Base Seepage	First Filling Scepage	Average	7.6	4.8	740	205	45	53	13	86	177	75	0.0005	2.15E-07	0.0001	0.20	0.035	0	1.57E-06	1.58E-05	1.18E-07	0.4	0.001	0.0011	0.0001	0.2314	4.42E-05	0.00000	0.00010	8.5	0.015	1.12E-07	0.00001	0	7
			P90	7.6	4.9	748	202	46	54	13	88	179	27	0.0012	4.61E-07	0.0001	0.20	0.038	0	2.99E-06	4.32E-05	2.65E-07	0.5	0.001	0.0020	0.0001	0.2369	8.24E-05	0.00001	0.00014	8.9	0.020	3.29E-07	0.00001	0	1
	1		Median	7.6	4.8	747	209	45	55	13	84	175	27	0.0014	7.28E-07	0.0001	0.21	0.033	0	4.38E-06	2.04E-06	8.00E-08	0.4	0.001	0.0009	0.0001	0.2409	6.98E-05	0.00000	0.00008	9.0	0.008	4.59E-07	0.00001	0	1
		Sustained Seepage	Average	7.6	4.8	754	210	45	55	13	86	179	78	0.0013	7.15E-07	0.0001	0.21	0.034	0	4.48E-06	2.44E-06	8.53E-08	0.4	0.001	0.0008	0.0001	0.2418	7.72E-05	0.00000	0.00009	8.9	0.011	4.54E-07	0.00001	0	-
			P90	7.6	4.8	734	208	45	56	13	93	189	80	0.0024	1.33E-06	0.0002	0.21	0.039	0	8.20E-06	4.35E-06	1.36E-07	0.5	0.001	0.0016	0.0001	0.2465	1.22E-04	0.00001	0.00014	9.2	0.019	9.17E-07	0.00001	0	_
- Г			Median	7.6	4.8	739	211	45	56	13	79	170	27	0	0	0	0.21	0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	8.3	0	0	0	0	-
		Initial Condition	Average	7.6	4.8	739	211	45	56	13	79	170	27	0	0	0	0.21	0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	8.3	0	0	0	0	
				7.6	4.8	739	211	45	56	13	79	170	27	0	0	0	0.21	0.028	0	0	0	0	0.3	0.001	0	0	0.2410	0	0	0	8.3	0	0	0	0	
				7.6	4.9	739	202	46	50	13	90	181	74	0.0004	2.38E-07		0.19	0.039	0	1.57E-06		1.76E-07	0.4	0.001	0.0019	0.0001			0.00001	0.00015	8.3	0.022	7.49E-08		0	_
	NCCS - High Seepage	First Filling Scepage				744		46		13	90								0										0.00001						0	
				7.6	4.9	761	198	46	54	13	94	186							0						0.0034				0.00001		9.9				0	
																			0																0	_
		Sustained Seepage																	0										0.00001	0.00018	9.3				0	_
															2.47E-06	0.0004			0	1.50E-05	8.60E-06	2.54E-07			0.0028	0.0002			0.00001	0.00034	9.8	0.051	1.65E-06	0.00003	0	_
															0	0			0	0	0	0			0	0		v	0	0		0	0	0	0	
		Initial Condition													0	0			0	0	0	0			0	0		v	0	0		0		0	0	_
															0	0			0	0	0	0			0	0			0	0		0		0	0	_
						738					86								0																0	_
	CCS - Base Seepage	First Filling Scepage																	0																0	_
																			0																0	_
			Hear Field Fie																																	
		Sustained Seepage																	0																0	_
			P90	7.6	4.8	772	208	45	56	13	92	188		0.0023		0.0002	0.21	0.038						0.001	0.0015	0.0001	0.2458	1.27E-04	0.00001	0.00014			9.05E-07	0.00001		

C = Al value b D = As value b E = Cr value b F = NO<sub>1</sub> valu used on pls=ts\_-based on As5+ criteria based on Cr6+ criteria

ANZ (2000) was erronnous (ANZG, 2018). Therefore, this value has not been adopted in this screening assessment.

# Appendix C Hazard Quotient Calculations



Table C1 and C2 Operations Hazard Quotient Calculations

PS134791 Cenceptual Exposure Model Definition Phase Study, *Jimblebar* Beneficiation Project

	Parameter Lowost Criteria		pH pc	TDS 430	Alkalinity	Ca	Mg	ĸ	Na	Cl	304		Sb 0.000		B B 37 0.0		Cd 0.0002	Co	Ca 0.0014	Cr	F	Fe 0.05	Hg 0.0006	Ma 1.9	Mo 0.000	etal Nitroge		P 0.05	Pb 0.0034	Se	Si	Ag		Sr	TI L	1 1	v
	Lowest Criteria	Average	7.812372 6.30512			10 16616	11.161.00	14 63231	228.02.06	166 602.6	04.464234									6.638-05 4	66174		0.0006		0.00160627	0.10086			748-05 0			100005		Pickt 0.1	542-05 0.00	1227 6.80	-
		HO	1.302062	2.351083								3.143082 0.							2.524423			0.878105			1.606274		0.394656		072777 0								
De Grey - Base Line	Filling periods	90th Percentile	7.582001 6.2369			36.7913	80.1467	25.7278	422.654	656.247										0.000127				0.181958					000207	0.0065	46.6114		0.44	44668 2.3	2E-05 0.000	465 0.00	3001
		HQ	1.263667	4.191533	.8							15.60662 0	056323 0.	160693 0.6	6341 28.4	029	0.092302	4.80177	5.653629	0.021163		1.872317		0.095767	2.90369		0.844542	0	061028 0	590879							
		Average	7.817555 6.3048			28.25173	41.18643	14.64005	225.3814	356.2313										6.01E-05 4					0.00160771				972-05 0		12.78364		0.24	42801 8.3	57E-06 0.000	1247 5.28	28E-1
De Grey - Hirh Seepare	Filling periods	HQ	1.302926	2.353204								2.778514 6							2.294612			0.782264			1.60771113		0.358666		023442 0								
		90th Percentile HO	7.616247 6.2369	4 18141		36.1956	80.3286	25.6463	421.405	654.301		0.520156 5 9.457382 0							0.006943	0.000109		0.039782		0.140698 0.074052			0.007322		000217 0		46.6046		0.44	43324 1.5	99E-03 0.000	1395 0.00	010
		Average	7.797279 6.3123			-														8.68E-05 4					2.89086				.57E-05 0						535.05 0.00		
De Grev -Climate		HO	1.797279 6.3123	2 33944		28.17086	41.05549	14.33749	223.43.33	352.9598		4 180345 0							1.134621			1 160044			1.61123425		0.498794		072264 4		22.10925		0.2	41140 1.5	52-05 0100	1252 7.95	.00-
Change	Filling periods	90th Percentile	7.498732 6.2369			36.0643	80.3773	23.3016	350.618	550.685										0.000197 1					0.00267975				.000193 0		46.5873		0.2	16693 3.7	775-05 0.000	479 0.00	3002
		но	1.249789	3.683093	3							21.22782 0	064212 0.	145468 0.6	8951 24.1	667	0.158486	6.63402	6.804793	0.03287		3.28392		0.157725	2,67975		1.390809		056854 0	618824							
		Average	7.967671 6.2667	77 762.60	96.443	27.8135	20.6635	11.437	173.61	283.79	65.812	0.023995 1	452-05 0	1.00049 0.1	0665 0.12	197	2.05E-00	5 0.000204	0.003038	3.468-05	1.22445	0.004591		0.034843	0.00135135	0.135849	0.002167	- 4	83E-05 0	.003971	8.6457		0.11	91975 3.5	51E-05 0.00	0183 2.22	226-
De Grer - Base Line	Falley periods	HQ	1.327945	1.773.512								0.436264 0					0.010275	5 0.20371	2.170286	0.005768		0.153017		0.018338	1.35135		0.196964	0	014191	0.361							
be Grij - Han Lin	Farmer bernard	90th Percentile	7.72535 6.2369		1 215.248	157.909	418.042	381.58	6188.15	9600.69	1918.9									0.000121 1				0.563416					.001458 0		69.864		10.	.8398 0.0	000172 0.006	5774 1.58	.8E-
		HQ	1.287558	45.50023	3									.561231 7.7					0.85335			3.5768		0.296008			3.878091		428676 4								_
		Average	7.953056 6.3368	10 06 471		86.83241	214.824	157.5746	2594.476	4033.551										7.068-05 1		2.247943			0.02030674		0.016846		1.00147 0		59.3043		3.21	\$2438 9.2	27E-05 0.000	1501 7.19	98-
De Grey - High Seepage	Fallew periods	HQ 90th Percentile	1.325509									8.75529 0.							1.508387	0.01176				0.165854	20.3067411 0.0612031				432404 1 002178 0						00192 0.00		
		90th Percentie	1.283269	65 13721		250.61	304.323	510.183	8564.08	13322.8		23,68973 0							0.969114			3,754333		0.359562			4.079909		.64045 4		10.0212			.607 0.0	000199 0.00.	191 2.42	20-
		Average	7.974495 6.3305			56 01/021	154.0474	98 93797	1608 867	7400.460										5.468-05 1					0.01402146				.000533 0		2003477		3.0*	18046 73	32-05 0.00	1719 9.81	STF.
Do Gree - Climate		HO	1.329082	12 82 17	1									552579 1.9					0.644188			1.95125			14.0214608		1.035071		156628 1								
Change	Fallew periods	90th Percentile	7.771239 6.2369	/72 16420	214.117	154,666	352.59	322.02	5192	8049.6	1619.4	0.835396 0	000484 0.	016815 2/	055 4.0	144	2.08E-05	5 0.003224	0.000344	9.968-05	14.577	0.087002		0.491325	0.0458263	4.007415	0.05354		.001217 0	.034373	64.9221		10.	5004 0.0	000154 0.005	428 1.68	12-1
		HQ	1.295207	38.1860	5							15.18902 0	484128 1.	293438 6.5	1351 408	.44	0.105825	3.22441	0.959714	0.016605		2.900067		0.258592			3.049091	0	357906 3	.124818							
Q Calculations - Swa				_																																	
	Lowest Criteria	Average	6 7.793157 6.3458	430					101.07.00	100 00/0		0.055		0.013 0					0.0014	0.006		0.65	0.0006	1.9	0.000		0.001		0.0034			0.00005			ME-05 0.000		_
		HO	1.793157 6.3458	2,810784		37.33.328	31,033,14	18.95317	305.0639	4///0509		0.392434 0							0.201816			0.306334		0.0212/2			0.153287		046466 0		13.17536		0	3505 7.0	P#2-05 0.000	208 1.90	12-1
Swan - Base Line	Filling periods	90th Percentile	7.682797 6.2369			60.7100	16 1102	74.1724	220.044	618 877										5.168-05 1			0		0.00257437				000264 0		44.0.772			20407 1	42-05 0.00		
		HO	1.280466	3.692.201								0.876164 0							0.420408			0.614007	0	0.022448			0.279379		077699 0			0	0				
		Average	7,798996 6,3363	14 1227.86	2 123,7945	37.09409	33.80398	19,1879	308.1113	481.6586	109.4676	0.020469 1	062-05 0.	003508 0.1	0475 0.21	407	2.68E-07	7 9.82E-05	0.000366	4.65E-05 3	1.475738	0.008274		0.020121	0.00184999	0.23062	0.001741	0	000162 0	.002281 2	3.29688		0.33	32161 6.2	252-06 0.000	209 2.77	778-
Swan - High Scepage	Filing periods	HQ	1.299833	2.855492	3							0.372155 0.	010596 0.	269832 0.4	7771 21.14	0 (901	0.001342	2 0.098155	0.261301	0.007748		0.275795	0	0.01059	1.8499915		0.158308	0 0	047662 0	207377		0	0				
sam , mfa sadab	rang press	90th Percentile	7.681231 6.2369			50.1615	64.6988	25.9669	402.21	627.168										5.496-05 1					0.00256629	0.356393			000299 0		45.9877		0.43	50796 1.4	42E-05 0.000	274 3.53	33E-
		HQ	1.290205	3.948395								0.886656 0							0.497379			0.578643	0	0.022333			0.272295		088/124 0			0	0				
		Average	7.786382 6.3505			37.46864	29.92809	18.33696	294.8073	461.0858										3.8E-05 3					0.00178312	0.230909			000152 0		13.09146			23677 7.0	ME-05 0.000	202 2.63	73E-
Swan -Climate Change	Filling periods	HQ 90th Percentile	1.29773	2.726364								0.398404 0							0.243625	0.006336		0.302352	0	0.011214	1.78311513		0.15222		000724 0			0	0		535-05 0.00		
		90th Percentile HO	7.674338 6.2369	164798		49.9634	48.9152	24,7955	368.772	611.896		0.053852 2 0.979127 0							0.000664		6.21109	0.015386		0.040555			0.268967		000224 0		45.8907		0.43	39313 1.5	53E-05 0.000	1274 3.54	484
		Average	7.832163 6.4258			63 26 21 1	86.33340	44.11.110	1061-106	1643-103										2.096-05 8	052611		0		0.0066355				000719 0		0.87008	0		ATTA 14	SE-05 0.000	717 1.00	-
		HO	1 305361	8 61477								1.74763 0							0.152433			1 371395	0		6 61550087		0.670364		211428 0			0	0				
	Fallow periods	90th Percentile	7.730923 6.2369	/72 9682.9/	5 108.184	118.71	216.024	174.356	2957.6	4605.79										3.55E-05	13.1351	0.063565		0.078042	0.0163364	2.155357	0.015846		001378 0		59.674		3.3	3618 7	12-05 0.000	1844 2.18	184
Swan - Base Line		HQ	1.288487	22.51851	1							2.759327 0	097974 1.	919077 3.2	1946 209.	894 0	0.006223	0.58029	0.320764	0.005922		2.118823	0	0.051601	16.3364		1.440582	0 0	405382 1	927155		0	0				
Swan - Base Line		Average	7.819581 6.4288			73.91965	101.3335	80.21045	1333.454	2073.972										2.296-05 8					0.00811197				000925 0		51.79523		1.5	16677 4.	3E-05 0.000	9905 1.29	19E-
Swaa - Rase Line		HO	1.303264	10.58331								1.891057 0.							0.167924			1.378199	0	0.036521			0.791999		271988 0			0	0				
	Extens serieds		7.724812 6.2369			123.168	241.12	195.882	3365.74	5144.51		0.1675 0								4.47E-05					0.0190509				.001739 0		64.3839		4.6	7028 8.1	162-05 0.000	2.16	-68-
Swaa - Base Line Swaa - High Seepage	Falley periods	90th Percentile										3.045455 0							0.324444			2.144893	0	0.056611			1.685718		511326 2			0	0				_
	Faller periods	90th Percentile HQ	1.287469	25.04180													6.782-03			2.1E-05 7		0.038823			0.00630103		0.06767		100066 0						77E-05 0.000	1079 1.07	/7E-
	Fallow periods	90th Percentile HQ Average	1.287469 7.833114 6.4295	59 3520.82	2 209.8336	60.92065	82.5528	60.8474	1004.834	1562.238																											
	Fallow periods	90th Percentile HQ Average HQ	1.287469 7.833114 6.4295 1.305519	59 3520.82 8.18795	2 209.8336 15							1.701275 0	053731 1.	073053 1.1	6405 75.90			8 0.330318					0						194078 0 001447 0		18.455	0	0	4776 6.6		1877 2.04	100
Swan - High Seepage		90th Percentile HQ Average	1.287469 7.833114 6.4295	59 3520.82 8.18795	2 209.8336 15 2 107.555						889.205	1.701275 0	053731 1. 24E-05 0.	073053 1.1	218 2.13	179	1.2E-06	0.000558		3.62E-05	13.107		0		0.0165828	2.176019		0	.194078 0 .001447 0 .475638 2	022401	58.485	0	0 3.4	4776 6.6	SSE-05 0.00	1872 2.04	ЧE-

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### Table C1 and C2 Operations Hazard Quotient Calculations

PS134791 Cenceptual Exposure Model Definition Phase Study, *Jimblebar* Beneficiation Project

	Srey																																				
	Parameter		pH	ps.		Alkalinity	Ca	Mg	К	Na	CI	304					Ba	Be G			Cr	F	Fe	Hg	Ma	Mo	etal Nitrog		P			Si Aj		Sr		U	\
	Lowest Criteria		6		60								0.055					0.00		0.0014				0.0006	1.9		1.15	0.011	80.0		0.011	0.000			0.00003		
		Average					28.2564	5 41.1615	14.6273	1 225.034	5 355.598	5 94,45524				11 0.134211				0.003534			0.025343			0.00160627	0.30086			7.74E-05 0				0.242685 1			
De Grey - Base Line	Filling periods	HQ	1.302062		16.84945											68 0.142778		0.041			0.066343			0	0.06873		0.261618	0.394656	0	0.022777 0		0			0.31816 0		
		90th Percentile HO	1.263667		1902.36	72.80.21	36.7913	50.146.)	25.727	422.054	000.24	/ 1/5.900				89 0.242846 93 0.258347		0.032		0.007915	0.126978		0.05617		0.031555	0.00290365		0.844542		0.061028 0		0114		0.444668	1.732807 0		
					30.03933		-									93 0.253347 37 0.134456				3.633623			0.000.000	0			0.325095		0	7.97E-05 0				0.242801 8			
		Average HO	1.302926		16.85454		28,2517.	41.1504	14.0405	225.381	336.231	3 94,20963				37 0.134456 16 0.143038		0.037			0.06009	4.004838	0.025468		0.06437	0.00160/71		0.358666		0.023442 0		/8304			1.279012 0		
be Grey - High Seepage	Filling periods	90th Percentile					26.1026	00.7704	78.646	471.448	64.4.30	176.001				12 0.242946				0.006943		10.6744	0.033757			0.00760000	6.377511			0.000217 0				0.443324			
		HO	1 269375		20.9675	14-8071										22 0.258453		0.077			0.109462				0.0740573		0.378271			0.063808 0			0		1.529697 0		
		Average				134 8005	28 1705	41.0564	14 5574	223433	1 147 040	6 04 06 965				88 0.133479	0.150771			24 0.004388		4 661561	0.034601			0.00161121	0.299585		0	7.572-05 0		26025		0.241146			
De Grey -Climate		HO	1.299547		16,7663											27 0.141999		0.055			0.084812			0	0.080318			0.498294	0	0.022264 (		0			0.44467 0		
Change	Filling periods	90th Percentile				77 4977	36.0643	80 1771	23.360	350.618	550.68	177.009				91 0.229012				14 0.009527		10 5365	0.098518			0.00267929	0.338046			0.000193 0				0.395693			
		HO	1 249789		36 3955											68 0.24363		0.158			0 197718			0	0.157725		0.202043		0	0.056854 0			0		1,255683 0		
		Average	7,967671	6.26677	762.61	96.443	27.8135	20.6635	11.437	173.61	283.79	65.812				9 0.10665	0.12197	2.058	05 0.00020	0.003038	3.468-05	1.22445	0.004591	-	0.034843	0.00135135	0.135849	0.002167	-	4.83E-05 0	603971 8.	6457	·	0.191975			
		но	1.327945		12,71007								0.4362	64 0.00161	5 0.0376	85 0.113457		0.010	75	2.170288	0.034606			0	0.018338		0.11813	0.196964	0	0.014191	0.361	0	0		0.11694 0	0.36561	0.00
De Grey - Base Line	Fallew periods	90th Percentile	7.72535	6.236972		215.248	157.909	418.043	381.58	6188.15	9600.0	1918.9	1.0740	38 0.00053	6 0.0202	96 2.8493	4.8387	2.98	05 0.0038	3 0.001195			0.107304		0.562416	0.054862	4.855857	0.042659		0.001458 0	045323 65	2.864		10.8398	0.000172 0	1006774	1.58
		HQ	1.287558		326.085								19.528	73 0.05957	9 1.5612	31 3.03117		0.144	161	0.85335	0.12138			0	0.296008		4.222484	3.878091	0	0.428676 4	120273	0	D		5.7286 1	3.54716	0.00
		Average	7.953056	6.336871	\$585.263	356.5453	86.8324	214.824	157.574	5 2594.47	\$ 4033.55	1 831.3832	2 0.4815	41 0.00031	5 0.0178	87 1.146796	1.939908	1.838	0.5 0.00210	0.002112	7.06E-05	13.42138	0.067438		0.315122	0.02030674	2.002758	0.016846		0.00147 0	021456 59	.3043		3.282438 1	227E-05 C	1002501	7.15
		HQ	1.325509		143.0677	7							8.7553	0.03.500	8 1.3759	04 1.219996		0.093	75	1.508387	0.070558			0	0.165854		1.741529	1.531422	0	0.432404	950588	0	D		3.090447 5	001263	0.01
be Grey - High Seepage	Fallew periods	90th Percentile	7.699612	6.236972	28009	215.351	250.61	564.525	510.18	8561.08	13322.1	\$ 2709.73	1.3024	4 0.00064	3 0.0322	52 3.60399	6.19348	4.38	05 0.00450	0.001357	0.000135	17.0688	0.11263		0.683168	0.0612031	6.323877	0.044879		0.002178 0	052147 76	6212		11.607 (	1.000199 0	1007191	2.42
		HQ	1.283269		466.8167	1							23.680	0.07148	7. 2.4809	46 3.834032		0.21	99	0.969114	0.135145			0	0.359562		5.499023	4.079909	0	0.64045 4	740645	0	0	_	6.629 1		0.00
		Average					56.0369	1 154.943	98.9375	7 1608.86	7 2499.46	9 532.9272				84 0.731923				33 0.000902		12.09867	0.058537			0.00402146	5 1.299003			0.000533 0		46009		3.058046			
De Grey -Climate	Fallow periods	HQ	1.329082		91.90335	2							7.8270	0.02702	4 0.5525	79 0.778642		0.051	P35	0.644188	0.054601			0	0.13134		1.129568	1.035071	0	0.156628 1	266077	0	0		2.442242 3	438389	0.00
Change	Farmer bernard	90th Percentile				214.117	154.666	352.59	322.02	5192	8049.6	1619.4				15 2.4055				24 0.001344	9.968-05	14.577	0.087002			0.0458263	4.007415			0.001217 0		9221			1.000154 0		
		HQ	1.295207		273.6663								15.189	0.05375	2 1.2934	38 2.559043		0.105	(29	0.959714	0.099629			0	0.258592		3.484708	3.049091	0	0.357906 3	124818	0	3		5.146033		0.00
Q Calculations - Swar	n Lowot Criteria		6		60								0.054	5 0.009	0.011	0.04		0.00		0.0014	0.001			0.0006	1.0			0.011	0.06	0.0034	6.011	0.000			0.00003	0.0504	
		Average		6.346917		120.02.02	12 33 32	11.4333	12.0711	1. 107.068	177.084	0 101.411				19 0.165629	0.716997			15 0.000283		1.1/01/1	0.00010	0.0000		0.00163707	0.237929		0.10	0.000158 0					7.04E-06 0		
		HO	1.298859		20 14 20 2	100.0147										68 0.176201		0.000			0.03278			0	0.011196			0.153287	0	0.046466 0		0			1.234558 0		
Swan - Base Line	Filling periods	90th Percentile			1587.65	73.916	50 3 199	56 5407	25125	170.965	615.57	138.787				25 0.208418	0.31555			99 0.000585		8.06349	0.01842			0 00257433	0.380028			0.000264 0				0.429897			
		HO	1.280466		26.46083											89 0.221721		0.001			0.051579			0	0.022448			0.279379	0	0.077699 0		0	0		1.467993 0		
		Average	7,798996	6.336314	1227.862	123,7945	37.0940	33,8039	19.187	308.111	481.658	6 109.4676	5 0.0204	69 1.06E-0	5 0.0035	08 0.180475	0.211407	2.685	07 9.82E-0	5 0.000366	4.65E-05	3.475738	0.008274		0.020121	0.00184999	0.23662	0.001741		0.000162 0	002281 23.	29488		0.332161 6	125E-06 C	1000209	2.77
		но	1.299833		20.46437								0.3721	55 0.00117	7 0.2698	32 0.191995		0.001	42	0.261303	0.046488			0	0.01059		0.200713	0.158308	0	0.047662 0	207377	0			0.208414 0		
Swan - High Seepage	Filling periods	90th Percentile	7.681231	6.236972	1697.81	73.8573	50.1615	64.6988	25.966	402.21	627.163	142.607	0.0487	66 2.41E-6	5 0.0061	23 0.215402	0.31025	2.598	07 0.00011	14 0.000696	5.496-05	9.88168	0.017359		0.042432	0.00256625	0.356393	0.002995		0.000299 0	003262 45	9877		0.450796	1.42E-05 C	1000274	3.53
		HQ	1.280205		28.29683	1							0.8366	56 0.00261	4 0.6248	48 0.229151		0.001	94	0.497375	0.054867			0	0.022333		0.329907	0.272295	0	0.088024 0	296565	0	D		0.47361 0	1548594	0.00
		Average	7.786382			5 117.0674			18.3366		461.085						0.208465	2.762			3.8E-05	3.198062	0.009071									09146		0.323677			
Swan -Climate Chapee	Filling periods	HQ	1.29773		19.53894	1							0.3984	04 0.00128	3 0.3307	33 0.171225		0.001	178	0.243625	0.038017			0	0.011214		0.20079	0.15222	0	0.044707 0	216471	0	D		1.234817 0	.403419	0.00
oran Canada Carago	rung press	90th Percentile	7.674338	6.236972	1568.46	73.1593	49.9634	48.9152	24.795	368.772	611.89	5 128.836	0.0538	52 2.66E-6	5 0.0101	79 0.208446	0.31024	3.518	07 0.00015	0.000664	5.01E-05	6.21109	0.018886		0.040588	0.0025722	0.376377	0.002959		0.000224 0	003347 45	8907		0.439313 :	1.53E-05 0	1000274	3.54
		HQ	1.279056										0.9791	27 0.00295	1 0.7830	35 0.221751		0.001	155	0.473934	0.050121			0	0.02152		0.327284	0.268967	0	0.065793 0	304232	0	0		1.510957 0	1.54824	0.00
		Average		6.425893	3704.352		62.7973.	5 86.2736	64.3111	1063.208	1653.10	2 325.3194	0.0961	12 5.55E-6	5 0.0148	93 0.459594	0.801038	7.018	07 0.00034	41 0.000213	2.096-05	8.052613	0.039642		0.064522	0.0066355	0.886598	0.007374		0.000719 0	009117 49.	\$7008		1.26774	3.9E-05 0	1.000737	1.05
Swan - Base Line	Falley periods	HQ	1.305361		61.7392											52 0.48893		0.005			0.020865			0	0.033959			0.670364	0	0.211428 0		0	a		1.301014 1		
Strate - Base Land	Fanne berent	90th Percentile					118.71	216.024	174.35	2957.6	4605.75	875.61				48 1.19952				8 0.000445		13.1351	0.063565			0.0163364	2.155357			0.001378 0		2.674		3.33618			
		HQ	1.288487													77 1.276085		0.006			0.035533			0	0.051601			1.440582	0	0.405382		0	3		2.334143 3		
		Average					73.9196	5 101.333	80.2104	5 1333.45	\$ 2073.97	2 404.9175				93 0.568757	0.992062			\$1 0.000235		8.364499	0.041346			0.00811197	7 1.076306			0.000925 0		79523		1.516677			
Swan - High Seepage	Falley periods	HQ	1.303264		75.84703											85 0.605061		0.005			0.02295			0	0.036521			0.791999	0	0.271988 0		0	4		1.434946 1		
To only the		90th Percentile				108.035	123.168	241.12	195.88	3305.74	5144.5	984.029				09 1.35626	2.38215			53 0.000454		13.459	0.064347			0.0190509	2.496479			0.001739 0		3839			\$.16E-05 0		
		HQ	1.287469		179.4663											54 1.44283		0.007			0.044699			0	0.056611			1.685718	0	0.511326 2		0	1		2.719433 4		
		Average		6.42959		209.8336	60.92063	\$ \$2,5528	60.847	1004.83	1562.23	8 307.855				0.43527	0.759029			3 0.000212		7.947175	0.035523			0.00630103	5 0.845074			0.00066 0		43825		1.199407 :			
		HO	1.305519		58.68034											53 0.463053		0.005			0.020964			0	0.033147			0.642713	0	0.194078 0		0	4		1.256793 1		
Swan -Climate Chapey	Falley periods																																				
iwan -Climate Change	Falley periods	90th Percentile HO	7.729618		9831.22	107.555	110.72	220.631	177.11	3065.02	4679.64	5 889.205				69 1.218 38 1.295745		1.22		58 0.000458	0.036193		0.058596		0.049777	0.0105828	2.176019	1.460045		0.001447 0		C488		3.44776 6	2.2252 J		

HQ>1 HQ>5 HQ>10

### Table C3 Operations Hazard Quotient Calculations

PS134791 Conceptual Exposure Model Definition Phase Study, Jimblebar Beneficiation Project

Calculations - De Gri	lγ																																							
Parameter			pti	ps.	TDS				Mg	ĸ	Na	Cl	\$04	AI	Sb	As	в	Ba	Be	Cd	Co	Cu	Cr	- F	Fe	Hg	Mn		stal Nitroge			™b Se	Si	Ag	5n	Sr	п	U	_	V
	Lowest Criteria				4000		100						1000	5.00		0.5				0.01	1.00	0.40	1.00	2.00		0.002		0.15		1.00		30 0.02		<u> </u>				0.20		
		Average	7.812372	6.305121			134 28.25 0.028		.16155 1	4.62731	225.0346	355.5985	94.45524					11 0.15185	6		0.001807				0.026343			0.001606		0.004341		E-05 0.00394			0	-242685	9.542-06			89E-I
De Grey - Base Line	Filling periods	HQ			0.2527												21 0.0268-				0.001807					0		0.010708				0774 0.19821						0.0012		
		90th Percentile HO	7.582001	6.236972	2 1802.3		21 36.7		0.1467 2	25.7278	422.654	656.247	175.806				89 0.24264 78 0.04854	46 0.28402	2		0.004802				0.05617			0.002904	0.377999	0.00929		0207 0.0063			0	.444668	2.2E-05	0.0004		3001
		Average	7.917444	6 10/86					19643 1	161001	127.1917	166 33112						56 0.15206			0.004802				0.071.668	0		0.001608	0.33067	0.003945		E-05 0.00377				241801	8.37E-06			79.10
		HO			0.2525		0.078						0.09421				75 0.02681				0.001555							0.010718		0.003345		0797 0.1886						0.0012		
De Grey - High Seepage	Filling periods	90th Percentile	7.616247	6.236972			31 36.19		1.3286 2	25.6463	421,403	654,300						46 0.28308			0.003511				0.039782			0.002891				0217 0.00633				443324	1.592-05			.0001
		но			0.4495		0.036						0.176091				23 0.04851				0.003511					0		0.019272		0.007322		2169 0.31688						0.0019		
		Average	7.797279	6.312318	8 1005.9	78 135.80	95 28.17	7056 41	.05649 1	4.55749	223.4333	352.9598	94,98588	0.229913	3 2.96-02	0.000	88 0.13343	79 0.15077		1.12E-08	0.002524	0.004388	8.682-05	4.661561	0.034801		152604	0.001611	0.299585	0.005481	7.57	E-05 0.0044	7 22.76925		6	1241146	1.33E-05	0.0002	82 7/	98E
De Grey -Climate		HQ			0.2514	95	0.028	\$171					0.094986	0.045983		0.0013	76 0.02661	96		0.001117	0.002524	0.000971	8.68E-05	2.330781		0		0.010742		0.005481	0.00	0757 0.22483	4					0.0014	41	
Change	Filling periods	90th Percentile	7.498732	6.236973	2 1583.3	3 72.59	77 36.0	0643 80	1.3773 2	23.3016	350.618	550.685	177.009	1.16753	6.42E-0	5 0.0018	91 0.22901	12 0.24166		3.17E-05	0.006634	0.009527	0.000197	10.5365	0.098518		1299678	0.00268	0.338046	0.015299	0.00	0193 0.00681	7 46.5873		0	1.396693	3.77E-05	0.0004	179 O.f	0002
		HQ			0.7959	33	0.036						0.177029				82 0.04580			0.00317	0.006634	0.023817	0.000197	5.26825		0		0.017865		0.015299	0.00	1933 0.34035	3					0.0023	/94	
		Average	7.967671	6.26677					1.6635	11.437	173.61	283.79						3 0.12197			0.000204				0.004591			0.001351				E-05 0.00397			0	1291975	3.51E-06			22E-
Dr Grey - Base Line	Fallew periods	HQ			0.1906		0.027						0.065812				8 0.0213				0.000204					0		0.009029		0.002167		0483 0.1985						0.0009		
		90th Percentile	7.72535	6.236972					18.042	381.58	6188.15	9600.69						4.8387			0.00383				0.107304			0.054862	4.855857			0.0458 0.04533				10.8398	0.000172			58E
		HQ			4.8912		0.157						1.9189				92 0.56/98				0.00383					0		0.365747		0.042659		4575 2.2661						0.0338		
		Average HO	7.953056	6.336871	2.1463	63 356.54	0.084		14.824 1	57.5746	2594.476	4033.551	831.3832				87 1.14679 73 0.22935	P6 1.93990	6		0.002107				0.067438			0.020307		0.016846		4702 1.0728			3	.282438	9.27E-05	0.0025		19E-
De Grey - High Seepage	Fallow periods	90th Percentile		6.236975			51 250											9 6.19348			0.002107					0		0.061205				2178 0.0521-					0.000199			
		HO	1.099612	6.230972	7.0073		0.250		94.525 3	5 22.153	8301.08	133228	2709.73				52 3.6039 66 0.72071				0.004503				0.11265			0.061205		0.044879		1775 2.6073				11.607	0.000199	0.0071		42D
		Average	7 974495	633042		03 293.85			4 0474 0	8 91797	1608 867	7,000,060						23 1.23534			0.001603				0.058537			0.014021		0.011386		0533 0.01392				058046	7.33E-05			81 F.
De Grey -Climate	Fallen outlade	HO			1.3785		0.055						0.532927				67 0.14631				0.001603					0		0.093476		0.011386		5325 0.6963-						0.0085		
Change	Fallow periods	90th Percentile	7.771239	6.236972	2 1642	214.1	17 154.)	1.656 3	52.59	322.62	5192	8049.6	1619.4	0.835396	5 0.00048	4 0.0163	15 2.4055	5 4.0844		2.08E-05	0.003224	0.001344	9.962-05	14.577	0.087002		491325	0.045826	4.007415	0.03354	0.00	1217 0.05433	3 64.9221			10.5004	0.000154	0.0054	128 D	se-
		HQ			4.105		0.154	4666					1.6194	0.167075	2	0.0334	29 0.4811			0.002077	0.003224	0.003359	9.962-05	7.2885		0		0.305509		0.03354	0.01	2169 1.7186	5					0.0271	-42	
Q Calculations - Swan																																		_	_	_	_	_	_	
	Lowest Criteria		-		4000		100			-			1000	5		0.5				0.01	1	0.4	1	2		0.002		0.15	-	1		.1 0.02		<u> </u>		-	-	0.2		
		Average	7.793157	6.345817		38 120.57			.63374 1	8.95317	305.0659	477.0869						29 0.21588			7.98E-05				0.00919			0.001838				0158 0.00238			0	1.33505	7.04E-06			se-
Swan - Base Line	Filling periods	HQ			0.3021		0.037						0.104401				39 0.05312				7.98E-05 0.000159					0		0.012253		0.001686		0.1193					1.45-05	0.0010		
		90th Percentile HO	7.682797	6.236972	2 1587.6		0.05		5.3492 2	25.1236	370.968	615.527	138.787				25 0.20541	18 0.31555			0.000159				0.01842			0.002574	0.380025	0.003073		0264 0.0033- 2642 0.1670			0	.429897	1.48-68	0.0002		53E
		Average	7 706204	6.11611					20102	10.1970	108.1111	191 6496						54 75 0.21140			0.000139				0.0063774	0			0.23062	0.003073		2542 0.1670 0162 0.00225				111161	6.255.06			775
		BQ	1.198994	0.55057	0 3049		0.037		C880.996 1		/00.1117	481.0080	0 109468				16 0.03601				9.82E-05				0.0000214	0		0.012333		0.001741		1621 0.1140					0.2.02.000	0.0010		
Swan - High Seepage	Filling periods	90th Percentile	7.681231	6.236972	1697.6	1 7185	73 50.10	1615 64	1 6038 3	14.0660	402.21	677.168	147.607	0.048764	5. 2.41E.0			0.31025			0.000174				0.017359			0.002566				0299 0.0032				450796	1.42E-05	0.0007	ñ v	53.F.
		но			0.4244		0.050						0.142607				46 0.0430				0.000174					0		0.017109		0.002995		2993 0.16311						0.0013		
		Average	7.786382	6.35050	7 1172.3	36 117.06	574 37.46	6864 29	92809 1	8.33696	294,8073	461.0858	101.2331	0.021912	2 1.15E-0	5 0.004	3 0.1609	51 0.20846	5	2.768-07	0.000101	0.000341	3.8E-05	3.198062	0.009071		021307	0.001783	0.230929	0.001674	0.00	0152 0.00238	1 23.09146		6	.323677	7.04E-06	0.0002	382 27	43E
Swan -Climate Chapter		HQ			0.2930	84	0.037	7469					0.101233	0.004382		0.008	99 0.0321	9		2.76E-05	0.000101	0.000853	3.8E-05	1.599031		0		0.011887		0.001674	0.00	0.1190	9					0.0010	329	
Swan -Clanato Change	Filling periods	90th Percentile	7.674338	6.236972	2 1568.4	6 73.1.9	93 49.9	9634 48	8.9152 2	24.7955	368.772	611.896	128.836	0.053852	2.668-0	5 0.0101	79 0.20844	46 0.31024		3.51E-07	0.000191	0.000664	5.01E-05	6.21109	0.018866		1.040838	0.002572	0.376377	0.002959	0.00	0224 0.00334	7 45.8907		0	.439313	1.532-05	0.0002	04 3.5	54E-
		HQ			0.3921	15	0.049	19963					0.128836	0.01077		0.0203	59 0.04168	89		3.51E-05	0.000191	0.001659	5.01E-05	3.105545		0		0.017148		0.002959	0.00	2237 0.16733	8					0.0013	/71	
		Average	7.832163	6.425892					27361 6	431119	1063.208	1653.102						94 0.80103	£		0.000341				0.039642			0.006636				0719 0.0091			-	1.26774	3.9E-08			09E-
Swan - Base Line	Fallow periods	HQ			0.9260		0.062						0.325319				87 0.09191				0.000341					0		0.044237		0.007374		7189 0.4558						0.0036		
		90th Percentile	7.730923	6.236972					16.024 1	174.356	2957.6	4605.79						2 2.09894			0.00058				0.063565			0.016336	2.155357			1378 0.02119			-	3.33618	7E-05			-1E-
		HQ			2.4207		0.111						0.87561				96 0.23990				0.00058					0		0.108909		0.015846		3783 1.05990						0.0092		_
		Average HO	7.819581	6.428821	1 4550.8		0.07		0.3335 8	0.21045	1333.484	2073.972	404.9175				93 0.56875 86 0.11375	57 0.99206			0.000381				0.041346		0.06939	0.008112 0.05408		0.008712		0925 0.01071 9248 0.53521			1	.516677	4.3E-05	0.0009		292-
Swan - High Seepage	Fallow periods	HQ 90th Percentile	7 73 6 6 1 7	6.236972			0.07: 35 123.				3305.74			0.020802				51 36 2.38215			0.000581				0.064247	0	0.10766	0.05408				9248 0.53528 1739 0.0248-					8.162-05			
		HO	1.124312	0.430974	2 00/60		0.123			10.082	3,942,74	2144.21		0.0335	0.20010		09 1.3362				0.000663				0.004347			0.019051	2.1910479	0.018543		7385 1 2423				Correction (1)	a. 142-05	0.0109		wD
		Average	7.833114	6.42959					2 5528 6	50.8474	1004.834	1562.238			5.37E-0			7 0.75902			0.00033				0.038823	-		0.006301	0.845074			0.00362				229407	3.77E-05			07E
		BQ			0.8802		0.060						0.307855				99 0.08703				0.00033					0		0.042007		0.00707		6599 0.4341						0.0034		
Swan -Climate Change	Fallow periods	90th Percentile	7.729618	6.236972			55 110.	0.72 22	20.631 1	177.116	3005.02	4679.66						2.13175			0.000558				0.058596			0.016583				1447 0.02240				3.44776	6.68E-05	0.0018	172 2.5	.042-
		но			2.4578	0.8	0.111	1077					0.889206				38 0.2434				0.000558							0.110552		0.016061		4472 1.1200						0.0293	26	

HQ >1 HQ >5 HQ > 10

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### Table C4 and C5 Operations Hazard Quotient Calculations

PSI 34791 Conceptual Exposure Model Definition Phase Study, Amblebar Beneficiation Project

| Calculations -   | De Grey  |  |   
   
   | TDS   
   | Allolinity  
   | - M-  
  |  | Na CI 804   
  |  
   | a. a a.   
   | B. CL C. C  
  |  
  | Ha Ma Mo Total Nittoe  
   |   | 70 C C  
  | 1. C. C. T.  |  |
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	Lowest Criteri
   
   | 600   
   | 200   
   |   
  |  | 190 250 250   
  | 0.2 0.003  
   | 0.01 4 2  
   | 0.06 0.002 1  
  | 0.05 1.5 0.3   
  | 0.001 0.1 0.05   
   | 0.02  | 0.01 0.01   
  | 0.1  | 6.62   |
| Dr Grey - Base   |  | Asenge<br>HO   | 7.812372 6.3051   
   
   | 21 1010.96725   
   | 136.4734 28.  
   | 3646 41.163   
  | 155 14.62731   | 225.0346 355.985 94.45524<br>1.250192 1.422394 0.377821   
  | 0.17287 2.71E-05 0<br>0.854348 0.009021 0  
   | 0.000711 0.134211 0.151858  
   | 8.35E-06 0.001907 0.003<br>0.004173 0.003   
  | 1534 6.638-05 4.665475 0.026343<br>1534 0.001327 3.116817 0.08781  
  | 0.130583 0.001606 0.30086003   
   | 0.004341<br>0.217061  | 7.74E-05 0.003965 22.78928<br>0.007744 0.296521   
  | 0.242685 9.546   | 0.012826   |
| Line   | Filling periods  | 90th Percentile  | 7.582001 6.2369   
   
   |   
   | 72.8621 36  
   | 7913 - 90.14  
  | 67 25.7278   | 422.654 656.247 175.806   
  | 0.858364 5.63E-05 0  
   | 0.002099 0.242546 0.254029  
   |   
  | 1915 0.000127 10.6157 0.05617  
  | 0.181958 0.002904 0.37799940   
   |   | 0.000207 0.0965 46.6114   
  | 0.444668 2.21  | 15 0.000465 0.000  |
|  |  | IRQ<br>Assess  | 7.817555 6.304  
   
   | 3.003933333   
   | 0.364311  
   | N171 AT 166   
  | 41 14.64005  | 2.348078 2.634988 0.703224<br>225.2634 156.2113 04.20065  
  | 429082 0.018774 0<br>0.157818 2.68E.05 0   
   | 0.000777 0.134456 0.152067  
   | 0.00923 0.00  
  | 7915 0.00254 7.077133 0.197232   
  | 1,81958 0.053074<br>0.177305 0.001608 0.2005606  
   | 0.464495  | 0.02075 0.649967  
  | 0.347501 0.275   | 0.023235   |
| De Grey - High   | Filling periods  | HQ   | 1.202700  
   
   | 1.686463958   
   |   
   |   
  |  | 1.252119 1.424925 0.376829  
  | 0.754091 0.003943 0  
   | 0.073731 0.053614 0.076053  
   | 0.007743 0.003  
  | 1212 0.001202 3.109892 0.078226  
  | 1.223029 0:032154  
   | 0.197266  | 0.00797 0.377238  
  |  | 0.012367   |
| Seepage  |  | 90th Percentile<br>180   | 7.616347 6.2369   
   
   | 72 1798.05  
   | 72.8531 36  
   | 1936 \$0.32   
  | 86 25.6463   | 421.403 654.301 176.091<br>2.341128 2.617204 0.704364   
  | 0.520156 5.58E-05 0  
   | 0.002212 0.242946 0.283088  
   | 1.452-05 0.003511 0.00  
  | 1943 0.000109 10.4254 0.039792   
  | 0.140688 0.002891 0.37751125   
   | 0.007322  | 0.000217 0.006337 46.6046   
  | 0.443324 1.598   | 0.000995 0.000   |
|  |  | Avenge   | 7.797279 6.3123   
   
   | 18 1005.978125  
   | 135.8095 28   
   | 17056 41.056  
  | 49 14.55749  | 223.4333 352.9598 94.98588  
  | 0.229913 2.9E-05 1   
   | 0.000688 0.133479 0.150771  
   | 1.12E-05 0.002524 0.00  
  | 1288 8.482-05 4.661561 0.034800  
  | 0.152604 0.001611 0.29958544   
   | 0.005481  | 7.57E-05 0.004497 22.76925  
  | 0.241146 1.338   | 05 0.000232 7.95   |
| De Grey-Clinal<br>Change   | *<br>Filling periods   | HQ<br>99th Purportille   | 1.199581  
   
   | 1.676630208   
   | 0.679047<br>72.5977 36  
   |   
  |  | 1241296 1.411839 0.379944   
  | 1.149567 0.00965 0   
   | 0.068806 0.05337 0.075385   
   | 0.005587 0.00   
  | 1388 0.001736 3.107708 0.116004  
  | 1.526036 0.032225<br>0.729678 0.00788 0.11994648   
   | 0.274062  | 0.00757 0.449702  
  | 0.204001 1.720   | 0.014102   |
|  |  | RQ   | 1.153651  
   
   | 2.67955   
   | 0.362989  
   | 000 8037  
  | 13 25.5610   | 350.618 550.685 177.009<br>1.947878 2.20274 0.708036  
  | 5.83765 0.021404 0   
   | 0.159208 0.057253 0.120634  
   | 0.015849 0.00   
  | 1527 0.007944 7.024333 0.328392  
  | 2.99678 0.053595   
   | 0.764945  | 0.019331 0.680706   
  |  | 0.022935   |
| Dr Grey - Base   |  | Avenge   | 7.967671 6.266  
   
   | 77 762.61   
   | 96.443 27   
   | 8133 20.66  
  | 33 11.497  | 173.61 283.79 65.812<br>0.9645 1.13516 0.263248   
  | 0.023995 1.45E-05  
   | 0.00049 0.10665 0.12197   
   | 2.052-06 0.000204 0.000<br>0.000027 0.000   
  | 1058 3.462-05 1.22445 0.004591<br>1038 0.000692 0.8363 0.015302  
  | 0.054843 0.001351 0.13584928<br>0.348425 0.027027  
   | 0.002167<br>0.10633   | 4.83E-05 0.003971 8.6457<br>0.004825 0.3971   
  | 0.191975 3.518   | 06 0.000183 2.223<br>0.00914   |
| De Grey - Hane<br>Line   | Fallen periods   | 90th Percentile  | 7.72535 6.2366  
   
   | 02 19565.1  
   | 215.248 15  
   | 7.909 418.0   
  | 42 381.58  | 6188.15 9640.69 1918.9  
  | 1.07408 0.000536 0   
   | 0.020296 2.8493 4.8387  
   | 2.96-05 0.00383 0.000   
  | 195 0.000121 15.4211 0.107304  
  | 0.562416 0.054862 4.85585650   
   | 0.042659  | 0.001458 0.045723 69.864  
  | 10.8398 0.000  | 72 0.006774 1.58   |
|  |  | RQ   | 1.188515  
   
   | 32.6085   
   | 1.07624   
   |   
  |  | 34.37861 38.40276 7.6756<br>2594.476 4033.551 831.3832  
  |  
   | 2.0296 0.712325 2.41935   
   | 0.014476 0.000  
  | 195 0.002428 10.28073 0.35358  
  | 5.62416 1.09724  
   | 2.13295   | 0.14575 4.5323  
  |  | 0.336679   |
| De Grey - High   |  | Avenge   | 1.223547  
   
   | 14.30877215   
   |   
   | 0.241 214.5   
  | 24 157.5746  | H-41376 16.13421 3.325533   
  | 2.407705 0.105025 1  
   | L788675 0.286699 0.969954   
   | 0.009175 0.002  
  | 1112 0.001411 8.947587 0.224794  
  | 0.45122 0.02040 2.002/5180<br>1.151223 0.406135  
   | 0.842282  | 0.147017 2.145647   
  | 3.252438 9.276   | 0.125032   |
| Seepage  | Fallen preisds   | 90th Percentile<br>180   | 7.699612 6.2369   
   
   | 72 28009  
   | 215.351 2:  
   | 0.61 554.5  
  | 25 510.183   | 8562.05 13322.8 2709.73   
  | 1.30344 0.000643 0   
   | 0.072252 3.60799 6.19348  
   | 4.32-05 0.004503 0.00   
  | 1357 0.000135 17.0688 0.11263<br>1357 0.002703 11.3792 0.375433  
  | 0.663168 0.061203 6.32387657<br>6.83168 1.224062   
   | 2.24295   | 0.002178 0.052147 75.6212   
  | 11.607 0.000   | 0.007191 2.42  |
|  | -  | Avenge   | 7.974495 6.3005   
   
   | 29 5514.203165  
   | 293.8519 56.  
   | 03691 154.94  
  | 124 95.93797   | 1608.867 2499.469 532.9272  
  | 0.430455 0.000243 0  
   | 0.007154 0.731923 1.23534   
   | 1.642-05 0.001603 0.000   
  | 1902 5.468-05 12.09967 0.058537  
  | 0.249547 0.014021 1.29900346   
   | 0.011386  | 0.000533 0.013927 53.46009  
  | 3.058046 7.338   | 0.001719 9.81  |
| De Grey-Climat   | * Faller seriels   | HQ   | 1.226845  
   
   | 9.190338685   
   |   
   |   
  |  | 8.928151 9.997877 2.131709  
  |  
   |   
   |   
  | 0.195125 0.000092 0.065783 0.195125  
  | 2.495466 0.290429  
   | 0.569289  | 0.053254 1.392685   
  |  | 0.05596  |
| Change   |  | 90th Percentile<br>18Q   | 7.771239 6.2368   
   
   | 72 16420<br>27.36666667   
   | 214.117 15  
   | 1.666 352.5   
  | 322.02   | 5292 8049.6 1619.4<br>28.54444 32.1854 6.4776   
  | 0.835396 0.000484 0<br>4.17698 0.161126  
   | 0.005815 2.4055 4.0944  
   | 2.082-05 0.007224 0.00<br>0.010583 0.00   
  | 1344 9.962-05 14.577 0.097002<br>1344 0.001993 9.728 0.290007  
  | 0.491325 0.045826 4.00741468   
   | 0.03354   | 0.001217 0.034073 64.9221<br>0.121688 3.4373  
  | 10.5004 0.000  | 54 0.005428 1.6E<br>0.27142  |
| Calculations -   | Swan   | and a  |   
   
   |   
   |   
   |   
  |  |   
  |  
   |   
   |   
  |  
  |  
   |   |   
  |  |  |
|  | Lowest Criteri   |  | 6.5   
   
   | 600   
   | 200   
   |   
  |  | 190 250 250<br>205.0659 477.0869 101.401  
  | 0.005  
   | 0.01 4 2  
   | 0.06 0.002 1  
  | 0.05 1.5 0.3   
  | 0.001 0.1 0.05   
   | 0.02  | 0.01 0.01   
  | 0.1  | 6.62<br>06 0.000C05 1.55   |
|  |  | Avenge   | 7.793157 6.3458   
   
   | 2.014096875   
   | 0.602\$73   
   | 0.028 31.633  
  | 18.92317   | 1.69481 1.908348 0.417604   
  | 0.003894 0   
   | 0.411929 0.041407 0.107941  
   | 7.31E-05 0.00   
  | 283 0.000656 2.232767 0.030633   
  | 0.212719 0.036759  
   | 0.0543-05   | 0.015799 0.238672   
  |  | 0.0107.5   |
| Sean - Rev Lin   | e Filling periods  | 90th Percentile  | 7.682797 6.2369   
   
   | 72 1587.65  
   | 73.916 50   
   | 3199 56.54  
  | 92 25.1236   | 370.965 615.527 138.797   
  | 0.048189 2.52-05 0   
   | 0.009125 0.208418 0.31555   
   | 2.61E-07 0.000159 0.000   
  | 1589 5.162-05 8.063.59 0.01842   
  | 0.042652 0.002574 0.38002811   
   | 0.009073  | 0.000264 0.003342 45.9472   
  | 0.429897 1.415   | 15 0.000278 3.538  |
|  | -  | RQ<br>Avenue   | 7 209205 6 1163   
   
   | 2.646883333   
   | 0.34958   
   | 11 443  
  | 05 10 1975   | 2.060917 2.462108 0.555148<br>308.1113 481.6596 109.4656  
  | 0.00632 0  
   | 0.912456 0.052105 0.157775<br>0.003508 0.180475 0.211407  
   | 0.00013 0.000<br>2.68E-07 9.82E-05 0.000  
  | 1589 0.000032 5.375727 0.061466<br>1366 4.65E-05 3.475738 0.008274   
  | 0.426519 0.051487<br>0.020121 0.00185 0.23081996   
   | 0.153659  | 0.025418 0.334187<br>0.000162 0.002251 23.29858   
  | 0.1129/1 4.54  | 0.017901<br>06 0.000209 2.77   |
| Sum-High   | Surface and the  | HQ   | 1.199546  
   
   | 2.046436667   
   |   
   |   
  | 19.16/9  | 1.711729 1.926635 0.437971  
  | 0.003532 0   
   | 1.350781 0.045119 0.105703  
   | 0.000134 0.000  
  | 066 0.00093 2.317159 0.02758   
  | 0.201212 0.037   
   | 0.057069  | 0.016205 0.228114   
  |  | 0.010433   |
| Seepage  | - come probably  | 90th Percentile<br>180   | 7.681231 6.2365   
   
   | 72 1697.81  
   | 73.8573 50  
   | 1615 64.69  
  | 88 25.9669   | 402.21 627.168 142.607<br>2.2345 2.506672 0.570428  
  |  
   | 0.008123 0.215402 0.31425   
   |   
  | 1696 5.49E-05 9.88168 0.017359<br>1696 0.001097 6.587787 0.057864  
  | 0.042432 0.002566 0.35679254<br>0.424322 0.051326  
   | 0.002995<br>0.149763  | 0.000299 0.003262 45.9877   
  | 0.450796 1.425   | 05 0.000274 3.53   |
| _  | -  | Assures  | 7.786382 6.3505   
   
   | 07 1172.334375  
   | 117.0674 37   
   | 16854 29.974  
  | 199 15.33000   | 294.9977 461.0858 101.2331  
  | 0.021912 1.15E-05  
   | 0.0043 0.160951 0.208465  
   | 2.352-07 0.000101 0.000   
  | 0H1 3.8E-05 3.199062 0.009071  
  | 0.021307 0.001783 0.2309056  
   | 0.002674  | 0.000152 0.002381 23.09146  
  | 0.323677 7.048   | 06 0.000202 2.63   |
| Sean-Climate   | Filler series  | HQ   | 1.197905  
   
   | 1.953899958   
   | 0.585337  
   |   
  |  | 1.637818 1.844345 0.404932  
  | 0.003549 0   
   | 0.429953 0.040238 0.104232  
   | 0.000138 0.000  
  | 1941 0.00076 2.132041 0.030235   
  | 0.213072 0.035662  
   | 0.063721  | 0.0152 0.238118   
  |  | 0.010085   |
| Change   |  | 90th Percentile<br>18Q   | 7.674338 6.2369   
   
   | 02 1568.46<br>2.6141  
   | 73.1593 49  
   | 9634 48.915   
  | 52 24.7955   | 368.772 611.896 128.836<br>2.048733 2.447584 0.515344   
  |  
   | 0.000179 0.206446 0.31024   
   |   
  | 0664 5.01E-05 6.21109 0.018366<br>0664 0.000002 4.140727 0.062835  
  | 0.040888 0.002572 0.37637685   
   | 0.002959<br>0.147932  | 0.000224 0.003347 45.8907<br>0.02237 0.114655   
  | 0.439313 1.538   | 05 0.000274 3.54   |
|  |  | Avenge   | 7.832163 6.4258   
   
   | 93 3704.352089  
   | 214.572 62  
   | 19733 86.273  
  | 61 64.31119  | 1063.208 1653.102 325.3194  
  | 0.09612 5.55E-05 1   
   | 0.004895 0.459594 0.801028  
   | 7.01E-07 0.000341 0.000   
  | 213 2.096-05 8.052613 0.039642   
  | 0.064522 0.005636 0.8865982  
   | 0.007374  | 0.000719 0.009117 49.87008  
  | 1.26774 3.95   | 15 0.000737 1.098  |
| Sean - Reve Lin  | e Faller periods   | HQ<br>90th Percentile  | 1.204948  
   
   | 6.173920148   
   | 1.07286   
   | 8.71 216.0  
  |  | 5.906713 6.612407 1.301278<br>2157.6 4605.73 875.61   
  | 0.013504   
   | 1.489347 0.114899 0.400519<br>0.024948 1.19952 2.09994  
   | 0.000551 0.000  
  | 1213 0.000417 5.365409 0.13214<br>1449 3.55E-05 13.1351 0.063565   
  | 0.645215 0.13271   
   | 0.3687  | 0.071885 0.911748<br>0.001378 0.021199 59.674   
  |  | 0.03684  |
|  |  | 100 PUCCHES  | 1.189773  
   
   | 16.13826667   
   | 0.54092   
   | 8./1 216.0  
  | 24 1/4.355   | 16.43111 18.42316 3.50244   
  |  
   | 2.4948 0.29988 1.04947  
   |   
  | H49 0.000711 8.756733 0.211852   
  | 0.90409 0.326728   
   | 0.79232   | 0.13783 2.11987   
  | 1.0018 12-4  | 0.092202   |
|  |  | Asenge<br>HO   | 7.819581 6.4288   
   
   | 21 4550.822089 2.584709481  
   | 234.9312 73.  
   | 21965 101.33  
  | 03 80.21045  | 1333.454 2073.972 404.9175<br>7.408079 8.29589 1.62967  
  | 0.104005 6.082-05  
   | 0.007793 0.568757 0.992062  
   | 7.962-07 0.000281 0.000<br>0.000298 0.000   
  | 1235 2.295-05 8.364499 0.041346<br>1235 0.000459 5.576333 0.13782  
  | 0.06439 0.005112 1.07630597<br>0.6939 0.162239   
   | 0.008712<br>0.435599  | 0.000925 0.010705 51.79523<br>0.092436 1.070525   
  | 1.516677 4.31-   | 0.000905 1.29  |
| Suan - High<br>Scepage   | Faller periods   | 90th Percentile  | 7.724812 6.2369   
   
   | 7.584709481   
   |   
   | 1.168 241.1   
  | 2 195.882  | 3305.74 5144.51 994.029   
  |  
   | 0.028009 1.35626 2.38215  
   | 1.512-06 0.000663 0.00  
  | 1235 0.000409 5534444 0.13/82<br>1454 4.47E-05 13.459 0.064347   
  | 0.10756 0.019051 2.4964789   
   |   | 0.001779 0.024647 64.3839   
  | 4.67028 8.166  | 0.045253   |
|  |  | 18Q  | 1.185433  
   
   |   
   | 0.540175  
   |   
  |  | 18.36522 20.57806 3.956116  
  | 0.036091   
   | 2.80092 0.339065 1.191075   
   | 0.000753 0.000  
  | H54 0.000894 8.972667 0.214489   
  | 1.0756 0.3 \$101 \$  
   | 0.927145  | 0.173851 2.45474  
  |  | 0.106947   |
|  |  | Avenge   | 7.833114 6.429  
   
   | 99 3520.820443  
   | 209.8336 60.  
   | 2065 82.55  
  | 28 60.8474   | 1004.834 1542.238 307.855   
  |  
   |   
   |   
  |  
  | 0.06298 0.005344 0.84507394  
   | 0.00707   | 0.00066 0.003683 49.43825   
  | 1.199407 3.776   | 0.014957   |
| Same Charles   |  | 110  | 1.305005  
   
   | 5 659034077   
   |   
   |   
  |  | 5587414 6 748957 1 71147  
  | 0.01791  
   | 234549 0.105517 0.779514  
   | 0.0005320 0.000   
  | 212 0.000419 5.295116 0.129409   
  | 0.629801 0.126021  
   | 0.151492  | 0.055055 0.555209   
  |  |  |
| Sman -Climate<br>Change  | Fallest periods  | 90th Percentile  | 1.205095<br>7.729618 6.2365   
   
   | 02 9831.22  
   | 107.555 1   
   | 0.72 220.6  
  | 11 177.116   | 5.582414 6.248952 1.27142<br>3005.02 4679.66 889.206  
  | 0.142085 9.246-05  
   | 0.024569 1.218 2.13179  
   | 1.25-06 0.000558 0.00   
  | H58 3.62E-05 13.107 0.058596   
  | 0.094482 0.016583 2.17601873   
   | 0.015061  | 0.001447 0.022401 58.466  
  | 3.44776 6.658  | 05 0.001872 2.04   |
| Change<br>HQ >1<br>HQ >5<br>HQ >10   | Faller proints   |  | 7.729618 6.2369   
   
   | 02 9831.22<br>36.38536667   
   | 107.555 1<br>0.537775   
   |   
  |  | 5.582414 6.248952 1.22142<br>2005.02 4679.66 589.266<br>56.69456 58.71864 2.55624   
  | 0.142085 9.246-05  
   | 0.034560 1.218 2.13179<br>2.45692 0.3045 1.065895   
   | 12E-66 0.00558 0.00<br>0.00598 0.00   
  |  
  | 0.094482 0.016553 2.17001872<br>0.044815 0.331656  
   | 0.036063  | 0.001447 0.022441 58.486<br>0.144777 2.24814  
  | 3.44776 6.688  |  |
| Change<br>HQ >1<br>HQ >5   | Faller proids  | 90th Percentile  |   
   
   | 02 9831.22  
   | 107.555 1<br>0.537775   
   | 0.72 220.6  
  |  | 550044 624092 12142<br>2005.02 4679.66 889.206<br>5689456 1871866 1.55624<br>Na CI 504<br>18000 22000 22000   
  | 0.142085 9.246-05  
   | 0.024569 1.218 2.13179  
   | 1.22:-46 0.000558 0.000<br>0.000598 0.000   
  | N458 3.628-66 13.007 0.058596<br>N458 0.000724 9.728 0.10532   
  | 0.094482 0.016583 2.17601873   
   | 0.036063  | 0.001447 0.022401 58.466  
  | 1.447% 6.648<br>Ag 5a 5r 11  | 05 0.001872 2.04   |
| Changy<br>HQ>1<br>HQ>5<br>HQ>10<br>slations - De G   | Fallee preints   | 90th Percentile<br>180   | 7.729418 6.2569<br>1.189972<br>9H pe<br>6.5 -<br>7.812372 6.3051  
   
   | 72 9931.22<br>36.38536667<br>TD6<br>60009<br>21 100.96725   
   | 007.555 11<br>0.537775<br>Alkalishy<br>2000<br>136.4734 28  
   |   
  |  | 5502.44         6.240972         1.22142           3005.62         4679.64         882.56           16.004.05         0.071566         2.554224           Na         CI         504           18000         2.5800         2.5900           251846         3.25849         3.5549   
  | Al Sb<br>- J<br>0.17287 2.71545  
   | Ac B Ba<br>1004500 0.1045 1.865895<br>Ac B Ba<br>10 4000 2005   
   | 125-66         0.006558         0.000           0.006598         0.0000           0.006598   
  | HER 2425-05 13.07 0.05596<br>HER 0.000724 E728 0.10522<br>M C2 F F<br>00 50 150 20<br>154 4.05150 0.02543  
  | 6.05442 6816053 21700187<br>6.044815 6.111656<br>Hg Ma Mo Tool Nave<br>1 10 50 -<br>6.110558 601660 0.2005000  
   | 0.015061<br>0.385025<br>1 Ni P<br>29 -<br>0.001341  | 0.001447 0.022416 53.466<br>0.144777 2.24884<br>P8 56 51<br>10 00 -<br>7.74845 0.0005 22.79025  
  | 1,44776 6.688<br>Ag Se Se 10<br>   | 05 0.001872 2.04<br>0.093601   |
| Change<br>HQ >1<br>HQ >5<br>HQ >10   | Faller preists   | Avenue<br>Avenue<br>HQ<br>90th Purcentile  | 7.729418 6.2369<br>1.189972<br>pH pc  
   
   | 72 9831.22<br>963936667<br>9639836667<br>968069<br>21 1960,96725<br>96806849454<br>72 1982,36   
   | 07.555 1<br>0.537775<br>Alkalishy<br>2000<br>136.4734 28.<br>0.08524  
   | Ca Mg   
  |  | 5502144         6240072         122142           2005.52         407.84         882.50           16.00456         0271566         3.55624           18000         25600         25600           255804         355.9935         94.4552           225804         355.9935         94.4552           225804         355.9935         94.4552           242.644         652.747         175.866   
  | Al Sb<br>- 1<br>0.17287 2.71645<br>0.17287 2.71645<br>0.022646<br>0.022646   
   | Adv         B         Ba           Adv         B         Ba           10         4000         20000           000711         0.14421         0.151515           1.16424         1.34544         0.24544           0.00211         0.14421         0.151515           0.102099         0.24244         0.245424         0.245424   
   | 1.25:66         0.000558         0.000           0.0005798         0.000         0.000           1.15556         0.0004002         0.000  
  | HCE         LACE-KS         1.207         0.03556           MCS         0.000724         8.778         0.10122           M         Cr         F         Fu           M0         5.01         5.00         1.000           M1         5.01         1.000         0.000714           M2         F         Fu         0.1012           M3         1.000         1.000         0.00014           M3         M2.000         1.000071         0.000141           M3         0.00011         0.000171         0.000171           M3         0.00011         0.000171         0.000171   
  | 0.00442 001053 2170157<br>0.04403 0211105<br>100000 0211105<br>100000 001000 020000<br>0.0200 021000 020000<br>0.0200 021000 020000<br>0.0200 02100 020000   
   | 0.016061<br>0.805025  | 0.001447 0.022484 58.465<br>0.144777 2.24884<br>0.144777 2.24884<br>0.144777 2.24884<br>0.1010 10 59<br>7.78456 0.000397<br>0.000207 0.0005 46.6114<br>0.000207 0.0005 46.6114  
  | Ag Sa Sr Ti<br>  | 05 0.001872 2.04<br>0.093601<br>U V<br>20 -<br>06 0.000257 5.88<br>15 0.000445 0.000   |
| Changy<br>HQ>1<br>HQ>5<br>HQ>10<br>slations - De G   | Fullee preists   | 90th Percentile<br>18Q<br>Avenge<br>HO   | 7.729418 6.2566<br>1.889072<br>6.5<br>7.812772 6.5<br>1.201903  
   
   | 72 9831.22<br>96.38536667<br>TD55<br>60000<br>21 1010.96725<br>0010649454   
   | 07.555 1<br>0.537775<br>Alkalishy<br>2000<br>136.4734 28.<br>0.08524  
   | Ca Mg   
  | K<br>155 14.62731  | 5150-14         6.240972         1.22142           2005.82         407.86         882.06           8.80456         18.71868         3.55824           18.0000         25000         25000           225.614         355.5985         9.445534           0021262         2002242         4003714   
  | Al Sb<br>- 1<br>0.17287 2.71645<br>0.17287 2.71645<br>0.022646<br>0.022646   
   | Au B Ba<br>10 4000 2000<br>Au B Ba<br>10 4000 2000<br>0.00711 0.13421 0.131555<br>1.01450 2.000   
   | 1.25:66         0.000558         0.000           0.0005798         0.000         0.000           1.15556         0.0004002         0.000  
  | MES         JAZE-65         11.007         0.051596           MES         0.000724         3.734         0.10132           M         Cr         F         F0           MO         50         1.500         20           MO         50         1.500         20           MO         50         1.500         20           MO         50         1.500         20   
  | 6.05442 6816053 21700187<br>6.044815 6.111656<br>Hg Ma Mo Tool Nave<br>1 10 50 -<br>6.110558 601660 0.2005000  
   | 0.015061<br>0.385025<br>1 Ni P<br>29 -<br>0.001341  | Pb         Sa         Si           Pb         Sa         Si           10         10         -           7.74E-66         0000197         -  
  | Ag Sa Sr Ti<br>  | 05 0.001872 2.04<br>0.093601<br>U X<br>20<br>66 0.001257 3.00<br>1.288-05  |
| Change<br>HQ>1<br>HQ>5<br>HQ>50<br>HQ>10<br>De Grey - Base<br>Line   | Parameter<br>Lowcet Critori<br>Filling periods   | Avenue<br>Avenue<br>HQ<br>90th Purcentile  | 7.729418 6.2566<br>1.889072<br>6.5<br>7.812772 6.5<br>1.201903  
   
   | 72 9831.22<br>963936667<br>9639836667<br>968069<br>21 1960,96725<br>96806849454<br>72 1982,36   
   | Alkalishy<br>30006<br>316.4734 28:<br>0.006424<br>72.3621 36<br>0.006424<br>72.3621 36<br>0.006454  
   | Ca Mg   
  | K<br>155 14.62731  | 5502144         6240072         122142           2005.52         407.84         882.50           16.00456         0271566         3.55624           18000         25600         25600           255804         355.9935         94.4552           225804         355.9935         94.4552           225804         355.9935         94.4552           242.644         652.747         175.866   
  | Al Sb<br>- 3<br>0.17287 271645<br>0.17287 271645<br>0.17287 271645<br>0.153164 5.01645<br>1.382645<br>0.153184 5.882645  
   | Adv         B         Ba           Adv         B         Ba           10         4000         20000           000711         0.14421         0.151515           1.16424         1.34544         0.24544           0.00211         0.14421         0.151515           0.102099         0.24244         0.245424         0.245424   
   | I.25:66         0.000558         0.000           0.000578         0.000         0.000           0.000578         0.000         0.000           Bu         CG         Co         C           60         2         -         200           3.35:0-0         0.000197         0.000         1.777           1.35:5:0-5         0.004102         0.001         1.256           7.26:6:6-6         0.005155         0.001         2.56   
  | HCE         LACE-KS         1.207         0.03556           MCS         0.000724         8.778         0.10122           M         Cr         F         Fu           M0         5.01         5.00         1.000           M1         5.01         1.000         0.000714           M2         F         Fu         0.1012           M3         1.000         1.000         0.00014           M3         M2.000         1.000071         0.000141           M3         0.00011         0.000171         0.000171           M3         0.00011         0.000171         0.000171   
  | 0.00442 001053 2170157<br>0.04403 0211105<br>100000 0211105<br>100000 001000 020000<br>0.0200 021000 020000<br>0.0200 021000 020000<br>0.0200 02100 020000   
   | 0.015061<br>0.385025<br>1 Ni P<br>29 -<br>0.001341  | 0.001447 0.022484 58.465<br>0.144777 2.24884<br>0.144777 2.24884<br>0.144777 2.24884<br>0.1010 10 59<br>7.78456 0.000397<br>0.000207 0.0005 46.6114<br>0.000207 0.0005 46.6114  
  | Ag Sa Sr Ti<br>  | 05 0.001872 2.04<br>0.093601<br>U V<br>20 -<br>06 0.000257 5.88<br>15 0.000445 0.000   |
| Changy<br>HQ>1<br>HQ>5<br>HQ>10<br>slations - De G   | Faller prints  | 9th Percentle<br>30Q<br>Avenge<br>HQ<br>9th Percentle<br>30Q<br>Avenge<br>HQ<br>9th Percentle  | pit         pic           6.5         -           7.312372         6.3051           1.331903         7.352372           7.312372         6.3051           1.331903         7.352301           7.312372         6.3051           1.36462         7.31355           7.312374         6.3061           7.312374         7.317555   
   
   | TDS<br>663033536667<br>10538536667<br>10538536667<br>10538536667<br>10538536667<br>10538535<br>105385454<br>105385454<br>105385454  
   | Alkalishy<br>30006<br>316.4734 28:<br>0.006424<br>72.3621 36<br>0.006424<br>72.3621 36<br>0.006454  
   | Ca Mg<br>25646 41.163<br>2913 80.14<br>2917 41.186  
  | E<br>  | Statisti & Campo L         Linke           DC0 2         47.0         89.2           Dc0 2         47.0         89.2           Dc0 2         57.0         155024           Dc0 2         50.0         25000           Dc0 2         50.0         25000           Dc0 2         0.0         2500           Dc2 50.0         0.0         0.0           Dc2 50.0         0.0   
   | Al 30<br>- 12005 924E-65<br>- 655884<br>- 1<br>- 0.02584<br>- 1<br>- 0.02584<br>- 0.02584   
   | Ac         B         Ba           10         4600         10045         100495           10         4600         2006         10045           10         4600         2006         10045           10         4600         2006         10045           10         4600         2006         10045           10         4600         2006         10045           10011         6.15017         5.1546         2.2005           100200         4.071-46         0.00142         2.2004           100200         4.071-46         0.05102         3.2547           100200         4.02146         4.25003         1.2567   
   | 1.12-64 0.00555 0.000<br>0.000598 0.000<br>66 2 - 20<br>1.135-64 0.00187 0.000<br>1.135-64 0.00187 0.000<br>1.135-64 0.00187 0.000<br>1.135-64 0.00187 0.000<br>1.135-64 0.00181 0.000  
  | ME         LADE 40         LADE 40         LADE 40           ME         0.00724         8731         0.1932           M         CF         F         0.           M         S0         1.00         0.1932           M         S0         1.00         0.0           M         S0         1.00         1.00           M         S0         1.00         1.00           M         S0         1.00         1.00           M         S0         1.00         1.00           M         S0         1.00         1.00 <td>Important         Description         Description           Important         Important         Teal Name           Important</td> <td>0.0.16360<br/>0.885025<br/><b>N P</b><br/><b>30</b> -<br/>0.004341<br/>0.00217<br/>0.009454<br/>0.009454<br/>0.000147</td> <td>B         Sa         Sa           B         14/17         22444           B         16/17         22444           B         10         10           T         34/26         60067           20102         60067         2.1921           20102         60067         2.1921           20102         60067         64114           20104         60007         20017</td> <td>Ag Sa Sr TI<br/>0.24285 9.340<br/>0.44466 225-<br/>0.24261 8.752</td> <td>U V<br/>30</td>   
  | Important         Description         Description           Important         Important         Teal Name           Important  | 0.0.16360<br>0.885025<br><b>N P</b><br><b>30</b> -<br>0.004341<br>0.00217<br>0.009454<br>0.009454<br>0.000147   
   | B         Sa         Sa           B         14/17         22444           B         16/17         22444           B         10         10           T         34/26         60067           20102         60067         2.1921           20102         60067         2.1921           20102         60067         64114           20104         60007         20017  | Ag Sa Sr TI<br>0.24285 9.340<br>0.44466 225-<br>0.24261 8.752  | U V<br>30  |
| Change<br>HQ >1<br>HQ >5<br>HQ >5<br>HQ >10<br>slations - De C<br>slations - De C<br>De Grey - High  | Parameter<br>Lowcet Critori<br>Filling periods   | 9th Percentle<br>300<br>Aronge<br>HQ<br>9th Percentle<br>300<br>Aronge<br>HQ<br>HQ   | 2.720618 6.2565<br>8.180072<br>   
   
   | TDS<br>663033536667<br>10538536667<br>10538536667<br>10538536667<br>10538536667<br>10538535<br>105385454<br>105385454<br>105385454  
   | Aliadiały<br>36000<br>1364734 28.<br>0.006824<br>72.8621 36<br>0.00643<br>136.5506 28.<br>0.006828  
   | Ca Mg<br>25646 41.163<br>2913 80.14<br>2917 41.186  
  | E<br>  | SASAHA 6.20005         L33424           SOL 21         47.00         88.206           Di Ballo         88.206         88.206           Ballo         1.57000         1.55000           Damos         2.6000         2.6000           Di Ballo         2.55000         9.6000           Di Ballo         2.55000         9.6000           DI Sallo         5.55000         9.61500           DI Sallo         5.55000         9.61500           DI Sallo         5.55000         9.615000           DI Sallo         5.55000         9.615000           DI Sallo         5.55000         9.615000           DI Sallo         5.55000         9.615000           DI Sallo         5.55000         9.617000           DI Sallo         5.55000         9.  
  | Al Sb<br>- 3<br>01237 2114-65<br>022364<br>- 3<br>022564<br>13276 2114-65<br>025564
53516-65<br>13376-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>1347-65<br>134   | Ad         B         Ba           10         4000         10.055         1.065995           10         4000         2000         0.00011         0.00012           10         4000         2000         0.00011         0.01002         0.00012           11.1146         3.13519         0.000142         0.000142         0.000142         0.000142           0.00209         6.010442         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142         0.000142      
  0.000142         | 122-64         0.00555         0.00           0.00579         0.00           0.00579         0.00           0.00579         0.00           0.00579         0.00           0.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00     
     1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570         0.00           1.00570   | HE         LADE-01         LADE-05         LADE-05         LADE-05           48         0.002724         8.731         0.19522           49         CF         F         7.0           50         39         350         0.0323           40         1.902         1.90         0.0122           40         4.0424         4.04517         0.03147           50         1.90         1.902         0.0311           54         4.0246         4.04517         0.03147           50         1.9022         1.03147         0.03141           50         0.0247         0.03147         0.03147           51         6.01264         4.00411         0.03141           6.01266         0.0111         0.00171         0.0147           51         6.0264         4.00111         0.00171           51         6.0264         4.0011         0.00171           52         6.0264         0.0111         0.00174           54         0.00091         0.0144         0.01144   
  | 0.04442         0.04443         2.1708172           0.04443         0.331656         3.331656           0.04443         0.331656         3.331656           1         10         50         3.05166           0.04443         0.331656         3.00000         3.00000           0.0423         0.331656         3.00000         3.00000           0.0224         0.030466         0.00000         3.0779946           0.01224         0.030466         0.000000         0.000000           0.02245         0.000000         0.000000         0.000000           0.02224         0.000000         0.000000         0.000000  
   | 0.0.16360<br>0.885025<br><b>N P</b><br><b>30</b> -<br>0.004341<br>0.00217<br>0.009454<br>0.009454<br>0.000147   | B01447         A023401         55.465           0.14477         2.24846         5           10         10         -           7.94-66         680946         2.27826           0.0027         0.003         64.1472           2.944-6         680946         2.27826           0.00217         0.003         46.114           2.978-64         680977         2.378344           2.978-64         680977         2.378444   
  | Ag 5a 59 TE<br>0.31285 9.50<br>0.44668 2.25<br>0.32391 8.375<br>0.44324 1.395  | U V<br>0.001972 2.04<br>0.095401<br>0.095401<br>0.000257 5.39<br>1.282-65<br>0.000257 5.39<br>1.242-65<br>0.000595 0.000<br>1.972-65   |
| Change<br>HQ>1<br>HQ>5<br>RQ>50<br>RQ>50<br>elations - De G<br>laters - Rase<br>Line<br>De Grey - Rase<br>Line<br>De Grey - High<br>Swepge   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90 Pocorile<br>180<br>Anongo<br>190<br>Pocorile<br>180<br>90 Pocorile<br>180<br>90 Pocori<br>180<br>90 Pocorile<br>180<br>90 Pocori<br>180<br>90 Pocorile<br>180<br>90 Pocoril   | 94         pe           6.5         -           7.312372         4.3051           1.310037         -           7.312375         4.3051           1.310037         -           7.312375         4.3051           1.312535         4.304           1.312535         4.304           1.312535         4.304           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.2566           1.312737         4.3266           1.312737         4.3266           1.312737         4.3266           1.312737         4.3266           1.312737         4.3266  
   | TDS<br>66000<br>21 104.00735<br>0.00604045<br>21 104.00735<br>0.0066464<br>21
101.77035<br>0.0066464<br>22 1786.65<br>0.0066464<br>33 005.075135<br>0.005.075135   
  | 97.55 1<br>0.53775<br>2000<br>106.4714 28.<br>0.06654<br>22.6521 26<br>0.06654<br>105.568 28.<br>0.06658<br>135.568 28.<br>0.06679   
  | Ch Mg<br>5564 41.163<br>7913 50.14<br>15173 41.180<br>1936 50.52<br>17056 41.056   
   | E<br>  | SIGLIA 6.20005         Lipitot           DGG 21         4736.8         889.256           Lipitot         1786.8         889.256           Lipitot         1786.8         889.256           Lipitot         1786.8         1786.8           Lipitot         2500.5         2500.5           Lipitot         2500.5         2500.6           Lipitot         2500.5         2000.7           Lipitot         2500.6         2000.7           Lipitot   
   | Al 50<br>- 3<br>0.15285 0.248-55<br>- 0.25854<br>- 3<br>0.025854<br>1.887-85<br>0.025854<br>1.887-85<br>0.025854<br>1.887-85<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.02585<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.025855<br>0.0258555<br>0.025855<br>0.025855<br>0.0258555<br>0.02585555<br>0.02585  
  | Adv         B         Date           10         4500         1.214         2.11179           2,45602         0.1045         1.661895         1.661995           10         4500         2000         2000           10         4500         2000         2000           0.00219         0.2144         0.51539         0.2164           0.00210         0.0145         0.15397         0.11456         0.01512           0.00210         0.01454         0.015912         0.01547         0.01456         0.00142           0.000121         0.00142         0.00142         0.00142         0.00142         0.00142           0.000121         0.01474         0.00147         0.00142         0.00142         0.00142           0.000121         0.01474         0.13677         0.15677         0.00142         0.00142           0.000121         0.00142         0.000142         0.000142         0.000142         0.000142  
  | 122-64         0.000559         0.000           0.0005798         0.000         0.000           0.0005798         0.000         0.000           60         2         >.200           5.355-60         0.000579         0.000           4.170-66         1.000         0.000           1.212-64         0.001571         0.001           2.402-64         0.001553         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001           1.212-64         0.001515         0.001  
   | HB         LCD         F         Fs           B         CP         F         Fs           A         D256         CP         CP           B         D256         CP         CP           A         D256         CP         CP           A         D256         CP         CP           A         D256         CP         CP         CP           A         D266         CP         CP         CP           A         D266         CP         CP         CP           A         CP         CP         CP         CP   
   | By-Back         Back         Text Mark           Big         Mo         Mo         Text Mark           Big         Mo         Text Mark         Text Mark           Big         Mo         Text Mark         Text Mark           Big         Mo         Text Mark         Text Mark  | 0.015960<br>0.085025<br>0.00512<br>0.005145<br>0.00017<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145   
  | BD1447         ABD2401         Select           0.14477         2.2484         -           Pb         Se         S           10         0         -           7.54-0         600057         2.00024           2.074-0         600057         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00017         2.00024           2.074-0         6.00047         2.00024   | Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%  | U
V<br>30<br>2005<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100 |
| Change<br>HQ>1<br>HQ>5<br>HQ>50<br>HQ>10<br>Alations - De C<br>Line<br>De Grey - High<br>Stepage   | Parameter<br>Lowcet Critori<br>Filling periods   | Arenge<br>HQ<br>HQ<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>Mange<br>HQ<br>HQ<br>Mange<br>HQ<br>HQ<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA<br>HA   | pH         ps           6.5         -           7.329418         6.2566           8.309720         -           9.4         ps           6.5         -           7.3123721         6.3051           1.330903         7.53001           7.432301         6.306           1.302903         7.40347           7.413375         6.306           1.329931         7.302204           7.312320         7.40347           7.399294         6.312           1.0009841         7.40325  
   
   | TDS<br>66000<br>21 104.00735<br>0.00604045<br>21 104.00735<br>0.0066464<br>21 101.77035<br>0.0066464<br>22 1786.65<br>0.0066464<br>33 005.075135<br>0.005.075135  
   | 97.55 1<br>0.53775<br>2000<br>106.4714 28.<br>0.06654<br>22.6521 26<br>0.06654<br>105.568 28.<br>0.06658<br>135.568 28.<br>0.06679  
   | Ch Mg<br>5564 41.163<br>7913 50.14<br>15173 41.180<br>1936 50.52<br>17056 41.056  
  | E<br>  | SIGLIA 6.20005         Lipited           DOD 12         47364         809.326           Lipited         171000         170002           Lipited         171000         170002           Lipited         171000         170002           Lipited         170002         170002           Lipited         150002         26000           Lipited         1600220         0.00771           Lipited         1600210         171000           Lipited         1600210         0.00720           Lipited         1600210         0.00720           Lipited         1600210         0.00720           Lipited         165210         100004           Lipited         64524         0.00710           Lipited         64524         0.00710           Lipited         64524         0.00710           Lipited         64524         0.00710          
Lipited         54524         0.00710           Lipited         54524         0.00710           Lipited         54524         0.00710           Lipited         54526         0.00710           Lipited         54526         0.00710           Lipited<   | Al Sb<br>- 3<br>- 3<br>- 3<br>- 3<br>- 3<br>- 3<br>- 3<br>- 3   
  | Adv         B         Ha           10         4500         1.1019           2,8662         0.1045         1.061995           10         4500         2000           10         4500         2000           11         1.04.101         1.51535           11         1.04.24         2.58640           11         1.04.24         2.58640           11         1.04.24         2.58640           00071         0.14450         0.00142           000020         6777-6         0.14450         0.00142           000021         6.17147         6.000142         0.00142           000022         6.17147         6.000142         0.000142           000021         6.17147         6.11479         6.000142           000042         0.000142         0.000142         0.000142           000043         6.11479         6.000142         0.000142           000044         0.000142         0.000142         0.000142           000045         0.000142         0.000142         0.000142           000046         0.000142         0.000142         0.000142           000045         0.000142         0.000142   
  | L2:0-6         0.000559         0.000           0.000579         0.000           0.0005798         0.000           0.0005798         0.000           0.0005798         0.000           0.0005798         0.000           0.0005798         0.000           1.3156-06         0.001979           1.3172-06         0.000           1.3172-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3126-06         0.001311           1.3176-07         0.00141           1.3176-07         0.00141  
   | CC         F         Fa           0         CC         F         Fa           0         CC         F         Fa           0         S0         S0         S0           10         S0         S0         S0           21         S0         S0         S0           21         S0         S0         S0           31         S0         S0         S0           31         S0         S0         S0  
   | Big         Mo.         Mo.         Tend Yang           Big         Mo.         Tend Yang         Tend Yang           Big         Tend Yang   
  | 0.015960<br>0.085025<br>0.00512<br>0.005145<br>0.00017<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145<br>0.000145  | B         54         54         54           10         10         10         10         10           10 <td>Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%</td> <td>U V<br/>30<br/></td>   | Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%   
  | U V<br>30<br>  |
| Change<br>HQ>1<br>HQ>5<br>RQ>50<br>RQ>50<br>elations - De G<br>laters - Rase<br>Line<br>De Grey - Rase<br>Line<br>De Grey - High<br>Swepge   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90 Pocorile<br>180<br>Anongo<br>190<br>Pocorile<br>180<br>90 Pocorile<br>180<br>90 Pocori<br>180<br>90 Pocorile<br>180<br>90 Pocori<br>180<br>90 Pocorile<br>180<br>90 Pocoril   | BI         pi           6.5         -           7.125712         6.365           7.112572         6.365           7.512017         6.365           7.512017         6.365           7.512017         6.365           7.512017         6.365           1.500931         7.51201           7.512017         6.312           1.500931         7.797279           7.972729         6.312           1.505631         6.286   
   | TDS           6601.22         86.39655667           100.396755667         86.396755           21  
      100.39725           000.09725         86.396755           30         100.597357           30         100.597357           30         1000.5975757           30         1000.5975757   
   | 097.555         11           0.537775         0.537775           0.537775         0.051775           0.006120         20000           106.4374         20.00           0.006424         22.8521           0.006425         22.8521           0.006426         23.801640           0.036426         20.00642           0.036426         0.00642           0.036426         0.00642           0.036427         0.00642           0.036428         22.9077           0.002640         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643           0.002643         0.002643   
   | Ch Mg<br>5564 41.163<br>7913 50.14<br>15173 41.180<br>1936 50.52<br>17056 41.056  
  | E<br>  | No.6         Q.         Solution           No.6         Q.         Q.         Q.           No.7         Q.         Q.         Q.           No.7         Q.         Q.         Q.           No.7         Q.         Q.         Q.           Q.         Q.         Q.         Q.         Q.           Q.  
   | Al 28<br>e802004<br>- 1<br>- 3<br>- 3<br>0.17287 2.7114-51<br>0.022-65<br>0.022465<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.02245<br>0.022  
  | An         B         Ba           Au         B         Ba           B         Control         Like           B         Like         Like           B   
   | L2:6-6         0.00555         0.00           0.00059         0.00         0.00           0.000590         0.00         0.00           0.000590         0.00         0.00           0.000590         0.00         0.00           0.000590         0.00         0.00           0.000590         0.00         0.00           1.17:6-0         0.00059         0.00           1.202-00         0.00059         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.00051         0.00           1.202-00         0.000534         0.00   
  | HE         LADE 0F         LADE 0F         LADE 0F         LADE 0F           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000 <td< td=""><td>Big         Mo         Mo         TealNag           1         0         0         0         0           1         0         0         0         0         0           1         0         <td< td=""><td>0.016663<br/>0.010025<br/><b>30 P</b><br/><b>30 P</b><br/><b>30 C</b><br/>0.000414<br/>0.000217<br/>0.000464<br/>0.000172<br/>0.000464<br/>0.000172<br/>0.000745<br/>0.000745<br/>0.000274<br/>0.000274<br/>0.000274<br/>0.000275</td><td>BB(H47)         8022481         55.465           6 14177         223482         -           19         50         51           19         50         -           2014         60000         2.3150           2015         60000         2.3150           2015         0.0007         4010           2016         0.0007         4010           2016         0.0007         40007           2016         0.0007         40007           2017         0.0007         40007           2015         0.0008         2.3150           4.0000         0.0007         4.000           2015         0.0008         4.3171           2016         4.0008         4.3171</td><td>Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%</td><td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td></td<></td></td<>   
  | Big         Mo         Mo         TealNag           1         0         0         0         0           1         0         0         0         0         0           1         0 <td< td=""><td>0.016663<br/>0.010025<br/><b>30 P</b><br/><b>30 P</b><br/><b>30 C</b><br/>0.000414<br/>0.000217<br/>0.000464<br/>0.000172<br/>0.000464<br/>0.000172<br/>0.000745<br/>0.000745<br/>0.000274<br/>0.000274<br/>0.000274<br/>0.000275</td><td>BB(H47)         8022481         55.465           6 14177         223482         -           19         50         51           19         50         -           2014         60000         2.3150           2015         60000         2.3150           2015         0.0007         4010           2016         0.0007         4010           2016         0.0007         40007           2016         0.0007         40007           2017         0.0007         40007           2015         0.0008         2.3150           4.0000         0.0007         4.000           2015         0.0008         4.3171           2016         4.0008         4.3171</td><td>Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%</td><td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td></td<>   | 0.016663<br>0.010025<br><b>30 P</b><br><b>30 P</b><br><b>30 C</b><br>0.000414<br>0.000217<br>0.000464<br>0.000172<br>0.000464<br>0.000172<br>0.000745<br>0.000745<br>0.000274<br>0.000274<br>0.000274<br>0.000275   | BB(H47)         8022481         55.465           6 14177         223482         -           19         50         51           19         50         -           2014         60000         2.3150           2015   
     60000         2.3150           2015         0.0007         4010           2016         0.0007         4010           2016         0.0007         40007           2016         0.0007         40007           2017         0.0007         40007           2015         0.0008         2.3150           4.0000         0.0007         4.000           2015         0.0008         4.3171           2016         4.0008         4.3171  | Ag         Sa         Sa         Ti           0.332a9         0.4         0.4         0.4           0.44324         0.4         0.4         0.4           0.43234         0.4         0.4         0.4           0.43244         1.5%         0.41324         1.5%  | U V<br>0.001972 2.04<br>0.002501<br>0.002501<br>0.000257 5.00<br>1.232-05<br>0.000645 0.00<br>2.232-05<br>0.000547 5.28<br>1.242-05<br>0.000257 5.39<br>1.412-05<br>0.000257 5.39<br>1.412-05<br>0.000257 5.05<br>0.000257 5.05<br>0.000578 0.00<br>0.000527 7.53<br>1.412-05<br>0.000578 0.00<br>0.000518 0.232<br>0.000518 0.0005<br>0.000518 0.0005<br>0.0005<br>0.000518 0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005   |
| Charge<br>HQ >1<br>HQ >2<br>HQ >10<br>HQ >10<br>HQ >10<br>Dr Gray - Rare<br>Line<br>Dr Gray - High<br>Srepage<br>Dr Gray - Claust<br>Charge<br>Dr Gray - Rare  | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90.h Posterile<br>180<br>HQ<br>90.h Posterile<br>180<br>90.h Posterile<br>180<br>90.h Posterile<br>180<br>90.h Posterile<br>180<br>90.h Posterile<br>180<br>90.h Posterile<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage<br>180<br>Manage | pli         pe           63         -           5,1272         635           2,31272         636           1,1000         1,0000           1,0000         1,0000           1,0000         1,0000           1,0000         1,0000           1,0000         1,0000           1,0000         1,0000           1,0000         1,0000           1,00000         1,0000           1,00000         1,0000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,00000         1,00000           1,000000         1,00000           <   
   
   | TDS           BS20053687           1000           21           1010           21           1011           21           1011           21           1011 <td>397.555         11           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           9.005612         2           9.005613         1           9.005643         1           9.005643         1           9.005644         1           13.58965         2           9.005777         36           9.00563         1           9.005643         1           9.00563         9           9.00443         2           0.004432         2           0.004432         2</td> <td>Ca Mg<br/>25666 41.163<br/>7913 50.146<br/>1936 50.32<br/>1936 50.32<br/>17856 41.056<br/>0663 50.37</td> <td>K<br/>155 14.6-2731<br/>67 25.7278<br/>43 14.6-4005<br/>86 25.6463<br/>40 14.35740<br/>73 23.3006<br/>35 11.407</td> <td>No.         C.         South         South           No.         C.         South         South         South           South         South         South         South         South         South           South         South         South         South         South         South         South           South         South         South         South         South         South         South         South         South         South         South         South<!--</td--><td>Al SP<br/>- 246-45<br/>- 252994<br/>Al SP<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2</td><td>Adv         B         Ba           Adv         B         Ba           B         <t< td=""><td>L2:0-46         0.000055         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           60         2         -         300           1.000050         0.00007         0.000         0.000           1.000050         0.00007         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0</td><td>Her         3.222-01         3.320         0.05556           0.022-02         1.726         0.05557           0.022-02         1.726         0.05557           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02572</td><td>6:0H-02         6:0E-02         2:1E-0E           Big         Mo         Mo         Tene Views           Big         Tene Views         Tene Views         Tene Views           Big         Tene Views         Tene Views</td><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>Bit Her         Bit Her         Bit Her         Bit Her           P         50         5         5           ID         10         10         10         10           T. Mic G         6.00000         2.00000         10</td><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>20<br/>0093501<br/>U V<br/>20<br/>0093501<br/>U
V<br/>20<br/>0093501<br/>1,286-65<br/>00,000505<br/>0,2226-05<br/>00,000505<br/>0,226-05<br/>0,000505<br/>0,000505<br/>1,416-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,000510<br/>2,000510<br/>1,000<br/>1,00050<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000</td></t<></td></td>  | 397.555         11           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           9.005612         2           9.005613         1           9.005643         1           9.005643         1           9.005644         1           13.58965         2           9.005777         36           9.00563         1           9.005643         1           9.00563         9           9.00443         2           0.004432         2           0.004432         2  
  | Ca Mg<br>25666 41.163<br>7913 50.146<br>1936 50.32<br>1936 50.32<br>17856 41.056<br>0663 50.37   
   | K<br>155 14.6-2731<br>67 25.7278<br>43 14.6-4005<br>86 25.6463<br>40 14.35740<br>73 23.3006<br>35 11.407   | No.         C.         South         South           No.         C.         South         South         South           South         South         South         South         South         South           South         South         South         South         South         South         South           South         South         South         South         South         South         South         South         South         South         South         South </td <td>Al SP<br/>- 246-45<br/>- 252994<br/>Al SP<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2<br/>- 2</td> <td>Adv         B         Ba           Adv         B         Ba           B         <t< td=""><td>L2:0-46         0.000055         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           60         2         -         300           1.000050         0.00007         0.000         0.000           1.000050         0.00007         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0</td><td>Her         3.222-01         3.320         0.05556           0.022-02         1.726         0.05557           0.022-02         1.726         0.05557           0.02         1.726        
0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02572</td><td>6:0H-02         6:0E-02         2:1E-0E           Big         Mo         Mo         Tene Views           Big         Tene Views         Tene Views         Tene Views           Big         Tene Views         Tene Views</td><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>Bit Her         Bit Her         Bit Her         Bit Her           P         50         5         5           ID         10         10         10         10           T. Mic G         6.00000         2.00000         10</td><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>20<br/>0093501<br/>U V<br/>20<br/>0093501<br/>U V<br/>20<br/>0093501<br/>1,286-65<br/>00,000505<br/>0,2226-05<br/>00,000505<br/>0,226-05<br/>0,000505<br/>0,000505<br/>1,416-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,000510<br/>2,000510<br/>1,000<br/>1,00050<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000</td></t<></td> | Al SP<br>- 246-45<br>- 252994<br>Al SP<br>- 2<br>- 2<br>- 2<br>- 2<br>- 2<br>- 2<br>- 2<br>- 2  
  | Adv         B         Ba           Adv         B         Ba           B         B         Ba           B <t< td=""><td>L2:0-46         0.000055         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           60         2         -         300           1.000050         0.00007         0.000         0.000           1.000050         0.00007         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0</td><td>Her         3.222-01         3.320         0.05556           0.022-02         1.726         0.05557           0.022-02         1.726         0.05557           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02572</td><td>6:0H-02         6:0E-02         2:1E-0E           Big         Mo         Mo         Tene Views           Big         Tene Views         Tene Views         Tene Views           Big         Tene Views         Tene Views</td><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>Bit Her         Bit Her         Bit Her         Bit Her           P         50         5         5           ID         10         10         10         10           T. Mic G         6.00000         2.00000         10</td><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>20<br/>0093501<br/>U V<br/>20<br/>0093501<br/>U
V<br/>20<br/>0093501<br/>1,286-65<br/>00,000505<br/>0,2226-05<br/>00,000505<br/>0,226-05<br/>0,000505<br/>0,000505<br/>1,416-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,296-05<br/>0,000510<br/>2,000510<br/>2,000510<br/>1,000<br/>1,00050<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000<br/>1,000</td></t<>  | L2:0-46         0.000055         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           0.000050         0.000         0.000           60         2         -         300           1.000050         0.00007         0.000         0.000           1.000050         0.00007         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000           1.000050         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0.000051         0.000         0.000051         0.000           1.000050         0.000051         0  
   | Her         3.222-01         3.320         0.05556           0.022-02         1.726         0.05557           0.022-02         1.726         0.05557           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         1.726         0.05572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.0257         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02         0.02572         0.02572           0.02572  
   | 6:0H-02         6:0E-02         2:1E-0E           Big         Mo         Mo         Tene Views           Big         Tene Views         Tene Views         Tene Views           Big         Tene Views         Tene Views   | 0.055040<br>0.050025<br>0.050025<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000170<br>0.000140<br>0.000174<br>0.000174<br>0.000176<br>0.000176<br>0.000176  
   | Bit Her         Bit Her         Bit Her         Bit Her           P         50         5         5           ID         10         10         10         10           T. Mic G         6.00000         2.00000         10  | Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511  | U V<br>20<br>0093501<br>U V<br>20<br>0093501<br>U V<br>20<br>0093501<br>1,286-65<br>00,000505<br>0,2226-05<br>00,000505<br>0,226-05<br>0,000505<br>0,000505<br>1,416-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,296-05<br>0,000510<br>2,000510<br>2,000510<br>1,000<br>1,00050<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000<br>1,000  |
| Charge<br>HQ >1<br>HQ >5<br>HQ >5<br>HQ >10<br>Latitions - De C<br>Latitions - De C<br>Latitions - De C<br>De Grey - High<br>Scepage<br>De Grey - High<br>Scepage  | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90.h Possetile<br>180<br>HQ<br>90.h Possetile<br>180<br>90.h Possetile<br>180<br>90.h Possetile<br>180<br>90.h Possetile<br>180<br>90.h Possetile<br>180<br>HQ<br>90.h Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Possetile<br>180<br>HQ<br>90.h<br>Posseti   | BI         pi           6.5         -           7.125712         6.365           7.112572         6.365           7.512017         6.365           7.512017         6.365           7.512017         6.365           7.512017         6.365           1.500931         7.51201           7.512017         6.312           1.500931         7.797279           7.972729         6.312           1.505631         6.286   
   
   | TDS           BS20053687           1000           21           1010           21           1011           21           1011           21           1011 <td>397.555         11           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           9.005612         2           9.005613         1           9.005643         1           9.005643         1           9.005644         1           13.58965         2           9.005777         36           9.00563         1           9.005643         1           9.00563         9           9.00443         2           0.004432         2           0.004432         2</td> <td>Ch Mg<br/>5564 41.163<br/>7913 50.14<br/>15173 41.180<br/>1936 50.52<br/>17056 41.056</td> <td>K<br/>155 14.6-2731<br/>67 25.7278<br/>43 14.6-4005<br/>86 25.6463<br/>40 14.35740<br/>73 23.3006<br/>35 11.407</td> <td>No.         Cl.         South         South           No.         Cl.         South         South         South         South           No.         Cl.         South         South         South         South         South           No.         Cl.         South         South         South         South         South           No.         Cl.         South         South         South         South         South           21246         Stringer         Stringer         South         South</td> <td>Al 55<br/>0.14205 0.24654<br/>0.00004<br/>0.00004<br/>0.00004<br/>0.00006<br/>0.00006<br/>0.00006<br/>0.00006<br/>0.00006<br/>0.00006<br/>0.00006<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.00005<br/>0.0000</td> <td>An         B         Ba           Au         B         Ba           B         Control         Like           B         Like         Like           B</td> <td>I.2646         0.00055         0.000           B.00058         0.00         0.00           6         2        </td> <td>HE         LADE 0F         LADE 0F         LADE 0F         LADE 0F           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         <td< td=""><td>Big         Mo         Mo         TealNag           1         0         0         0         0           1         0         0         0         0         0           1         0         <td< td=""><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>PI         So         Si           PI         So         Si           PI         So         Si           PI         B         B         -           PI         So         Si         -           PI         So         Si         -           PI         B         B         -         -           PI         So         Si         -         -           So         B         So         -         -         -           So         So         So         -<!--</td--><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518
0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td></td></td<></td></td<></td> | 397.555         11           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           8.537755         1           9.005612         2           9.005613         1           9.005643         1           9.005643         1           9.005644         1           13.58965         2           9.005777         36           9.00563         1           9.005643         1           9.00563         9           9.00443         2           0.004432         2           0.004432         2  
  | Ch Mg<br>5564 41.163<br>7913 50.14<br>15173 41.180<br>1936 50.52<br>17056 41.056   
   | K<br>155 14.6-2731<br>67 25.7278<br>43 14.6-4005<br>86 25.6463<br>40 14.35740<br>73 23.3006<br>35 11.407   | No.         Cl.         South         South           No.         Cl.         South         South         South         South           No.         Cl.         South         South         South         South         South           No.         Cl.         South         South         South         South         South           No.         Cl.         South         South         South         South         South           21246         Stringer         Stringer         South  
   | Al 55<br>0.14205 0.24654<br>0.00004<br>0.00004<br>0.00004<br>0.00006<br>0.00006<br>0.00006<br>0.00006<br>0.00006<br>0.00006<br>0.00006<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.00005<br>0.0000  
  | An         B         Ba           Au         B         Ba           B         Control         Like           B         Like         Like           B   
   | I.2646         0.00055         0.000           B.00058         0.00         0.00           6         2  
  | HE         LADE 0F         LADE 0F         LADE 0F         LADE 0F           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.00000         0.00000           0         0.00000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000         0.000000           0.000000         0.000000         0.000000 <td< td=""><td>Big         Mo         Mo         TealNag           1         0         0         0         0           1         0         0         0         0         0           1         0         <td< td=""><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>PI         So         Si           PI         So         Si           PI         So         Si           PI         B         B         -           PI         So         Si         -           PI         So         Si         -           PI         B         B         -         -           PI         So         Si         -         -           So         B         So         -         -         -           So         So         So         -<!--</td--><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td></td></td<></td></td<>  | Big         Mo         Mo         TealNag           1         0         0         0         0           1         0         0         0         0         0           1         0 <td< td=""><td>0.055040<br/>0.050025<br/>0.050025<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000170<br/>0.000140<br/>0.000174<br/>0.000174<br/>0.000176<br/>0.000176<br/>0.000176</td><td>PI         So         Si           PI         So         Si           PI         So         Si           PI         B         B         -           PI         So         Si         -           PI         So      
  Si         -           PI         B         B         -         -           PI         So         Si         -         -           So         B         So         -         -         -           So         So         So         -<!--</td--><td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td></td></td<>   | 0.055040<br>0.050025<br>0.050025<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000170<br>0.000140<br>0.000174<br>0.000174<br>0.000176<br>0.000176<br>0.000176  | PI         So         Si           PI         So         Si           PI         So         Si           PI         B         B         -           PI         So         Si         -           PI         So         Si         -           PI         B         B         -         -           PI         So         Si         -         -           So         B         So         -         -         -           So         So         So         - </td <td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td> <td>U V<br/>0.001972 2.04<br/>0.002501<br/>0.002501<br/>0.000257 5.00<br/>1.232-05<br/>0.000645 0.00<br/>2.232-05<br/>0.000547 5.28<br/>1.242-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.39<br/>1.412-05<br/>0.000257 5.05<br/>0.000257 5.05<br/>0.000578 0.00<br/>0.000527 7.53<br/>1.412-05<br/>0.000578 0.00<br/>0.000518 0.232<br/>0.000518 0.0005<br/>0.000518 0.0005<br/>0.0005<br/>0.000518
0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td> | Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511  | U V<br>0.001972 2.04<br>0.002501<br>0.002501<br>0.000257 5.00<br>1.232-05<br>0.000645 0.00<br>2.232-05<br>0.000547 5.28<br>1.242-05<br>0.000257 5.39<br>1.412-05<br>0.000257 5.39<br>1.412-05<br>0.000257 5.05<br>0.000257 5.05<br>0.000578 0.00<br>0.000527 7.53<br>1.412-05<br>0.000578 0.00<br>0.000518 0.232<br>0.000518 0.0005<br>0.000518 0.0005<br>0.0005<br>0.000518 0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005   |
| Charge<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>10<br>dathers - De C<br>dathers - De C<br>dat   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90.h Pascenile<br>100<br>Accesse<br>100<br>Accesse<br>100<br>90.h Pascenile<br>100<br>90.h Pascenile<br>100.h Pasce   | P. 200418         4.230           1 189972         1           1 189972         1           45         -           7.31272         4.351           7.31272         4.351           7.31272         4.351           7.31273         4.351           7.31275         4.351           7.31275         4.361           7.31275         4.361           7.31275         4.361           7.31275         4.362           7.31275         4.362           7.31276         4.362           7.31276         4.362           7.31276         4.362           7.31276         4.362           7.31276         4.362           7.31276         4.362   
  | TDS           10         9431-22           16.3 3943 56667         1000           10         1000           11         1000           12         1000           13         1000           14         1000           14         1000           14         1000           14         1000           14         1000           14         1000           15         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000           1000         1000 <td>097.555         11           0.51775         0.51775           0.51775         0.51775           0.600         0.06424           0.6004         20.60144           10.60144         20.60144           10.60524         20.60144           10.60545         50.00642           10.60524         20.60144           0.60545         50.00642           0.60542         20.60144           0.60542         20.00442           0.00442         20.00442           0.00442         20.00442           0.00442         20.00441           0.00442         20.00441           0.00442         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.004444         20.00441           0.004444         20.00441           0.004444         20.00444           0.004444         20.004444           0.004444         20.004444           0.004444         20.004444           0.0044444         20.0044444      0</td> <td>Ca Mg<br/>25666 41.163<br/>7913 50.146<br/>1936 50.32<br/>1936 50.32<br/>17856 41.056<br/>0663 50.37</td> <td>K<br/>155 14.6-2731<br/>67 25.7278<br/>43 14.6-4005<br/>86 25.6463<br/>40 14.35740<br/>73 23.3006<br/>35 11.407</td> <td>No.4         C3         S04           No.8         C3         80.56           No.8         C3         80.45           No.8        
C3         80.45           No.8         C3         80.45           No.8         C3         80.45           No.8         C3         80.56           No.8         C3         80.57           No.8         C3         80.26           No.8         C3.25         80.75           No.8         C4.25         75.80</td> <td>Al         Sh          </td> <td>Noted         1212         2.1179           Add         1.000         1.000         1.000           Add         0.000         0.000         0.000           Add         Add         0.000         0.000           Add         0.000         0.000         0.000           Add         0.000         0.000         0.000</td> <td>IZ-64         0.0005         0.00           100000         0.00         0.00           100000         0.00         0.00           0         0.00         0.00           0         0.00         0.00           10         0.00         0.00           10         0.00         0.00           11000         0.00         0.00           12000         0.000         0.00           12000         0.000         0.00           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.00</td> <td>O         F         F         F           0         0         F         F         F           0         0         1000         0         1000           0         1000         0         0         0           0         0         1000         0         0           0         0         1000         0         0           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.00000         0.0000           0&lt;</td> <td>Solution         Construction         Construction           Big         Mo         Mo         Teal Micro           Big         Micro         Station         Teal Micro           Big         Micro         Station         Station           Big         Micro</td> <td>0.03000<br/>0.880025<br/>200<br/>0.060127<br/>0.000217<br/>0.000217<br/>0.00022<br/>0.000144<br/>0.000147<br/>0.00022<br/>0.000140<br/>0.000147<br/>0.000120<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.000140<br/>0.0000000000</td> <td>Bit AV         Status         Status         Status           PI         Su         S         S         S           PI         Su         S<td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td><td>U         V           0.993601        </td></td>  | 097.555         11           0.51775         0.51775           0.51775         0.51775           0.600         0.06424           0.6004         20.60144           10.60144         20.60144           10.60524         20.60144           10.60545         50.00642           10.60524         20.60144           0.60545         50.00642           0.60542         20.60144           0.60542         20.00442           0.00442         20.00442           0.00442         20.00442           0.00442         20.00441           0.00442         20.00441           0.00442         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.00444         20.00441           0.004444         20.00441           0.004444         20.00441           0.004444         20.00444           0.004444         20.004444           0.004444         20.004444           0.004444         20.004444           0.0044444         20.0044444      0  
   
   | Ca Mg<br>25666 41.163<br>7913 50.146<br>1936 50.32<br>1936 50.32<br>17856 41.056<br>0663 50.37  
  | K<br>155 14.6-2731<br>67 25.7278<br>43 14.6-4005<br>86 25.6463<br>40 14.35740<br>73 23.3006<br>35 11.407   | No.4         C3         S04           No.8         C3         80.56           No.8         C3         80.45           No.8         C3         80.45           No.8         C3         80.45           No.8         C3         80.45           No.8         C3         80.56           No.8         C3         80.57           No.8         C3         80.26           No.8         C3.25         80.75           No.8         C4.25         75.80   
  | Al         Sh  
   | Noted         1212         2.1179           Add         1.000         1.000         1.000           Add         0.000         0.000         0.000           Add         Add         0.000         0.000           Add         0.000         0.000         0.000           Add         0.000         0.000         0.000   
   | IZ-64         0.0005         0.00           100000         0.00         0.00           100000         0.00         0.00           0         0.00         0.00           0         0.00         0.00           10         0.00         0.00           10         0.00         0.00           11000         0.00         0.00           12000         0.000         0.00           12000         0.000         0.00           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.000         0.000           12000         0.00   | O         F         F         F           0         0         F         F         F           0         0         1000         0         1000           0         1000         0         0         0           0         0         1000         0         0           0         0         1000         0         0           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000   
     0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.0000         0.0000           0         0.0000         0.0000         0.00000         0.0000           0<  | Solution         Construction         Construction           Big         Mo         Mo         Teal Micro           Big         Micro         Station         Teal Micro           Big         Micro         Station         Station           Big         Micro   
  | 0.03000<br>0.880025<br>200<br>0.060127<br>0.000217<br>0.000217<br>0.00022<br>0.000144<br>0.000147<br>0.00022<br>0.000140<br>0.000147<br>0.000120<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.000140<br>0.0000000000  | Bit AV         Status         Status         Status           PI         Su         S         S         S           PI         Su         S <td>Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511</td> <td>U         V           0.993601        </td>   
   | Ay         5a         5         T           0.32685         9.56         9.56         9.56           0.32685         9.326         9.76         9.76           0.32680         8.77         0.441314         1.99           0.32616         1.37         0.31166         1.39           0.32617         9.326         9.77         0.391797         3.511  | U         V           0.993601   |
| Charge<br>HQ >1<br>HQ >2<br>HQ >10<br>HQ >10<br>HQ >10<br>Dr Gray - Rare<br>Line<br>Dr Gray - High<br>Srepage<br>Dr Gray - Claust<br>Charge<br>Dr Gray - Rare  | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90.h Pascarda<br>100<br>Ascenge<br>100<br>90.h Pascarda<br>100<br>90.h Pascarda<br>100.h Pascarda<br>1   | 17.794/8 4.236<br>1.189772<br>4.23<br>4.23<br>4.23<br>4.23<br>4.23<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.24<br>4.2   
   
       | TDS           9931.22         9931.22           36.281.22         9931.22           36.281.22         9931.22           9931.22         9931.22           9932.22         9932.22           9933.22         9932.22           9933.22         9932.22           9933.22         993.23           9933.22         993.23           9933.22         993.23           9933.22         993.23           9933.22         9135.73           9634.23         962.24           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.25           9142.25         914.25           9143.26         914.26           9143.26         914.26   
   | 007.555         11           0.57775         0.57775           0.57775         0.57775           0.6004         20.00164           0.006424         20.00164           10.63734         20.00164           10.635645         30.00164           10.635645         30.00164           10.630546         30.00164           0.004625         20.00462           0.005625         0.004625           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461           0.004624         20.00461     <   
   | Ca Mg<br>1964 41.16<br>2913 80.14<br>2913 80.14<br>1936 80.32<br>1936 41.05<br>0643 80.37<br>8135 30.66<br>7.909 418.9<br>13341 214.8   
  | K           155         14.6.2731           67         25.7278           43         14.6.4005           56         25.6463           140         14.35740           71         23.3016           155         11.437           42         381.58           24         157.3746  | No.         C.         Solution         Solution           No.         C.         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution   
  | Al         So           at         So           attract         So           attratract  
   | Ant         B         B           Art         B         B           B         Control         Control           B   
   | I.Ze4a         0.0025         0.00           1.0004         0.00         0.00           0.0005         0.00         0.00           0.0005         0.00         0.00           0.0005         0.00         0.00           0.0005         0.00         0.00           1.0006         0.0005         0.00           1.0006         0.0005         0.00           1.0006         0.0005         0.00           1.0006         0.0005         0.00           1.0006         0.0005         0.00           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.000           1.0006         0.0005         0.0005           1.0006         0.0005         0.0005           1.0006         0.0005         0.0005           1.0006         0.0005         0.0005  
  | A         C         F         Sector         LUE         Sector           a         A         C         F         Sector         Sector         Sector           a         A         C         F         Sector         Sector         Sector           b         A         Sector         Sector         Sector         Sector         Sector           b         A         Sector         Sector         Sector         Sector         Sector           b         C         Sector         Sector         Sector         Sector         Sector           b         Sector         Sector <td>Base         Base         Base         Base         Base           Base         B.T.         Base         Base         Base           By         Mo         Mo         Period         Period           By         Mo         Mo         Period         Period           Base         Base         Base         Period         Period           Base         Base         Period         Period         Period           Base         Base         Period         Period         Period           Base         Base</td> <td>0.010460<br/>0.010025<br/>0.00025<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00017<br/>0.00014<br/>0.00015<br/>0.00016<br/>0.00015<br/>0.00016<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.00015<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005<br/>0.0005</td> <td>Bits of the second se</td> <td>Ag         5a         5c         10           B.S.2008         5-04         5-06         5-06           B.B.2008         5-06         5-06         5-06</td> <td>U         V           30         -0.001172         2.04           0.001017         2.04         -0.001017           30         -0         -0.0027         5.98           1.2016-05         2.2126-05         -0.0027         5.98           1.2016-05         2.2126-05         -0.00267         5.98           1.2016-05         -0.00267         6.000267         -0.00267           1.2016-05         -0.00267         6.000267         -0.00267           6.000267         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267</td> | Base         Base         Base         Base         Base           Base         B.T.         Base         Base         Base           By         Mo         Mo         Period         Period           By         Mo         Mo         Period         Period           Base         Base         Base         Period         Period           Base         Base         Period         Period         Period           Base         Base         Period         Period         Period           Base         Base   
   | 0.010460<br>0.010025<br>0.00025<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00015<br>0.00016<br>0.00015<br>0.00016<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005  | Bits of the second se  | Ag         5a         5c         10           B.S.2008         5-04         5-06         5-06           B.B.2008         5-06         5-06         5-06  
   | U         V           30         -0.001172         2.04           0.001017         2.04         -0.001017           30         -0         -0.0027         5.98           1.2016-05         2.2126-05         -0.0027         5.98           1.2016-05         2.2126-05         -0.00267         5.98           1.2016-05         -0.00267         6.000267         -0.00267           1.2016-05         -0.00267         6.000267         -0.00267           6.000267         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267           1.2016-05         -0.00267         -0.00267         -0.00267   |
| Change<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>50<br>Cory - Rase<br>Line<br>Dr Grey - High<br>Dr Grey - Cleant<br>Change<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 928 Presentie<br>100<br>100<br>998 Presentie<br>100<br>998 Pres  | 2.75%18 4.23%<br>1.189772 4.23% 4.23% 4.23% 4.23% 4.23% 4.23% 4.23% 4.24%   
   | TDS           9831.22         36.347.22           36.347.23         36.347.23           36.347.23         36.347.23       
   36.347.23         36.347.23           37.347.23         36.347.23           38.347.23         36.347.23           38.347.23         36.347.23           38.347.23         36.347.23           38.347.23         36.347.23           38.347.23         36.347.23           38.347.24         37.247.24           38.347.24         34.247.247.24           38.347.24         34.247.247.24           39.347.24         34.247.247.24           39.347.24         34.247.247.24           39.347.24         34.247.247.24           39.347.24         34.247.247.24           39.347.24         34.247.247.24           39.347.247.24         34.247.247.24           39.347.247.24         34.247.247.24           39.347.247.247.247.247.247.247.247.247.247.2  
   | 397.555         11           0.527775         0.527775           0.527775         0.001524           20000         0.001524           0.001524         0.001524           22.5521         0.001542           22.5511         0.004122           22.5571         36.00141           137.5995         32.9777           36.40142         21.004412           21.5248         15           0.004122         21.5248           21.5248         15           0.004122         21.5348           20.012312         21.63154           21.5313         2.001238  
   | Ca Mg<br>1964 41.16<br>2913 80.14<br>2913 80.14<br>1936 80.32<br>1936 41.05<br>0643 80.37<br>8135 30.66<br>7.909 418.9<br>13341 214.8   
  | K           155         14.6.2731           67         25.7278           43         14.6.4005           56         25.6463           140         14.35740           71         23.3016           155         11.437           42         381.58           24         157.3746  | No.         C.         SMM         SMM           No.         C.         SMM         SMM         SMM           SMM         SMM         SMM         SMM         SMM           SMMM         SMM         SMMM   
   | Al         Bb           -   
  | Balance         12.21         2.1179           Auge         B.         B.           B.         B.         B.           B. <td>1.2.44         0.0025         0.00           1.0.244         0.00         0.00           1.0.245         0.00         0.00           0.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           <t< td=""><td>a         C         F         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           b         C         F         Apple         Apple           b         C         Apple         Apple         Apple           c         Apple         Apple         Apple         Apple           c</td><td>IB         Bits         Description           1         Max         Max         Max           1</td><td>0.010460<br/>0.010025<br/>0.00025<br/>0.00024<br/>0.00027<br/>0.00044<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000172<br/>0.000141<br/>0.000171<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172</td><td>Billet 7         Statusti         Billet 7           10         5         5           10         10         5           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         1           10         10         1           10         10         1           10     
   10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10&lt;</td><td>Ag         La         So         Te           0.3380         0.55         0.55         0.55           0.44808         2.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         1.14           0.4015         1.14         0.55         1.14</td><td>U V V<br/>0.0001072 2.04<br/>0.0000107<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.0000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.0000000<br/>0.00000000</td></t<></td> | 1.2.44         0.0025         0.00           1.0.244         0.00         0.00           1.0.245         0.00         0.00           0.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00           1.0.245         0.00         0.00 <t< td=""><td>a         C         F         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           b         C         F         Apple         Apple           b         C         Apple         Apple         Apple           c         Apple         Apple         Apple         Apple           c</td><td>IB         Bits         Description           1         Max         Max         Max           1</td><td>0.010460<br/>0.010025<br/>0.00025<br/>0.00024<br/>0.00027<br/>0.00044<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000172<br/>0.000145<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000171<br/>0.000172<br/>0.000141<br/>0.000171<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000142<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172<br/>0.000172</td><td>Billet 7         Statusti         Billet 7           10         5         5           10         10         5           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         1           10         10         1           10         10         1           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10&lt;</td><td>Ag         La         So         Te           0.3380         0.55         0.55         0.55           0.44808         2.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         1.14           0.4015         1.14         0.55         1.14</td><td>U V V<br/>0.0001072
2.04<br/>0.0000107<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.0000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000001<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.000000<br/>0.0000000<br/>0.00000000</td></t<> | a         C         F         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           b         C         F         Apple         Apple           b         C         Apple         Apple         Apple           c         Apple         Apple         Apple         Apple           c   | IB         Bits         Description           1         Max         Max         Max           1   
  | 0.010460<br>0.010025<br>0.00025<br>0.00024<br>0.00027<br>0.00044<br>0.000172<br>0.000145<br>0.000172<br>0.000145<br>0.000172<br>0.000145<br>0.000172<br>0.000145<br>0.000171<br>0.000171<br>0.000171<br>0.000171<br>0.000171<br>0.000171<br>0.000172<br>0.000141<br>0.000171<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000142<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172<br>0.000172  | Billet 7         Statusti         Billet 7           10         5         5           10         10         5           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         2           10         10         1           10         10         1           10         10         1           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10       
   10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10           10         10         10<  | Ag         La         So         Te           0.3380         0.55         0.55         0.55           0.44808         2.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         0.55           0.4104         1.55         0.55         1.14           0.4015         1.14         0.55         1.14   | U V V<br>0.0001072 2.04<br>0.0000107<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.0000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.0000000<br>0.00000000   |
| Changy<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>50<br>Ltdtbrs - De C<br>Law<br>De Gory - Ray<br>Changy<br>De Gory - High<br>Swyagy<br>De Gory - Ray<br>Changy<br>De Gory - Ray<br>Law   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 90.h Pascarda<br>100<br>Ascenge<br>100<br>90.h Pascarda<br>100<br>90.h Pascarda<br>100.h Pascarda<br>1   | H         P4           1199072         1199072           1199072         1199072           53         1199072           1199072         1199072           1199072         1199072           1199072         1199072           1199072         1199072           1199073         140042           1199074         1202101           1199075         14014           1199074         1202101           1199075         14014           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077         1402           1199077   
   
       | TDS           9931.22         9931.22           36.281.22         9931.22           36.281.22         9931.22           9931.22         9931.22           9932.22         9932.22           9933.22         9932.22           9933.22         9932.22           9933.22         993.23           9933.22         993.23           9933.22         993.23           9933.22         993.23           9933.22         9135.73           9634.23         962.24           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.23           9142.25         913.25           9142.25         914.25           9143.26         914.26           9143.26         914.26   
   | B27.555         II           0.537775         III           20000         IIII           10.00177         IIII           20000         IIIII           20000         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII   
   | Ca Mg<br>1964 41.16<br>2913 80.14<br>2913 80.14<br>1936 80.32<br>1936 41.05<br>0643 80.37<br>8135 30.66<br>7.909 418.9<br>13341 214.8   
  | K           155         14.6.2731           67         25.7278           43         14.6.4005           56         25.6463           140         14.35740           71         23.3016           155         11.437           42         381.58           24         157.3746  | No.         C.         Object         Status  
   | Al         Ba           Ba         <  
  | Ant         B         B           Art         B         B           B         Control         Control           B  
  | I.2.44         0.0025         0.00           1.0.544         0.001         0.00           0.001         0.001         0.001           <  
   | a         C         F         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           a         C         F         Apple         Apple           b         C         F         Apple         Apple           b         C         Apple         Apple         Apple           c         Apple         Apple         Apple         Apple           c   | Base         Base         Base         Parket         Parket           Base         B.T.  
      Base         Base         Base         Base           By         Mo         Mo         Parket         Parket         Base         Bas  | 0.010460<br>0.010025<br>0.00025<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00017<br>0.00014<br>0.00015<br>0.00016<br>0.00015<br>0.00016<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.00015<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005<br>0.0005  | Bits of the second se   
  | Ag         5a         5c         10           B.S.2008         5-04         5-06         5-06           B.B.2008         5-06         5-06         5-06  | U V V<br>0.0001072 2.04<br>0.0000107<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.0000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000001<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.000000<br>0.0000000<br>0.00000000   |
| Change<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>50<br>Cory - Rase<br>Line<br>Dr Grey - High<br>Dr Grey - Cleant<br>Change<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line<br>Dr Grey - Rase<br>Line   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 938 Presentie<br>100<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>939 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie   | 2.75648         4.236           1.189772         1.189772           4.1         1.189772           4.1         1.189772           5.2         2.12772           5.3         1.189872           5.3         1.189872           5.3         1.189872           5.3         1.189872           5.3         1.18984           5.2         2.11255           5.3         1.1129           7.11555         4.246           7.11554         4.220           7.11554         4.220           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20           7.11554         4.20  
   
   | TDS           0011.22         0031.22           003.0012         003.0012           00000         00000           21         00000           21         00000           21         00000           21         00000           21         00000           22         1000.00           23         000000000           24         1000.000000           25         0000000000000000           26         1000.000000000000000000000000000000000   
   | B27.555         I           B.537775         B.537775           B.537775         B.537775           B.637775         B.637775           B.637775         B.630540           D.046124         S.0.003642           D.030542         D.030542           D.845785         S.0.004642           D.84585         S.0.004623           D.805679         S.030562           D.805797         S.6.030672           D.80579         S.030562           D.80579         S.030562           D.80579         S.030562           D.80579         D.90572           D.955451         S.0           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.905797         D.905797  
   | La         Mg           25466         41.163           7913         80.148           25173         41.365           1936         80.322           1936         80.323           1936         80.324           1936         80.327           1935         418.9           05443         20.48           0543         214.82           0.3341         214.82           0.44         504.52           33691         154.64   
  | K           55         14.6.2731           67         25.7278           67         25.7278           63         14.64005           86         25.6463           10         14.55740           35         11.457           23         381.58           24         157.5746           25         510.183           124         96.92797  | No.         C.         Solution         Solution           No.         C.         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution         Solution         Solution         Solution         Solution           Solution         Solution         Solution
        Solution         Solution         Solution  | Al         Ba           Al         Sa           Sa         <   
   | Motion         Ball         Ball           A         B         Ball           B         B         Ball           B         Ball         Ball     <  
   | B.         Cd         Description         Description         Description           B.         Cd         CA         CA         CA         CA           B.         Cd         CA         CA         CA         CA         CA           B.         Cd         CA         CA         CA         CA         CA         CA           B.         C.         CA   
   |   
   | Bit Dist         Bit Dist         Dist         Dist           Bit         Bit         Bit         Bit         Bit         Bit           Bit <td< td=""><td>0.03080           0.03080           0.00080           0.00080           0.00081</td><td>Bits of the second se</td><td>At         5         0         11           a.252a         5.45         5.45         5.45           a.482a         2.52         5.352a         5.35           a.352a         5.352a         5.35         5.352a         5.35           a.815a         1.35         3.876a         3.75         3.876a         3.75           a.815a         3.63         4.06         3.75         3.356a         5.75         3.356a         5.75           a.815a         3.05         3.05         3.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.357a         5.75</td><td>U         V         N           0.00172         2.04         0.00172         2.04           0.001201         0.001201         0.001201         0.001201           0.001201         0.001201         0.001201         0.001201         0.001201           0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.000120         0.0001201         0.000120</td></td<> | 0.03080           0.03080           0.00080           0.00080           0.00081  
  | Bits of the second se  | At         5         0         11           a.252a         5.45         5.45         5.45           a.482a         2.52         5.352a         5.35           a.352a         5.352a         5.35         5.352a         5.35           a.815a         1.35         3.876a         3.75         3.876a         3.75           a.815a         3.63         4.06         3.75         3.356a         5.75         3.356a         5.75           a.815a         3.05         3.05         3.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.357a         5.75   | U         V         N           0.00172         2.04         0.00172         2.04           0.001201         0.001201         0.001201         0.001201           0.001201         0.001201         0.001201         0.001201         0.001201           0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.001201         0.000120         0.0001201         0.000120  |
| Changy<br>HQ>1<br>HQ>2<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>6<br>HQ>6<br>HQ>6<br>HQ>6<br>HQ<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Harrison<br>Hari   | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 928 Presentie<br>100<br>100<br>998 Presentie<br>100<br>998 Pres  | 1         2   
   |
TDS<br>4031422<br>4033453667<br>46000<br>111100<br>46000<br>411100<br>411100<br>411100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>411100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>41111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>4111100<br>411   
  | B27.555         I           B.537775         B.537775           B.537775         B.537775           B.637775         B.637775           B.637775         B.630540           D.046124         S.0.003642           D.030542         D.030542           D.845785         S.0.004642           D.84585         S.0.004623           D.805679         S.030562           D.805797         S.6.030672           D.80579         S.030562           D.80579         S.030562           D.80579         S.030562           D.80579         D.90572           D.955451         S.0           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.80579         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.805797         D.905797           D.905797         D.905797   
  | La         Mg           25466         41.163           7913         80.148           25173         41.365           1936         80.322           1936         80.323           1936         80.324           1936         80.327           1935         418.9           05443         20.48           0543         214.82           0.3341         214.82           0.44         504.52           33691         154.64  
   | K           55         14.6.2731           67         25.7278           67         25.7278           63         14.64005           86         25.6463           10         14.55740           35         11.457           23         381.58           24         157.5746           25         510.183           124         96.92797  | Status         Scatter         Scatter           u         u         u         u         u           u         u         u         u         u         u           u   
   | Al         Ba           Al         Sa           Sa         <  
  | Act         B         B           0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0         0.0         0.0           0.0  
  | B.         Cd         Description         Description         Description           B.         Cd         CA         CA         CA         CA           B.         Cd         CA         CA         CA         CA         CA           B.         Cd         CA         CA         CA         CA         CA         CA           B.         C.         CA  
  |  
  | Barry         Barry         Barry         Description           PL         Max         Max         Max         Max           PL         Max         Max         Max         Max         Max           PL         Max         Max         Max         Max         Max         Max           Max<  | a D3000     a D3000     b H5000     b H500     b H50  
  | Bits         Control         Control         Control           10         10         10         10         10           10         10         10         10         10         10           10   | At         5         0         11           a.252a         5.45         5.45         5.45           a.482a         2.52         5.352a         5.35           a.352a         5.352a         5.35         5.352a         5.35           a.815a         1.35         3.876a         3.75         3.876a         3.75           a.815a         3.63         4.06         3.75         3.356a         5.75         3.356a         5.75           a.815a         3.05         3.05         3.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.356a         5.75         3.357a         5.75   | U         X           0000172         2.04           0000172         2.04           0000175         2.04           0000175         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         2.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         1.04           0000017         2.04           0000017         2.04           0000017         2.04           00000177         2.04           00000177         2.04           00000177         2.04           00000177         2.04  |
| Change<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>10<br>To Gray - Rase<br>Change<br>Bu Gray - Rase<br>Change<br>Bu Gray - Rase<br>Lian<br>De Gray - Rase<br>De Gray - Rase  | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 938 Presentie<br>100<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>939 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie   | 1         2   
   
   | TDS           10041.22         06.31.42           06.31.42         06.31.42           06.31.42         06.0000           21         06.0000           21         06.0000           22         168.2           0.01.01.010         07.2           21         168.2           0.00000         0.00000           22         158.3.3           0.000000         0.000000           0.0000000         0.000000           0.0000000         0.000000           0.0000000         0.000000           0.0000000         0.000000           0.00000000         0.000000           0.00000000         0.0000000           0.000000000         0.0000000           0.000000000000000         0.00000000000000000000000000000000000   
   | 002.855         1           0.537775         0.537775           0.602775         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006124           0.006124         0.006122           0.006124         0.004122           0.15548         0.001132           0.004131         2           0.004132         13.35112           0.004143         0.004132           0.004143         0.0041432           0.004143         0.0041432           0.004143         0.0041433           0.004143         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.0041433           0.0041433         0.00  
   | La         Mg           25466         41.163           7913         80.14           25173         42.146           1956         80.32           17856         41.056           6043         80.37           7.000         418.0           5.000         418.0           63341         214.32           33401         544.53           53501         154.64           6466         352.5   
  | K           55         14.6.2731           67         25.7278           67         25.7278           63         14.64005           86         25.6463           10         14.55740           35         11.457           21         381.58           24         157.5746           25         510.183           124         96.92797  | Status         Scattering         Scattering<   
  | AI         Ba           AI         Ba           -         1  
   | Montesis         Local         Line           A         B         B           B         B   
   | B.         Cd         Core         Core           B.         Core         Core         Core         Core           B.         Core         Core         Core         Core         Core           B.         Core  
   |   
   | Image         Image         Image         Image           Image         Image         Image         Image         Image           Image         Image         Image         Image         Image         Image           Image         Image         Image         Image         Image         Image         Image           Image         Image         Image         Image         Image  | 0.03080           0.03080           0.00080           0.00080           0.00081  
  | Billion of the second  | A         50         50           4         5.2548         5.25           4         5.25         5.25           4         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           4.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           5.25         5.25         5.25           <  | U         X           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000017         2.01           0.000017         2.02           0.000017         2.02           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.0000011  |
| Change<br>HQ >1<br>HQ >1<br>HQ >5<br>HQ +5<br>HQ   | Persenter<br>Levent Clinic<br>Filling periods<br>Filling period | 938 Presentie<br>100<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>939 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie<br>100<br>938 Presentie   | 1.7.5%         4.2.06           1.809721         1.809721           1.809721         1.809721           4.5         -           7.11272         4.8315           7.81355         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.304           7.81357         4.305           7.81358         4.302           7.81458         4.302           7.81458         4.302           7.81458         4.302           7.81458         4.302           7.81458         4.302           7.81458         4.302           7.81458         4.302           7.81458   
  | TDS           0011.22         0631.22           0633.053667         0600           21         063.0613667           02         180.0627           02         180.0627           02         180.0627           03         064.0649454           02         180.36732           02         180.36732           02         180.36732           02         180.36732           02         180.36732           02         180.36732           02         180.36732           02         180.3613200           02         180.363202           03.404253202         180.363200           03.4042533200         0.3424072           03.4142022         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.5443400           04.3040722         23.54434000           04.3040722<  
   
  | 102.255         1           3.537775         3.537775           3.600         2.000           1.080.25         2.001           2.25621         2.002           2.25621         2.002           2.25621         2.002           2.25621         2.002           2.25521         2.002           2.25521         2.002           2.25777         3           0.004622         2.25731           2.25777         3           0.400452         2.25731           2.00247         2.012735           2.012753         2.012735           2.0127353         2.012735           2.0127353         2.012735           2.0127354         3.012735           2.0127357         2.012735           2.0127357         2.012735           2.0127359         2.012735           2.0127359         2.0127359           2.0127359         2.0127359  
  | La         Mg           25466         41.163           7913         80.148           25173         41.365           1936         80.322           1936         80.323           1936         80.324           1936         80.327           1935         418.9           05443         20.48           0543         214.82           0.3341         214.82           0.44         504.52           33691         154.64  
   | K           55         14.6.2731           67         25.7278           67         25.7278           63         14.64005           86         25.6463           10         14.55740           35         11.457           21         381.58           24         157.5746           25         510.183           124         96.92797  | Status         Scatter         Scatter           No         C         No         No           No         C         Scatter         No           No         Scatter         No         No   
  | Al         Ba           -         1  
   | Anote         B         B           A         B <td>I. 2004         0.0007         0.000         0.000           B.         Cd         Cd</td> <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>a 0.0000     a 0.0000     b 0.000     b 0.0000     b</td> <td>Ballet         Statustic         Statustic         Statustic           Vietno         Statustic</td> <td>At         5         0         11           a.252a         5.45         5.45         5.45           a.482a         2.52         5.352a         5.35           a.352a         5.352a         5.35         5.352a         5.35           a.812a         1.35         3.876a         3.75         3.876a         3.75           a.812a         1.35         3.876a         3.75         3.876a         3.75           a.812a         3.87         3.876a         3.75         3.876a         3.75           a.812a         3.87         3.876a         3.876a         3.77         3.876a         3.76           a.812b         3.87         3.876a         3.876a         3.76         3.876a         3.876a           a.812b         3.876a         3.876a</td> <td>U         X           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000017         2.01           0.000017         2.02           0.000017         2.02           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.0000011</td>  | I. 2004         0.0007         0.000         0.000           B.         Cd   
   |   
   | Image         Image         Image         Image           Image         Im   | a 0.0000     a 0.0000     b 0.000     b 0.0000     b   
   | Ballet         Statustic         Statustic         Statustic           Vietno         Statustic   | At         5         0         11           a.252a         5.45         5.45         5.45           a.482a         2.52         5.352a         5.35           a.352a         5.352a         5.35         5.352a         5.35           a.812a         1.35         3.876a         3.75         3.876a         3.75           a.812a         1.35         3.876a         3.75         3.876a         3.75           a.812a         3.87         3.876a         3.75         3.876a         3.75           a.812a         3.87         3.876a         3.876a         3.77         3.876a         3.76           a.812b         3.87         3.876a         3.876a         3.76         3.876a         3.876a           a.812b         3.876a  | U         X           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000172         2.04           0.000017         2.01           0.000017         2.02           0.000017         2.02           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000017         0.00           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         2.02           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.000011         0.00           0.0000011  |
| Change<br>HQ>1<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>5<br>HQ>10<br>To Gray - Rase<br>Change<br>Bu Gray - Rase<br>Change<br>Bu Gray - Rase<br>Lian<br>De Gray - Rase<br>De Gray - Rase  | Patameter<br>Lowest Cithel<br>Filling periods<br>Filling periods   | 993 Presentia<br>BQ<br>BQ<br>Annuge<br>HQ<br>993 Provertia<br>BQ<br>993 Provertia<br>BQ<br>Mang<br>HQ<br>993 Provertia<br>BQ<br>Mang<br>HQ<br>993 Provertia<br>BQ<br>Mang<br>HQ<br>993 Provertia<br>BQ<br>Mang<br>HQ<br>993 Provertia<br>BQ<br>Mang<br>HQ<br>993 Provertia<br>BQ<br>Annug<br>HQ<br>993 Provertia<br>BQ<br>Annug<br>HQ<br>BQ<br>BQ<br>Annug<br>HQ<br>BQ<br>BQ<br>Annug<br>HQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ  | 1.7.99641         6.230           1.100772         1.000772           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100772         1.00172           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100771         4.200           1.100777         4.200           1.100777         4.200           1.100777         4.200           1.100777         4.200           1.100777         4.200           1.1007777 <t< td=""><td>TDS         State           102         90.1.22         90.1.22           105.308556637         90.000         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           22         100.0007         90.000           23         100.0007         90.000           24         100.0007         90.000           25         140.00772         199.000           21         199.000         90.00072           22         199.00072         199.00072           20         140.00772         90.00072           21         199.00072         90.00072           20         199.00072         199.00072           21         199.00072         199.00072           21         199.00072         199.00072           21         199.00072         199.00072           21         200.00072         199.00072           21         200.00072         199.00072           21         200.00072         &lt;</td><td>302.555         1           a.5.37775         3.537775           a.5.37775         3.537775           a.5.37775         0.00124           b.6.37775         0.00124           b.7.25621         3.001241           b.6.37775         0.001241           b.6.3787         3.001241           b.6.3787         113.5888         32.001241           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001277           b.6.00412         2.001241         15.001277           b.6.00412         2.001412         15.001274           c.0.004122         2.15.341         2.001423           b.0.01423         15.001274         12.001412           c.0.01412         2.001412         15.001274           c.0.01412         2.001412         10.011274           c.0.01412         2.001412         10.011274           c.0.014103         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274444         10.011274</td><td>Ch         Mg           25464         41.165           25177         41.186           1936         80.322           17856         41.056           0643         80.377           8135         20.662           7.009         418.09           81341         214.82           8144         564.52           31429         31.633</td><td>K           55         14.6.2731           67         25.7278           67         25.7278           68         25.6463           69         14.55740           60         14.55740           63         11.407           42         381.58           24         157.5746           25         510.183           124         08.9737           19         322.02           174         18.95317</td><td>Status         Scattering         Cattering         <thc< td=""><td>Al         Ba           Al         Ba          </td><td>Baseline         Lange         Lange         Lange           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B</td><td>1.2646         0.0000         0.000           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000    
    0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000</td><td></td><td>IDE         IDE         IDE         IDE           IDE         IDE         IDE         IDE         IDE         IDE           IDE         <t< td=""><td></td><td>Based         Based         Based         Based           100000         100000         100000         100000           100000         100000         100000         100000           100000         1000000         100000         100000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000         10000000         1000000           1000000         10000000         10000000         10000000         1000000         1000000         10000000         10000000         10000000         1000000000000         10000000000000000         1000000000000000000000000000000000000</td><td>At         Ba         B         D           I</td><td>D         A           0         0.00172         2.04           0.00172         2.04         0.00172           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         0.00172           0         0.00171         2.04           0         0.00171         2.04           0         0.00171         2.04           0.00171         2.04         0.00171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.01         0.000171           0.000171         0.000171         0.000171           0</td></t<></td></thc<></td></t<>   | TDS         State           102         90.1.22         90.1.22           105.308556637         90.000         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           21         100.0007         90.000           22         100.0007         90.000           23         100.0007         90.000           24         100.0007         90.000           25         140.00772         199.000           21         199.000         90.00072           22         199.00072         199.00072           20         140.00772         90.00072           21         199.00072         90.00072           20         199.00072         199.00072           21         199.00072         199.00072           21         199.00072         199.00072           21         199.00072         199.00072           21         200.00072         199.00072           21         200.00072         199.00072           21         200.00072         <  
   
   | 302.555         1           a.5.37775         3.537775           a.5.37775         3.537775           a.5.37775         0.00124           b.6.37775         0.00124           b.7.25621         3.001241           b.6.37775         0.001241           b.6.3787         3.001241           b.6.3787         113.5888         32.001241           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001277           b.6.00412         2.001241         15.001277           b.6.00412         2.001412         15.001274           c.0.004122         2.15.341         2.001423           b.0.01423         15.001274         12.001412           c.0.01412         2.001412         15.001274           c.0.01412         2.001412         10.011274           c.0.01412         2.001412         10.011274           c.0.014103         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274444         10.011274   
   | Ch         Mg           25464         41.165           25177         41.186           1936         80.322           17856         41.056           0643         80.377           8135         20.662           7.009         418.09           81341         214.82           8144         564.52           31429         31.633   
  | K           55         14.6.2731           67         25.7278           67         25.7278           68         25.6463           69         14.55740           60         14.55740           63         11.407           42         381.58           24         157.5746           25         510.183           124         08.9737           19         322.02           174         18.95317  | Status         Scattering         Cattering         Cattering <thc< td=""><td>Al         Ba           Al         Ba          </td><td>Baseline         Lange         Lange         Lange           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B</td><td>1.2646         0.0000         0.000           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000</td><td></td><td>IDE         IDE         IDE         IDE           IDE         IDE         IDE         IDE         IDE         IDE           IDE         <t< td=""><td></td><td>Based         Based         Based         Based           100000         100000         100000         100000           100000         100000         100000         100000           100000         1000000         100000         100000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000         10000000         1000000           1000000         10000000         10000000         10000000         1000000         1000000         10000000         10000000         10000000         1000000000000         10000000000000000         1000000000000000000000000000000000000</td><td>At         Ba         B         D           I</td><td>D         A           0         0.00172         2.04           0.00172         2.04         0.00172           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         0.00172           0         0.00171         2.04           0         0.00171         2.04           0         0.00171         2.04           0.00171         2.04         0.00171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.000171         2.04         0.000171           0.000171    
    2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.01         0.000171           0.000171         0.000171         0.000171           0</td></t<></td></thc<>   | Al         Ba           Al         Ba  
   | Baseline         Lange         Lange         Lange           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           A         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B         B         B         B           B  
   | 1.2646         0.0000         0.000           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000  
  |   | IDE         IDE         IDE         IDE           IDE         IDE         IDE         IDE         IDE         IDE           IDE        
IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE <t< td=""><td></td><td>Based         Based         Based         Based           100000         100000         100000         100000           100000         100000         100000         100000           100000         1000000         100000         100000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000         10000000         1000000           1000000         10000000         10000000         10000000         1000000         1000000         10000000         10000000         10000000         1000000000000         10000000000000000         1000000000000000000000000000000000000</td><td>At         Ba         B         D           I</td><td>D         A           0         0.00172         2.04           0.00172         2.04         0.00172           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         0.00172           0         0.00171         2.04           0         0.00171         2.04           0         0.00171         2.04           0.00171         2.04         0.00171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.01         0.000171           0.000171         0.000171         0.000171           0</td></t<>  |   | Based         Based         Based         Based           100000         100000         100000         100000           100000         100000         100000         100000           100000         1000000         100000         100000           100000         1000000         1000000         1000000           100000         1000000        
1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000           100000         1000000         1000000         1000000         1000000         1000000         10000000         1000000           1000000         10000000         10000000         10000000         1000000         1000000         10000000         10000000         10000000         1000000000000         10000000000000000         1000000000000000000000000000000000000  | At         Ba         B         D           I  | D         A           0         0.00172         2.04           0.00172         2.04         0.00172           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         2.04           0         0.00172         0.00172           0         0.00171         2.04           0         0.00171         2.04           0         0.00171         2.04           0.00171         2.04         0.00171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.00171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.04         0.000171           0.000171         2.01         0.000171           0.000171         0.000171         0.000171           0   |
| Change<br>HQ >1<br>HQ >1<br>HQ >5<br>HQ +5<br>HQ   | Persenter<br>Levest Clinic<br>Filling periods<br>Filling period | 993 Presentia<br>BQ<br>BQ<br>HQ<br>HQ<br>993 Presentia<br>BQ<br>Accessor<br>HQ<br>993 Presentia<br>BQ<br>Accessor<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>HQ<br>993 Presentia<br>BQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ<br>HQ  | 1.7.5%         4.536           1.89972         1.89972           1.89972         1.89972           4.5         -           4.5         -           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5017         6.396           5.5016         1.89987   
  | TD6           001.122         6031.22           6031.22         6031.22           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000           00000         00000  
   
  | 302.555         1           a.5.37775         3.537775           a.5.37775         3.537775           a.5.37775         0.00124           b.6.37775         0.00124           b.7.25621         3.001241           b.6.37775         0.001241           b.6.3787         3.001241           b.6.3787         113.5888         32.001241           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001242           b.6.00412         2.001241         15.001277           b.6.00412         2.001241         15.001277           b.6.00412         2.001412         15.001274           c.0.004122         2.15.341         2.001423           b.0.01423         15.001274         12.001412           c.0.01412         2.001412         15.001274           c.0.01412         2.001412         10.011274           c.0.01412         2.001412         10.011274           c.0.014103         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274         10.011274           c.0.014104         10.011274444         10.011274  
  | Ch         Mg           25464         41.165           25177         41.186           1936         80.322           17856         41.056           0643         80.377           8135         20.662           7.009         418.09           81341         214.82           8144         564.52           31429         31.633  
   | K           55         14.6.2731           67         25.7278           67         25.7278           68         25.6463           69         14.55740           60         14.55740           63         11.407           42         381.58           24         157.5746           25         510.183           124         08.9737           19         322.02           174         18.95317  | Status         Assession         Assession           Base         Cl         Status         Assession           Base         Status         Status         Assession           Base         Status         Status         Status           Base         Status         Status         Status           Base         Status         Status         Status         Status           Base         Status         Status <t< td=""><td>Al         Ba           Al         Ba          </td><td>Abseller<br/>Barbon         Local<br/>Barbon         Barbon           Abs         B         B           B</td><td>1.2646         0.0000         0.000           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>0.03088         P           0.03088         0.0017           0.00017         0.00017           0.00018         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00016         0.00017           0.00017         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00</td><td>Billio V         Base 2000         <th< td=""><td>At         Ba         B         D           I</td><td>U         V         N           0000172         2.04         0.000172         2.04           00001001         3.00017         2.01         0.000172         0.01           2.00         0.00017         2.01         0.00017         <td<
td=""></td<></td></th<></td></t<>   | Al         Ba           Al         Ba  
   | Abseller<br>Barbon         Local<br>Barbon         Barbon           Abs         B         B           B   
   | 1.2646         0.0000         0.000           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.00           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000           1.2646         0.000         0.000   |  
  | Image         Image         Image         Image           Image         Im   
   | 0.03088         P           0.03088         0.0017           0.00017         0.00017           0.00018         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00017         0.00017           0.00016         0.00017           0.00017         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00017           0.00016         0.00   | Billio V         Base 2000         Base 2000 <th< td=""><td>At         Ba         B         D           I</td><td>U         V         N           0000172         2.04         0.000172         2.04           00001001         3.00017         2.01         0.000172         0.01           2.00         0.00017         2.01         0.00017         <td< td=""></td<></td></th<>   
            | At         Ba         B         D           I  | U         V         N           0000172         2.04         0.000172         2.04           00001001         3.00017         2.01         0.000172         0.01           2.00         0.00017         2.01         0.00017 <td< td=""></td<>   |
| Chap<br>HQ >1<br>HQ >1<br>HQ >5<br>HQ >5<br>HQ >5<br>HQ >5<br>HQ >5<br>HQ >1<br>HQ +1<br>HQ   | Persenter<br>Levest Clinic<br>Filling periods<br>Filling period | 993 Presentia<br>BQ<br>Annapy<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ<br>BQ  | 1.7.5%         4.536           1.89972         1.89972           1.89972         1.89972           4.5         -           4.5         -           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5016         1.89972           5.5017         6.396           5.5016         1.89987  
   | 729         9931.22           10000         10000           10000         10000           20000         10000           21         100000           22         100000           23         100000           24         100000           25         1000000           20         1000000           20         1000000           20         1000000           20         10000000           20         10000000           20         10000000           20         200000000           20         200000000           20         20000000000           20         2000000000000000000000000000000000000   
   
   | 307.555         1           3.5.3775         3.5.3775           3.5.3775         3.5.3775           3.600         1.5.3775           3.600         1.5.4734           3.600         1.5.4734           3.6.3747         3.6.314           1.0.4574         3.0.31441           1.0.4574         3.0.31441           1.0.4614         3.0.31441           1.0.34642         2.3.314           0.0.34422         2.3.5341           0.0.34429         3.0.31429           0.0.34439         5.0.31417           3.0.34439         3.0.34393           2.0.34439         3.0.34393           3.0.34439         3.0.34393           3.0.34439         3.0.34393           3.0.34439         3.0.34393           3.0.34439         3.0.34393           3.0.34393         3.0.34393           3.0.34393         3.0.34393           3.0.34393         3.0.34393           3.0.34393         3.0.34393           3.0.34393         3.0.34393           3.0.34394         3.0.34393           3.0.34395         3.0.34393           3.0.34395         3.0.34393           3.0.34395   
   | La         Mg           5546         41.161           5547         41.861           5117         41.861           5117         41.861           5117         41.864           5117         41.864           5117         51.66           5117         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.64           5111         51.64           5111         51.64  
  | K           355         14.07311           437         2.3228           431         14.6800           442         14.5524           443         14.5524           443         14.5524           443         14.5524           443         341.54           444         341.54           444         341.54           444         341.54           444         341.54           444         341.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         342.54           444         343.54           444         344.54           444.54         344.54           444.54         344.54           444.54         344.54           444.54         344.54                    |   
  | Al         Ba           Al         Ba           All         Ba           Ba  
   | Banden ()         Display         Display         Display           A         A         A         A         A           A<  
   | 1         0   
  |  
  | Image         Image         Image         Image           Image         Im   | e 0.0000  | Bit of the second sec  | No.         So.         So.           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -      
  -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -  | U         Y           33   |
| Chaig<br>IIQ >1<br>IIQ >5<br>IIQ >5  | Persenter<br>Levest Clinic<br>Filling periods<br>Filling period | Assage<br>Hig<br>99. Presentie<br>Hig<br>99. Presentie   | 41         pr           1.759641         6.206           1.809771         6.20           6.5         -           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.1227         6.201           7.20128         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201           7.20129         6.201  
  | TDS           1         1631.22           1         165.003           2         165.003           2         165.003           2         165.003           2         165.003           2         165.003           2         165.003           2         165.003           2         165.003           2         175.003           2         175.003           2         175.003           2         175.003           3         1805.904           3         1805.904           3         1805.904           4         159.005           2         154.53           2         154.53           2         154.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53           2         164.53   
   
  | 302.555         1           3.532775         3.532775           3.632775         3.632775           3.600         1.64734           1.64734         3.6           2.8004         1.64734           2.2.811         3.6           2.2.812         3.6           2.2.812         3.6           2.3.814         3.6           2.3.815         3.6           3.630547         3.6           2.9.01462         2.3           2.9.04463         3.6           3.6.3453         5.6           3.65.453         5.6           3.24.3417         15           3.24.3417         3.6           3.24.3418         3.6           3.24.3418         3.6           3.25.342         3.6           3.25.343         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417         3.6           3.24.3417 <td< td=""><td>La         Mg           5546         41.161           5547         41.861           5117         41.861           5117         41.861           5117         41.864           5117         41.864           5117         51.66           5117         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.64           5111         51.64           5111         51.64</td><td>K           55         14.6.2731           67         25.7278           67         25.7278           68         25.6463           69         14.55740           60         14.55740           63         11.407           42         381.58           24         157.5746           25         510.183           124         08.9737           19         322.02           174         18.95317</td><td></td><td>Al         B           Al         B           B</td><td>Control         Control         <t< td=""><td>1.2000         0.0000         0.0000         0.0000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         &lt;</td><td></td><td>Bit         Bit         Bit         Bit         Bit           Bit</td><td>B 10000     B 100000     B 1000</td><td>Ballet         Ballet         Ballet         Ballet           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111         111           111         111         111         111         111         111         111           111         111         111         111         111         111         111         111           111         111         1111         111         111         111<!--</td--><td>No.         So.         So.           -         -         -</td><td>U         V         V           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.04         0.000172         0.04           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           00000172</td></td></t<></td></td<>   | La         Mg           5546         41.161           5547         41.861           5117         41.861           5117         41.861           5117         41.864           5117         41.864           5117         51.66           5117         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.66           5111         51.64           5111         51.64           5111         51.64   
   | K           55         14.6.2731           67         25.7278           67         25.7278           68         25.6463           69         14.55740           60         14.55740           63         11.407           42         381.58           24         157.5746           25         510.183           124         08.9737           19         322.02           174         18.95317   
  |  
   | Al         B           B  | Control         Control <t< td=""><td>1.2000         0.0000         0.0000         0.0000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000
        0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         &lt;</td><td></td><td>Bit         Bit         Bit         Bit         Bit           Bit</td><td>B 10000     B 100000     B 1000</td><td>Ballet         Ballet         Ballet         Ballet           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111         111           111         111         111         111         111         111         111           111         111         111         111         111         111         111         111           111         111         1111         111         111         111<!--</td--><td>No.         So.         So.           -         -         -</td><td>U         V         V           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.04         0.000172         0.04           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           00000172</td></td></t<>  | 1.2000         0.0000         0.0000         0.0000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         0.000           1.2000         0.000         0.000         0.000         <   
  |  
  | Bit         Bit         Bit         Bit         Bit           Bit  | B 10000     B 100000     B 1000   
   | Ballet         Ballet         Ballet         Ballet           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111           111         111         111         111         111         111           111         111         111         111         111         111         111           111         111         111         111         111         111         111         111           111         111         1111         111         111         111 </td <td>No.         So.         So.           -         -         -</td> <td>U         V         V           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.04         0.000172         0.04           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           00000172</td>   | No.         So.         So.           -         -         -  | U         V         V           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.04         0.000172         0.04           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           0000172         0.000172         0.000172         0.000172           00000172  
  |
| Chap<br>HQ >1<br>HQ >2<br>HQ >2<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >4<br>HQ +4<br>HQ +4   | Persenter<br>Levest Clinic<br>Filling periods<br>Filling period | 993 Presentia<br>BO<br>Accessor<br>HQ<br>993 Presentia<br>HQ<br>993 Presentia<br>HQ<br>994 Presentia<br>HQ<br>994 Presentia<br>HQ<br>994 Present   | H         Pr           1.759641         6.259           1.809721         1.809721           1.809721         8.351           1.809721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.312  
   | TOS           6011.22         60101.22           60001.22         60001           20001.22         60001           21         6100.025           22         6100.025           23         6100.025           24         6100.025           25         6100.025           26         6100.025           27         1910.02           28         6100.025           29         1914.02           200.020         1910.02           21         1910.02           21         1910.02           21         1910.02           21         1910.02           21         1910.02           22         1910.02           23         1910.02           24         1910.02           25         1910.02           26         1910.02           21         2000.02           22         1910.02           23         1910.02           24         1910.02           25         1910.02           26         1910.02           27         1910.02           28         1910.02  
   | 201253         1           3137721         3           4137721         3           2000         3           2001         3           2002         3           2002         3           2003         3           2004         3 </td <td>La         Mg           5546         41.161           5547         41.861           5117         41.861           5117         41.861           5117         41.864           5117         41.864           5117         41.864           5117         51.66           5111         51.66           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64</td> <td>K           355         14.07311           401         14.64007           402         14.64007           401         14.55249           402         14.55249           403         14.55249           404         14.55249           405         14.6525           404         14.55249           405         14.6525           404         14.55249           404         15.5545           404         15.5545           404         15.5545           404         15.5545           404         15.2545           404         15.2544           404         15.2544           404         14.5547         
 404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.54</td> <td></td> <td>Al         Ba           Al         Ba           All         Ba           Ba         I           Ba         I</td> <td>Boom         1         <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<></td> <td>1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000      &lt;</td> <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>0.000000         P           0.000000         0.000000           0.000000         0.000000           0.0000000         0.000000           0.0000000         0.000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.00000000           0.00000000000000000000000000000000000</td> <td>Ballet of the second second</td> <td>Ag         50         50         50           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I<td>U         Y        </td></td>   | La         Mg           5546         41.161           5547         41.861           5117         41.861           5117         41.861           5117         41.864           5117         41.864           5117         41.864           5117         51.66           5111         51.66           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64           5111         51.64   
   | K           355         14.07311           401         14.64007           402         14.64007           401         14.55249           402         14.55249           403         14.55249           404         14.55249           405         14.6525           404         14.55249           405         14.6525           404         14.55249           404         15.5545           404         15.5545           404         15.5545           404         15.5545           404         15.2545           404         15.2544           404         15.2544           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.5547           404         14.54 |  
   | Al         Ba           Al         Ba           All         Ba           Ba         I   
   | Boom         1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>  
   | 1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000      <   
  |  
  | Image         Image         Image         Image           Image         Im   | 0.000000         P           0.000000         0.000000           0.000000         0.000000           0.0000000         0.000000           0.0000000         0.000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000        
0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000         0.00000000           0.00000000000000000000000000000000000  | Ballet of the second   | Ag         50         50         50           I         I         I         I         I           I         I         I         I         I           I         I         I         I         I         I           I <td>U         Y        </td>   | U         Y   
  |
| Chaig<br>IIQ >1<br>IIQ >1<br>IIQ >5<br>IIQ >5  | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | Annup<br>By Theorem (1)<br>By<br>Hole (  | 1         2.5964         4.236           1         1.0027         1.0027           1         1.0027         1.0   
   | TOPS           1001.22           1000.201.201.22           1000.201.201.201.201.201.201.201.201.201   
   | 201503         1           3137773         1      
    313777         2           Abduby         2000           2000         2000           2000         2000           2001         2000           2002         2000           2003         2000           2004         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200521         2000           200522         2000           200523         2000           200524         2000           200525         2000           200526         2000           200526         2000           200526         2000           200527         2000           200528         2000   
   | D.         Mg           2560         41.65.9           25717         41.66           25177         41.66           25178         41.66           25179         41.66           25179         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           25131         31.61           31.01         54.4           31.01         54.4           31.01         54.4           31.01         54.4           31.01         54.4   
  | K           551         MAZ7217           527         25.7278           41         44.64605           64         25.6443           94         MAZ602           95         11.667           95         91.647           94         91.558           95         91.647           94         91.559           95         91.647           96         91.559           97         10.6017           98         25.916,43           99         10.80217           91         10.80217           92         21.1326           93         10.80217           94         10.80217           95         91.1879           96         91.13996   |   
  | Al         Ba           A         Ba           A         Ba           A         Ta   
  |  
  | 1         0.0000         0.0000         0.0000         0.000           1         0.000 <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>0.00000         P         P           0.00001         -         -</td> <td>B         C</td> <td>№         №</td> <td>U         V         V           0000172         2.04         0.000172         2.04           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174</td>   
   |   | Image         Image         Image         Image           Image         Im  
  | 0.00000         P         P           0.00001         -         -   | B         C  
   | №          | U         V         V           0000172         2.04         0.000172         2.04           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000172         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174         0.000174         0.000174         0.000174           0000174  |
| Chap<br>HQ >1<br>HQ >2<br>HQ >2<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >3<br>HQ >4<br>HQ +4<br>HQ +4   | Persenter<br>Levest Clinic<br>Filling periods<br>Filling period | 903 Presente<br>BQ<br>404<br>100<br>903 Presente<br>100<br>903 Presente<br>100<br>904 Presente<br>100<br>904 Presente<br>100<br>904 Presente<br>100<br>904 Presente<br>100<br>905 Presente<br>1005 Presente<br>100   | H         Pr           1.759641         6.259           1.809721         1.809721           1.809721         8.351           1.809721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.351           1.919721         8.312  
   | TOPS           1001.22           1000.201.201.22           1000.201.201.201.201.201.201.201.201.201   
   | 2012:03         1           23000         1           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2500         2   
   | La         Mg           9546         41.161           9514         41.161           9119         81.12           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22    
      9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         81.22           9119         91.22           9119         91.22           9119         91.22           9119         91.22           9119         91.22           9119         91.22           9119         91.22  
  | K           551         MAZ7217           527         25.7278           41         44.64605           64         25.6443           94         MAZ602           95         11.667           95         91.647           94         91.558           95         91.647           94         91.559           95         91.647           96         91.559           97         10.6017           98         25.916,43           99         10.80217           91         10.80217           92         21.1326           93         10.80217           94         10.80217           95         91.1879           96         91.13996   |   
  | Al         B           A1         B           A2         C           A2         C           A2         C           A2         C           A2         C           A3         C           A2         C           A3         C           A4         C           A3         C           A4         C      A4 <td></td> <td>1         0.0000         0.0000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000</td> <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>0.00000         P         P           0.00001         -         -</td> <td>Ballet of the second second</td> <td>№         №</td> <td>U         L         L           0000172         2.04         0.000172         2.04           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.00017         0.00017         0.00017           0000017         0.000017         0.00017         0.00017         0.00017           0000017         0.0000017         0.0000017         0.000017</td>  |  
  | 1         0.0000         0.0000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000           1.00000         0.000         0.000         0.000  
   |   
   | Image         Image         Image         Image           Image         Im  
  | 0.00000         P         P           0.00001         -         -   | Ballet of the second   | №          | U         L         L           0000172         2.04         0.000172         2.04           0000172         2.04         0.000172         0.04           0000172         2.04         0.000172         0.04           0000172         0.00017         0.00017         0.00017           0000017         0.000017         0.00017         0.00017         0.00017           0000017         0.0000017         0.0000017         0.000017   
   |
| Chaig<br>IIQ >1<br>IIQ >1<br>IIQ >5<br>IIQ >5  | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Provention<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10  | 1         2.5964         4.236           1         1.00077         1.00077           1<   
   
                             | 100         101.2           REFERENCE         REFERENCE   
   | 2012:03         1           2020:01         1           2020:01         2           2020:01   
   | D.         Mg           2560         41.65.9           25717         41.66           25177         41.66           25178         41.66           25179         41.66           25179         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           2517         41.66           25131         31.61           31.01         54.4           31.01         54.4           31.01         54.4           31.01         54.4           31.01         54.4   
  | K           551         MAZ7217           527         25.7278           41         44.64605           64         25.6443           94         MAZ602           95         11.667           95         91.647           94         91.558           95         91.647           94         91.559           95         91.647           96         91.559           97         10.6017           98         25.916,43           99         10.80217           91         10.80217           92         21.1326           93         10.80217           94         10.80217           95         91.1879           96         91.13996   |   
  | Al         Ba           A         Ba           A         Ba           A         Sa           A         Sa      A <td>Borney         Control         <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>1         0.0000         0.0000         0.000           1         0.000         0.00         0.00           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>0.000000         P           0.000000         0.000000           0.000000         0.000000           0.000000         0.000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000000000000000000000000000000</td><td>Bit of the second sec</td><td>№         №</td><td>ID         ID         ID           0000172         2.04         0000172         2.04           0000172         2.04         0000172         0.04           0000172         2.04         0000172         0.04           0000172         2.02         0         0.000017         0.04           0000172         2.02         0         0.00017         0.04         0.04           0000172         0.02         0.00017         0.00        
0.00017         0.00         0.00017         0.00         0.00017         0.00         0.00017         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00</td></thco<></thcontrol<></thcontrol<></td> | Borney         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>1         0.0000         0.0000         0.000           1         0.000         0.00         0.00           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>0.000000         P           0.000000         0.000000           0.000000         0.000000           0.000000         0.000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000000000000000000000000000000</td><td>Bit of the second sec</td><td>№         №</td><td>ID         ID         ID           0000172         2.04         0000172         2.04           0000172         2.04         0000172         0.04           0000172         2.04         0000172         0.04           0000172         2.02         0         0.000017         0.04           0000172         2.02         0         0.00017         0.04         0.04           0000172         0.02         0.00017         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00</td></thco<></thcontrol<></thcontrol<>  | 1         0.0000         0.0000         0.000           1         0.000         0.00         0.00           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000           1         0.000         0.000         0.000   
  |  
  | Image         Image         Image         Image           Image         Im   | 0.000000         P           0.000000         0.000000           0.000000         0.000000           0.000000         0.000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.0000000         0.0000000           0.00000000         0.0000000           0.00000000         0.0000000           0.00000000000000000000000000000000000  
   | Bit of the second sec  | №          | ID         ID         ID           0000172         2.04         0000172         2.04           0000172         2.04         0000172         0.04           0000172         2.04         0000172         0.04           0000172         2.02         0         0.000017         0.04           0000172         2.02         0         0.00017         0.04         0.04           0000172         0.02         0.00017         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00   |
| Chaig<br>IIQ >1<br>IIQ >1<br>IIQ >5<br>IIQ >5  | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Towards<br>BI<br>BI<br>Anange<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI<br>BI  | 2           
   
                             | TDD           URL         URL   
   | 201.50         1           201.01/20         1           201.01/20         2           201.01/20 </td <td>En         Mg           5568         41.161           5568         41.161           51717         81.116           51717         81.116           51717         81.116           51718         41.106           51719         81.116           51719         81.116           51719         81.116           51710         81.116           51710         81.116           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416      <tr< td=""><td>K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110</td><td></td><td>Al         B           A1         B           A1         C           A1         C      A1<td>Control         Control         Control           A         A         A           A         A</td><td>Lates         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.000</td><td></td><td>B         B</td><td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td><td>Baller of Holders         Baller of Holders         Baller of Holders         Baller of Holders           1       
 1         1&lt;</td><td>A)         B)         S)         U           -</td><td>U         X         A           00000000         0000000         00000000</td></td></tr<></td>  | En         Mg           5568         41.161           5568         41.161           51717         81.116           51717         81.116           51717         81.116           51718         41.106           51719         81.116           51719         81.116           51719         81.116           51710         81.116           51710         81.116           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416 <tr< td=""><td>K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110</td><td></td><td>Al         B           A1         B           A1         C           A1         C      A1<td>Control         Control         Control           A         A         A           A         A</td><td>Lates         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.000</td><td></td><td>B         B</td><td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td><td>Baller of Holders         Baller of Holders         Baller of Holders         Baller of Holders           1       
 1         1&lt;</td><td>A)         B)         S)         U           -</td><td>U         X         A           00000000         0000000         00000000</td></td></tr<>   | K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110   |   
  | Al         B           A1         B           A1         C           A1         C      A1 <td>Control         Control         Control           A         A         A           A         A</td> <td>Lates         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.000</td> <td></td> <td>B         B</td> <td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td> <td>Baller of Holders         Baller of Holders         Baller of Holders         Baller of Holders           1        
1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1&lt;</td> <td>A)         B)         S)         U           -</td> <td>U         X         A           00000000         0000000         00000000</td>   | Control         Control         Control           A         A         A           A         A  
  | Lates         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.000  
   |   
   | B          | 8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2  
  | Baller of Holders         Baller of Holders         Baller of Holders         Baller of Holders           1<   | A)         B)         S)         U           -   | U         X         A           00000000         0000000         00000000  |
| Chegr<br>IQ-1<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2<br>IQ-2  | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Provention<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10  | 1.2.5%1         4.2.5%           1.8.972         1.8.972           1.8.972         1.8.972           1.8.972         1.8.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972 <t< td=""><td>2         01111           Reserved         Reserved           Reserved         Reserved     &lt;</td><td>2012:03         1           2012:77:0         1           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0         2           2012:77:0     
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 B         B           B         B           B         B           B         B           B         B           B         B           B&lt;</td><td>Boom         Display         Display         Display           Image         Image         Image         Image           Image         &lt;</td><td>1         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.000         0.000           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         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   | En         Mg           5568         41.161           5568         41.161           51717         81.116           51717         81.116           51717         81.116           51718         41.106           51719         81.116           51719         81.116           51719         81.116           51710         81.116           51710         81.116           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416 <tr< td=""><td>K           355         14.62731       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  | Al         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B<  
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51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416      <tr< td=""><td>K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110</td><td></td><td>Al         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           B         B</td><td>Borney         Control         <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>1         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.000         0.000           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td><td>B         B</td><td>A)         B)         S)         U           -</td><td>L         X         A           0.00172         2.04         0.00172         2.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           <td< td=""></td<></td></thco<></thcontrol<></thcontrol<></td></tr<></td></td<>  | 2         0.11.2           2         2.12.2           2         2.2.2.2           2  
   
  | 2012:00         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2014:07:0<   
  | En         Mg           5568         41.161           5568         41.161           51717         81.116           51717         81.116           51717         81.116           51718         41.106           51719         81.116           51719         81.116           51719         81.116           51710         81.116           51710         81.116           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416           51710         51.416 <tr< td=""><td>K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110</td><td></td><td>Al         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           B         B</td><td>Borney         Control         <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>1         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.000         0.000           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td><td>B         B</td><td>A)         B)         S)         U           - 
       -         -         -         -         -</td><td>L         X         A           0.00172         2.04         0.00172         2.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           <td< td=""></td<></td></thco<></thcontrol<></thcontrol<></td></tr<>  | K           355         14.62731           355         14.62731           357         21.7724           364         14.55240           464         14.55240           469         14.55240           470         14.55240           481         31.381           482         31.381           484         31.642           491         19.3506           402         31.381           403         40.65217           404         31.306           405         40.65217           402         31.306           403         41.33110   |  
   | Al         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           A         B           B         B  
  | Borney         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>1         0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.000         0.000           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2</td><td>B         B</td><td>A)         B)         S)         U           -</td><td>L         X         A           0.00172         2.04         0.00172         2.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           <td< td=""></td<></td></thco<></thcontrol<></thcontrol<>  | 1      
  0.0000         0.0000         0.0000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.000         0.000           1.0000         0.0000         0.0000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000  |   
   | Image         Image         Image         Image           Image         Im  
  | 8 8 8 8 8 2 2 3 4 8 8 2 4 8 8 2 4 8 8 2 4 8 8 2 4 4 2 4 2   | B          
   | A)         B)         S)         U           -   | L         X         A           0.00172         2.04         0.00172         2.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.04         0.00172         0.04           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01           0.0001721         2.01         0.00172         0.01 <td< td=""></td<>   |
| Chap:<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>10   | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Torontal<br>180<br>905 Torontal<br>100<br>905 Torontal<br>1005 Torontal  | 1.2.5%1         4.2.5%           1.8.972         1.8.972           1.8.972         1.8.972           1.8.972         1.8.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.8.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972         1.9.972           1.9.972 <t< td=""><td>TOP         TOP           Linearce         Linearce           Linearce         Linearce     &lt;</td><td>B21520         1           B121777         1           B121777         1           B12177         1     <!--</td--><td>La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02</td><td>K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514</td><td></td><td>A         B           A         B           A         B           A         C           B         C           A         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C</td><td>Boom         Display         Display         Display           Image         Image         Image         Image           Image         &lt;</td><td>1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000      
  0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.00000         0.0000         0.0000<td></td><td>Image         Image         Image         Image           Image         Im</td><td>B 20002     B 20002     B</td><td>Balleric         Balleric         Balleric         Balleric         Balleric           P         6         6         6         6           P         6</td><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>L         N           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04      <tr< td=""></tr<></td></td></td></t<>  | TOP         TOP           Linearce         Linearce           Linearce         Linearce     <   
   | B21520         1           B121777         1           B121777         1           B12177         1 </td <td>La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02</td> <td>K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514</td> <td></td> <td>A         B           A         B           A         B           A         C           B         C           A         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C</td> <td>Boom         Display         Display         Display           Image         Image         Image         Image           Image         &lt;</td> <td>1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.00000         0.0000         0.0000<td></td><td>Image         Image         Image         Image           Image         Im</td><td>B 20002     B 20002     B</td><td>Balleric         Balleric         Balleric         Balleric         Balleric           P         6         6         6         6           P         6     
   6         6</td><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>L         N           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04      <tr< td=""></tr<></td></td> | La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02  
  | K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514  |   
  | A         B           A         B           A         B           A         C           B         C           A         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C           B         C  
   | Boom         Display         Display         Display           Image         Image         Image         Image           Image         <  
   | 1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.00000         0.0000         0.0000 <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>B 20002     B 20002     B</td> <td>Balleric         Balleric         Balleric         Balleric         Balleric           P         6         6         6         6           P         6</td> <td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td> <td>L         N           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04      <tr< td=""></tr<></td>  |   
   | Image         Image         Image         Image           Image         Im  
  | B 20002     B   | Balleric         Balleric         Balleric         Balleric         Balleric           P         6         6         6         6           P         6   | A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io  | L         N           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         2.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04           0.00172         0.04 <tr< td=""></tr<>   
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| Chap<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100-1<br>100   | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Towards<br>100<br>2005 Towards<br>100 Towards<br>1  | Type         Control           1         1         1           1         1         1         1           1         1         1         1         1           1         1         1         1         1         1           1 <td1< td=""><td>TOP         TOP           Linearce         Linearce           Linearce         Linearce     &lt;</td><td>2012:00         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2014:07:0&lt;</td><td>La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02</td><td>K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514</td><td></td><td>Al         B           Al         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B&lt;</td><td></td><td>1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.000         0.000         0.000           1.0000         0.0000
        0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000     &lt;</td><td></td><td>Image         Image         Image         Image           Image         Im</td><td>B 20002     B 20002     B</td><td>Billion         Billion         Billion         Billion         Billion           1         <t< td=""><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>M         N         S           0.001212         2.04         0.001212         2.04           0.001212         2.04         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001214         0.001214         0.001214           0.001212         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214</td></t<></td></td1<>  | TOP         TOP           Linearce         Linearce           Linearce         Linearce     <   
   | 2012:00         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2012:07:0         1           2014:07:0<  
   | La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02  
  | K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44     
   14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514  |   
  | Al         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B         B           B<   |  
  | 1         0.0000         0.0000         0.000           1.0000         0.00         0.00         0.00           1.0000         0.00         0.00         0.00           1.0000         0.000         0.000         0.000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000       
 0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000           1.0000         0.0000         0.0000         0.0000     <   |   
   | Image         Image         Image         Image           Image         Im  
  | B 20002     B   | Billion         Billion         Billion         Billion         Billion           1 <t< td=""><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>M         N         S           0.001212         2.04         0.001212         2.04           0.001212         2.04         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001214         0.001214         0.001214           0.001212         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214</td></t<>  | A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io  | M         N         S           0.001212         2.04         0.001212         2.04           0.001212         2.04         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001212         0.001212         0.001212           0.001212         0.001214         0.001214         0.001214           0.001212         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214         0.001214         0.001214           0.001214         0.001214        
0.001214         0.001214  |
| Chape<br>100:51<br>300:55<br>300:55<br>300:55<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300:50<br>300<br>300:50<br>300<br>300<br>300<br>300<br>300<br>300<br>300<br>300<br>300<br>3 | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Tourist<br>180<br>004 Tourist<br>180<br>004 Tourist<br>180<br>005 Tourist<br>18  | June         Control  
   | 100         101.0           100         100.0           100         100.0           100         100.0           100         100.0           100         100.0           100         100.0 
         100         100.0           100 <td>abl.200         1           abl.200         1           abl.200         2           abl.200</td> <td>La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02</td> <td>K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514</td> <td></td> <td>Al 2000         Control of the section of the sec</td> <td>None         None         None           A         A         A           A         A</td> <td>1         0</td> <td></td> <td>Bit         Bit         Bit         Bit         Bit           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I           I         <tdi< td="">         I         <tdi< td=""><td>BABBA         P<td>Baller         Baller         Baller         Baller         Baller           1<!--</td--><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>I         I         I         I           AB300         AB3000         AB3000         AB3000</td></td></td></tdi<></tdi<></td>  | abl.200         1           abl.200         1           abl.200         2           abl.200   
   | La         Mg           10         1.01           10         1.01           10         1.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           110         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02           105         0.02           106         0.02           107         0.02           108         0.02           109         0.02           100         0.02           101         0.02           102         0.02           103         0.02           104         0.02  
   
  | K           55         14.6202           55         14.5214           44         14.6402           45         25.641           46         25.641           40         14.5202           41         14.6402           42         31.58           42         31.58           42         31.54           43         44.5224           44         41.5224           44         41.524           44         14.5214           45         24.431.54           46         14.6402           47         14.6402           48         24.0403           49         14.5214           44         14.5414           44         14.3414           44         14.3414           44         14.3514  |   
  | Al 2000         Control of the section of the sec   | None         None         None           A         A         A           A         A   
  | 1         0  
   |   
   | Bit         Bit         Bit         Bit         Bit           I         I         I         I         I         I           I         I         I         I         I         I         I           I         I         I         I         I         I         I         I           I <tdi< td="">         I         <tdi< td=""><td>BABBA         P<td>Baller         Baller         Baller         Baller         Baller           1<!--</td--><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>I         I         I         I           AB300         AB3000         AB3000         AB3000</td></td></td></tdi<></tdi<>   
   | BABBA         P <td>Baller         Baller         Baller         Baller         Baller           1<!--</td--><td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td><td>I         I         I         I           AB300         AB3000         AB3000         AB3000</td></td> | Baller         Baller         Baller         Baller         Baller           1 </td <td>A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io</td> <td>I         I         I         I           AB300         AB3000         AB3000         AB3000</td>   | A         Io         So         So           Io         Io         Io         So           Io         Io         Io         So         So           Io         Io         Io         Io         So           Io         Io         Io         Io         Io           Io  | I         I         I         I           AB300         AB3000         AB3000         AB3000   |
| Chap:<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>102-1<br>10   | Personal<br>Lenger Child<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Filling periods<br>Construction<br>Filling periods<br>Filling periods  | 903 Towards<br>100<br>2005 Towards<br>100 Towards<br>1  | Type         Control           1         1         1           1         1         1         1           1         1         1         1         1           1         1         1         1         1         1           1 <td1< td=""><td>20         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           201         0.11.2     <td>221230         1           2312772         1           241272         1           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2410         2     <td>L         Adg           252464         41.01           252474         41.01           25179         41.04           25179         41.04           25170         41.05           25170         41.05           25171         41.05           25171         41.05           25171         41.05           25171         41.05           25171         31.43           25173         31.43           25174         41.05           25175         31.43           25175         31.43           25175         31.43           25175         41.05           25175         31.43           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05</td><td>K           24         24.2721           24         24.2721           24         24.2721           24         24.2721           24         24.2724           24         24.6424           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24        
24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           25         24.2724           26.2724         27.2724</td><td></td><td>Al 2000         Control of the section of the sec</td><td>A         A</td><td>1         0.0000         0.0000         0.0000         0.000           1         0.000<td></td><td>Image         Image         Image         Image           Image         Im</td><td>Based         Based           Based        </td><td>Ballet //         Ballet //         Ballet //         Ballet //         Ballet //           1</td><td>Ag         Ba         Ba         Ba           i         A 4840         21           i         A 5840         23           i         A 5840         23           i         A 5840         24           i         A 5840         34           i         A 5840         34           i         A 4840         3434           i         A 4840         3444           i<td>L         L         S           address         address         address           address         address         address</td></td></td></td></td></td1<>  | 20         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           200         0.11.2           201         0.11.2 <td>221230         1           2312772         1           241272         1           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2410         2     <td>L         Adg           252464         41.01           252474         41.01           25179         41.04           25179         41.04           25170         41.05           25170         41.05           25171         41.05           25171         41.05           25171         41.05           25171         41.05           25171         31.43           25173         31.43           25174         41.05           25175         31.43           25175         31.43           25175         31.43           25175         41.05           25175         31.43           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05</td><td>K           24         24.2721           24         24.2721           24         24.2721           24         24.2721           24         24.2724           24         24.6424           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           25         24.2724           26.2724         27.2724</td><td></td><td>Al 2000         Control of the section of the sec</td><td>A         A    
    A         A         A         A         A</td><td>1         0.0000         0.0000         0.0000         0.000           1         0.000<td></td><td>Image         Image         Image         Image           Image         Im</td><td>Based         Based           Based        </td><td>Ballet //         Ballet //         Ballet //         Ballet //         Ballet //           1</td><td>Ag         Ba         Ba         Ba           i         A 4840         21           i         A 5840         23           i         A 5840         23           i         A 5840         24           i         A 5840         34           i         A 5840         34           i         A 4840         3434           i         A 4840         3444           i<td>L         L         S           address         address         address           address         address         address</td></td></td></td>   | 221230         1           2312772         1           241272         1           2400         2           2400         2           2400         2           2400         2           2400         2           2400         2           2410         2 <td>L         Adg           252464         41.01           252474         41.01           25179         41.04           25179         41.04           25170         41.05           25170         41.05           25171         41.05           25171         41.05           25171         41.05           25171         41.05           25171         31.43           25173         31.43           25174         41.05           25175         31.43           25175         31.43           25175         31.43           25175         41.05           25175         31.43           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05</td> <td>K           24         24.2721           24         24.2721           24         24.2721           24         24.2721           24         24.2724           24         24.6424           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           25         24.2724           26.2724         27.2724</td> <td></td> <td>Al 2000         Control of the section of the sec</td> <td>A         A</td> <td>1         0.0000         0.0000         0.0000         0.000           1         0.000<td></td><td>Image         Image         Image         Image           Image         Im</td><td>Based         Based           Based        </td><td>Ballet //         Ballet //         Ballet //         Ballet //         Ballet //           1   
     1         1</td><td>Ag         Ba         Ba         Ba           i         A 4840         21           i         A 5840         23           i         A 5840         23           i         A 5840         24           i         A 5840         34           i         A 5840         34           i         A 4840         3434           i         A 4840         3444           i<td>L         L         S           address         address         address           address         address         address</td></td></td>  | L         Adg           252464         41.01           252474         41.01           25179         41.04           25179         41.04           25170         41.05           25170         41.05           25171         41.05           25171         41.05           25171         41.05           25171         41.05           25171         31.43           25173         31.43           25174         41.05           25175         31.43           25175         31.43           25175         31.43           25175         41.05           25175         31.43           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05           25175         41.05  
   | K           24         24.2721           24         24.2721           24         24.2721           24         24.2721           24         24.2724           24         24.6424           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           24         24.2724           25         24.2724           26.2724         27.2724   |  
   | Al 2000         Control of the section of the sec   
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   | 1         0.0000         0.0000         0.0000         0.000           1         0.000 <td></td> <td>Image         Image         Image         Image           Image         Im</td> <td>Based         Based           Based        </td> <td>Ballet //         Ballet //         Ballet //         Ballet //         Ballet //           1</td> <td>Ag         Ba         Ba         Ba           i         A 4840         21           i         A 5840         23           i         A 5840         23           i         A 5840         24           i         A 5840         34           i         A 5840         34           i         A 4840         3434           i         A 4840         3444           i<td>L         L         S           address         address         address           address         address         address</td></td>  |  
  | Image         Image         Image         Image           Image         Im   
   | Based         Based           Based   | Ballet //         Ballet //         Ballet //         Ballet //         Ballet //           1  | Ag         Ba         Ba         Ba           i         A 4840         21           i         A 5840         23           i         A 5840         23           i         A 5840         24           i         A 5840         34           i         A 5840         34           i         A 4840         3434           i         A 4840         3444           i <td>L         L         S           address         address         address           address         address         address</td> | L         L         S           address         address         address   
  |

HQ >1 HQ >5 HQ > 10

Table C.5 Downstream P Table C.5 Downstream Hazard Quotient Calculations

P\$134791 Conceptual Exposure Model Definition Phase Study, Jimblehar Beneficiation Project

	Parameter		pêt	pc	TDS	Alkalinity	Ca	Mg	ĸ	Na	CI	\$04	A1	Sb	Ax	в	Ba	Be	Cd	Co	Cu	Cr	- F	Fe	Hg M	Mo	otal Nitrog	Nitrate Nitrite	Ni	P 1	°b 5	ie –	Si Ag	Sn	52	п и	v	v
	Lowest Criteria		6			200				180	250	88		0.001	0.01	0.37	0.01	0.01	0.0002			0.006	1.5	0.03	0.0006 0.3	0.00			0.011		634 0.		0.00005		_	0.02		_
		Average	7.6365	4.8313	738.6400	211.2200	44.8880	56.1522	12.8700	79.3550	170.0900	77,4990	0.0000	0.0000	0.0000	0.2298	0.0281			0.0000	0.0000	00002.0	0.3300	0.0011	0.00	0 0.00	0.2410		0.0000	0.0	0.0 0.0	000 1	.3316	0.	0000	0.000	0.00	1000
- Base Seepare	Initial Condition	HQ	1.2728		1.2311	1.0561				0.4409	0.6804	0.\$807	0.0000	0.0000	0.0000	0.5670	2.8052			0.0000	0.0000	0.0002.0	0.2000	0.0376	0.00	0 0.00	3		0.0000	0.0	0.0 0.0	000				0.000	.0	
- Hase Seepage	Tantal Candition	90th Percentile	7.6365	4.8313	738.6400	211.2200	44.8880	56.1530	12.8700	79.3550	170.0900	77.4990	0.0000	0.0000	0.0000	0.2098	0.0281			0.0000	0.0000	0.0002.0	0.3000	0.0011	0.00	0 0.00	0.2410		0.0000	0.0	0.0 0.0	000 1	.3317	0.	0000	0.000	0.00	:000
		HQ	1.2728		1.2311								0.0000	0.0000	0.0000	0.5670	2.8052			0.0000	0.0000	0.0002.0		0.0376	0.00	0 0.00	0		0.0000	0.0	000 0.0	000						
		Average	7.6365	4.8313	738.6400	211.2200	44.8850	56.1522	12.8700	79.3554	170.0900	77,4990	0.0000	0.0000	0.0000	0.2298	0.0281			0.0000	0.0000	0.0000	0.33000	0.0011	0.00	0 0.000	0.2410		0.0000	0.0	0.0 0.0	000 1	3316	0	0000	0.000	0.00	.000
High Seeparg	Initial Condition	HQ	1.2728		1.2311	1.0561				0.4409	0.6804	0.8807	0.0000	0.0000	0.0000	0.5670	2.8052			0.0000	0.0000	0.0000	0.2000	0.0376	0.00	0 0.00	0		0.0000	0.0	000 0.0	0.00				0.000	.0	
High Seepage	Tantal Candition	90th Percentile	7.6365	4.8313	738.6400	211.2200	44.8880	56.1530	12.8700	79.3560	170.0900	77.4990	0.0000	0.0000	0.0000	0.2098	0.0281			0.0000	0.0000	0.0000	0.33000	0.0011	0.00	0 0.00	0.2410		0.0000	0.0	0.0 0.0	000 1	.3317	0	0000	0.000	0.00	.000
		HQ	1.2728		1.2311	1.0561				0.4409	0.6804	0.8807	0.0000	0.0000	0.0000	0.5670	2.8053			0.0000	0.0000	0.0000	0.2000	0.0376	0.00	0 0.00	0		0.0000	0.0	000 0.0	0.00				0.000	.0	
		Average	7.6365	4.8313	738.6400	211.2200	44,8850	56.1522	12,8700	79,3550	170.0900	77,4990	0.0000	0.0000	0.0000	0.2298	0.0281		0.0000	0.0000	0.0000	0.0000	0.3000	0.0011	0.00	0 0.00	0.2410		0.0000	0.0	000 0.0	000 1	3316	0	0 0000	.0000 0.000	0.00	2000
		BO	1.2728		1.2311	1.0561				0.4409	0.6804	0.8807	0.0000	0.0000	0.0000	0.5670	2.8052		0.0000	0.0000	0.0000	0.0000	0.2000	0.0376	0.00	0.00			0.0000	0.0	000 0.0	000				0.000	.0	
Base Scepage	Initial Condition	90th Percentile	7.6365	4.8313	738.6400	211.2200	44,8850	56.1530	12,8700	79,3550	170.0900	77,4990	0.0000	0.0000	0.0000	0.2298	0.0281		0.0000	0.0000	0.0000	0.0000	0.3000	0.0011	0.00	0 0.00	0.2410		0.0000	0.0	000 0.0	000 1	3317	0	0000	0.000	0.00	3000
		HO	1.2728		1.2311	1.0561				0.4409	0.6804	0.8807	0.0000	0.0000	0.0000	0.5670	2.8052		0.0000	0.0000	0.0000	0.0000	0.2000	0.0376	0.00	0.00			0.0000	0.0	000 0.0	000				0.000	.0	
		Average	7.6769	4 84 18	7.99.6155	2053345	45.4720	52 7647	12.6191	85.7050	176 4907	75 2499	0.0005	0.0000	0.0001	0.1984	0.0351		0.0000	0.0000	0.0000	0.0000	0.4041	0.0011	0.00	1 0.00	0.2314		0.0000	0.0	000 0.0	001	494	0	0152 0	0000 0.000	0	_
		HO	1.2712		1.2327	1.0267				0.4766	0.7064	0.8552	0.0091	0.0002	0.0055	0.5363	3.5135		0.0000	0.0016	0.0113	0.0000	0.2694	0.0360	0.00	2 0.06	5		0.0040	0.0	001 0.0	103				0.000	Á.	
Base Seepage	First Filing Scepage	90th Percentile	7.6217	4 8505	7.47 (96.40)	202 2230	45.0401	54.0761	12.8107	881641	179 0710	767283	0.0012	0.0000	0.0001	0.2014	0.0377		0.0000	0.0000	0.0000	0.0000	0.4520	0.0011	0.00	0 0.00	0.2369		0.0001	0.0	000 0.0	001 1	9461	0	0204 0	.0000 0.000	0	
		HO	1.2703		1246	1.0111				0.4898	0.7163	0.8719	0.0213	0.0005	0.0090	0.5228	\$ 7779		0.0000	0.0010	0.0308		0.3014		0.00	9 0.02			0.0075	0.0	0.0 8.00	142				0.000		
		Average	7.6774	4 8497	7.43 76.90	202 2400	45 2044	51 2693	12.5665	807786	181.0588	745413	0.0000	0.0000	0.0001	0.1937	0.0392		0.0000	0.0000	0.0000	0.0000	0.4694	0.0011	0.00	9 0.00	0.2261		0.0001	0.0	000 0.0	0.02	6804	0	0715 0	0000 0.000	0	-
		HO	1.2704		1.2396	1.0138				0.4985	0.7242	0.8471	0.0068	0.0004	0.0092	0.5234	3.9248		0.0000	0.0030	0.0187	0.0000	0.3129	0.0359	0.00	8 0.10			0.0065	0.0	607 0.0	1.59				0.000	6	
High Seepage	First Filing Scopage	90th Percentile	7.6140	4 8607	761 2920	197.6730	46,4140	53.0470	12.9776	915176	185 0140	77.5512	0.00.22	0.0000	0.0001	0.2029	0.0479		0.0000	0.0000	0.0001	0.0000	0.5866	0.0012	0.00	4 0.00	0.2380		0.0001	0.0	000 0.0	0.02	9014	0	0108 0	0000 0.000		
		HO	1.2690		1.2688	0.9851				0.5195	0.7437	0.8813	0.0351	0.0011	0.0131	0.5484	4.2922		0.0000	0.0065	0.0532	0.0001	0.3911	0.0406		8 0.14			0.0124	0.0	026 0.0	215				0.000	'n	
		Average	7.6769	4 84 79	7.99 5797	2053295	45,4767	52.7572	12.6189					0.0000		0.1984			0.0000				0.4033				0.2315		0.0000		000 0.0		4663		0151 0	.0000 0.000	0	-
		HO	1.2711			1.0266							0.0000	0.0002	0.0055		3 5138		0.0000	0.0017	0.0116	0.0000	0.2688	0.0361	0.00				0.0041		661 0.0					0.000		
Base Seepage	First Filing Scepage	90th Percentile	7.6217	4 8506	747 3720	202,2350	45.9477	54.0698	12.8132	88.0431	170.0070	76 9961	0.0012	0.0000	0.0001	0.2011	0.0376		0.0000	0.0000	0.0000	0.0000	0.4492	0.0012	0.00	0 0.00	0.2366		0.0001	0.0	000 0.0	001 1	2603	0	0203 0	.0000 0.000	0	
		HO	1.2703			1.0112							0.0212		0.0094	0.5495	3 7565		0.0000	0.0015	0.0311	0.0000	0.3061	0.0385		9 0.02			0.0075		0.0 9.00					0.000		
		Average		4 83 50			45 1545	55 2153	13.0320					0.0000		0.2073			0.0000				0.4084				0.2418		0.0001		000 0.0		8474	0	0111 0	0000 0.000		_
		HO	1.2722		1.2574	1.0478				0.4790	0.7169	0.8858	0.0229	0.0007	0.0139	0.5602	2444.2			0.0045	0.0007	0.0000	0.2723	0.0199	0.00	7 0.05			0.0020	0.0	664 0.0	030				0.000	á.	
Base Seepage	Sustained Surpage	90th Percentile		4 8373			45 3370	56.0652	13 3904	92 7120	189 3400			0.0000	0.0007	0.2026	0.0391		0.0000	0.0000	0.0000		0.4821		0.00	6 0.00	0.2465		0.0001	0.0	000 0.0	001	2133	0	0150 0	.0000 0.000		
		HO	1 2720			1 04 34						0.9058								0.0000						1 0.02			0.0111		ccs 0.0					0.000		
		Average		4 92 87			46.3307	55 3043	11.4116											0.0000							0.2470		0.0002		000 0.0		169.4		6214 0	0000 0.000		_
		HO	1.2721			1 04 74						0.9095				0.5545							0.3259			1 0.12			0.0138		006 0.0					0.000		
High Seepage	Sustained Surpage	90th Percentile		4 93 93			44.0037	56,7997	14.6047							0.2158							0.6642				0.2593		0.0003		000 0.0		8169		0400 0	.0000 0.000		
		HO	1 2717		1 1910							0.9675							0.0001				0.4478			6 0.22			0.0245		016 0.0					0.001		
		Average		1 22 65			44.1400	55.2013	11.0100											0.0000							0.2416		0.0245		000 0.00		2272		6167 0	0000 0.000		-
		HO	1.2722	4.6/30		1.0478	47.1490	55-2013	1.5.0190			0.8850							0.0000				0.4081			5 0.00 7 0.05			0.0001		000 0.0		-8-718	0.	1107 0.	0.000		
Base Seepage	Sustained Seepage	90th Percentile		4 49 11			44.2412	56.0145	12.2626							0.3399	0.0385						0.2721 0.4801				0.2458		0.0001			038	2112		erren	.0000 0.000		
		HO HO	1.2720			1 04 74		.00.0145	17.3536								3.8476			0.0000						3 0.00			0.0001		0.0 0.0		44.77	0.		0.000		
		102	1.2720		1.2365	1.0424				0.5105	0.7519	0.9034	0.0421	0.0013	0.0138	0.5658	3.5476		0.0000	0.0079	0,000	0.0000	0.5.201	0.0434	0.00	1 0.10	1		0.0115	0.0	0.0 422	1.38				0.000	0	_

HQ>1 HQ>5 HQ>10

# Appendix D Operations – Risk Assessment



Appendix D: Operations Risk Assessment

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	Risk Event							Risk Assessment
Primary and Secondary Sources (and Affected or Impacted	Transport Pathway	Receptors	Potential Impacts	Proposed Controls/ Mitigation Strategies	Conseque	Likelihoo	Risk Rating	Rationale and Recommendations
Environmental Media) Depasition of utilings Alery in Swan / De Grey IPTSF Dyr waste fines (Air quality)	Fugitive dust generated from TSF landform	Native terrestrial flora	Reduction in photosynthesis, respiration, and transpiration due to dust deposition	<ul> <li>Engineering and</li> </ul>	Slight	Possible		The risk to safe terrestrial flora from above highle dust a considered law. In general, dust associated with non on mining (1, e, dust generated from mining activities in totality and not not execusivity considering the dust generated from tailing advoit in the Palvar a generated from the Palvar a generated f
		Nearby realizations, traditional memores, and/or foremers. Recreational users of Ophthalmia Dam (inimited exposure) <sup>*</sup>	Acuts as dichone: Adverte hauth	undertaken	Minor	Bare	Low	Expecte operation of mere varies of these shares, taking between the potential for global strain indications. They be accelerate of the strain
Failure of delivery pipeline carrying tailings slurry to Swan, De Grey IPTSF (Soll, groundwater, and surface water)	slurry to land and seepage	Native terrestrial flora within the vicinity of the pipeline including riparian vegetation communities	Reduced soil and/or groundwater quality resulting in localised, short-term decline in floristic health	<ul> <li>Pipelines are specific ally engineered for the material (i.e., tailings) being transported</li> </ul>	Slight	Unlikely	Low	The field is necessarily the second s
		Groundwater dependent ecosystems including subterranear fauna and riparian vegetation communities	Adverse impacts to groundwater quality and associated ecosystems	<ul> <li>Use of pipeline containment bunds</li> <li>Regular (i.e., daity) visual inspections of</li> </ul>	Minor	Rare	Low	Consubative In the xicitity of the Save and DE Greg vane has been significantly down down to permit mining operations. Save and GB31 bave 3 hydraulic connector, therefore impacts to groundwater quality in the vicinity of Save have the patential to impact the binader regional quality.
	Expression of contaminated groundwater to surface water and	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	pipeline integrity — Periodic pipeline wear assessments — Flow and pressure	Minor	Rare	Low	To understand the consequence resulting from exposure of dentified receptors to the builing stury value and the second se
	subsequent migration further downgradient; overland flow to surrounding creeks (OB31	Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna	monitoring of pipelines for leaks	Minor	Rare	Low	The tailings solids material and the tailings supernataret water reported concentrations of PSCI predominantly below the adopted ecological screening levels. Low level exceedures of screening criteria were identified in tailing solids, groundwater, and surface (befor to HQ presented in Section 5.5.). Addicussed in the report, an exceedence of screening criteria deesn't mean an adverse effect but tragers investigation. In regard to addrese the following have
	Creek and other tributaries) and downstream receiving waters including Shovelanna Creek	Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	been considered in assigning a tour inst anticy. Challence waters creating entities apply to square decosystem not terrestatul Adopted tablings subst, screening criteria sub to long term exposure not acutes that term screenarios like a pipe failure The proposed management and construits given tan a pipe failure will be locatised
		Recrustional users	Adverse impacts to human human temportation use of OB31 Creek and downgradient receiving waters		Slight	Rare	Low	The factored of a failure is unlikely.     If the expert of based carbon experiment failure is the expert of based carbon experiment for the expert of based ba

### Appendix D: Operations Risk Assessment

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Environmental Media) Decanting supernatant water from Direct d tailings in Swan, De Grey IPTSF superna	ct discharge of		Potential Impacts	Proposed Controls/				
tailings in Swan, De Grey IPTSF superna and see Failure of decant water pipeline carrying grounds	ernatant water to land v			Mitigation Strategies	Conseque nce	Likelihoo d	Risk Rating	Rationale and Recommendedions
		lative terrestrial flora within the icinity of the pipeline	Soil and/or groundwater contamination resulting in localised, short-term decline in	<ul> <li>Pipelines are specifically engineered for the material (i.e.,</li> </ul>	Slight	Possible	Low	Supernatant water, unlike tailings stury, is a less viscous liquid, which, in the event of a decart pipe failure, may travel greater distances as overland flow if unimpeded and/or unmonitored. However, proposed controls and management of the decart pipeline (including bunding and flow) pressure monitoring) will reduce the risk of access relates.
	G	iroundwater dependent cosystems including subterranean		supernatant water) being transported — Use of pipeline				Supernatiant water will be be ployed back to the beneficiation plant for reuse is processing. However, excess decant water will need to be stored in a process water pond, the location of which is yet to be confirmed. Geochemical modelling results indicate that a majority of the PSD in ponded water from Swan / De Grey (PTSF will be at concentrations below the adopted ecological screening levels for surface waters and groundwater (refer to HQ) presented in
(Soil, groundwater, and surface water)	£	cosystems including subterranean auna and riparian vegetation ommunities	ecosystems	containment bunds — Flow and pressure	Minor	Rare	Low	Section 5.5.3]. Some low level exceedences of metals were identified in the surface water (Copper and Zinc) and groundwater (Barlum and Copper) were identified during the screening process. Barlum was the only PSOI with HQ greater than 5, resulting in a consequence rating of minor. Additionally, there is a lack of evuidence that a pipelines spill will result in direct contact of ecological receptors in surface waters and groundwater. So there are several factors to consider in terms of
contam	ession of aminated groundwater rface water and	quatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems	monitoring of pipelines for leaks	Minor	Rare	Low	Bielood: - the like Initiation of a decant pipe failure - the supernitation water from a spill reaching surrounding creaks or watercourses
further overlan	equent migration	lative terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna		Minor	Rare	Low	The about provide that the supermatant water will be interested in the event of a decard pipe fullow the opposed durations of the provide component will be applied to be initiated and low) As the location of the process water point is uncertainty where assessment of likelihood that supermatant water will reach the sumounding creaks (DB31 Creak) or other reachy watercourses in the event of a decard pipeline fullow.
and dow waters	k and other tributaries) downstream receiving rs including relaring Creek	ivestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source		Minor	Rare	Low	The concentrations of PSOS in the pontion water from the IPTPFs were all below adopted screening (levels for livesbock, indicating the limited potential for direct impacts to livesbock, indicating). Additionally, livesbock direct exposure (legestion) to supernaturative rate areas of a popties upplies upplies (participation) and the provided screening livesbock direct exposure (legestion) to which may be used for comparison. Beneficing the science base of the provided screening livesbock may be used for comparison. Beneficing the science base of the provided science base of the provided water would occur once it reached groundwater which may be used for comparison. Beneficing the science base of the provided science base of the provided science based of the provided science
	F		Adverse impacts to human health from recreational use of OB31 Creek and associated creeks		Minor	Rare		The concentrations of PSOs in the ponted water from the (PTBFs were below the screening levels for human health (accessional opposer and dimiting water). In terms of itsellood for humans, exposure may occur where a popular split was to recall it water ponting it waters water points in the ponted and the scapeured by groundwater box used for dimiting water). In terms of itsellood for humans, exposure may occur where a popular split was to the scale its waters water points in the scale of the s
	c	Irinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source		Minor	Rare		His would wither reduce the risks posed to human health from disking water. Therefore, the risk to human health (recreational operaus and disking water) from the failure of the decast water pipetine is considered low. Given the above considerations, the risk to receptors from failure of the decast water pipetine ranges from low.
walls to	ugh base and/or pit e s to groundwater f	cosystems including subterranean auna and riparian vegetation	Degradation of groundwater near Swan / De Grey IPTSF Localised, short-term decline in	<ul> <li>Groundwater and surface water quality and quantity (water level, flow) monitoring</li> </ul>	Minor	Unlikely		Devents an wetra quality modelling has been conducted to assess wetra quality parameters at OBEI dange operational parkets which consider a muthum of poor design and unality quantum eters at the provident of th
resulting supern atant water contain waters (Groundwater and surface water) and surface water water in downst waterw	aminated with IPTSF r rs to surface water subsequent surface rr migration rstream along natural rways/ watercourses	parlan vegetation communities	Locaised, short-serm decline in floristic health due to raised water tables, uptake of contaminated shallow groundwater or surface water, and/or increased salts in surface solls due to evapo-concentration	- Continued operation of dewatering system to manage seepage	Minor	Rare		An experience of security is unlikely, as the relative permeability between hydrogological units is more likely to promote flows towards the deep aquiter rather than towards the surface. Groundwater modeling (OVE 2020) provided incides in this in early of groundwater levels rate damage (THE specifics). While Base PE shows high exception to the surface and the specific of the surface and the surface of the s
contam	rs to OB31 dewatering	iquine ecosystems	Adverse impacts to surface water quality and quantity and associated effects to aquatic ecosystems and the hydro cycle		Minor	Rare	Low	There is a period justice of the surface and expanse consystems, ranke treated from (including spatial sequences) and bank, betteck as distances and distange safet by grandwater impacted to sequences from the PERF strange host of the surface sequences and and anyou water from the signal sequences by signal sequences and the signal sequences are associated and the sequences areas are associated and the sequences are associated and th
	Þ		Adverse health impacts resulting from ingestion of contaminated drinking water source		Minor	Rare	Low	resulted in a Hop S. In summay, downtown water quality (upon entry) risks the groundwater system) after closure may have concentrations of PDD with some exceedence of the adopted screening levits. It is assumed hop S. In summay, downtown in the system will be managed signed as part of BMP's overall water management system and in exceedence of adopted screening levits. The advected schule gradient of the Log Strahl point being discharged be the sensing environment (schule add on the point fail account of adopted screening levits.
	L	ivestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	Hinetics can be human drive water at the BBI Sensitivity system may require traditional prior to re-use or disposal. Without traditioner prior to disposal to receiving environments (liveling ophthalma Dam), the concentrations of PSOs in groundwater impacted by seepage at the OBII deviationing system present a medium risk to surface water aquantic exceptions and antities international prioritidip antipagation exception prior to the concentrations of PSOs in groundwater impacted by seepage at the OBII deviationing system present a medium risk to surface water aquantic exceptions and antities international prioritidip antipagation exception prior to the result of the OBII deviation of system present and the result of the OBII deviation of th
			Adverse impacts to human health from recreational use of OB31 Creek other nearby watercourses and waterbodies		Slight	Rare	Low	To instruct and shall agents, in a summeth of white in Collision Dam mould be regardled and up to the excellence provide and summary and and agents and an adverte provide and
	c	kinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	hectbock and dimiting water. Based on the available information, a medium risk costing is warrantee for against ecceptems. A low risk costing is assigned to native temestical flora and burns, and a low risk to thestock, and receational users of creats and the groundwater receiving waters such as Ophthalma Dam[5] from seepage losses.

### Appendix D: Operations Risk Assessment

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	Risk Event							RiskAssessment
Primary and Secondary Sources (and Affected or Impacted Environmental Media)		Receptors	Potential Impacts	Proposed Controls/ Mitigation Strategies	Conseque nce		Risk Rating	Rationale and Recommendations
		Native terrestrial flora including	Potential soil erosion and	<ul> <li>Engineering assessment</li> </ul>				As detailed in the water balance model (WSP, 2023b), De Grey and Swan in-pit IPTSFs are located on Shovelanna Hill; therefore, flood risks from extreme storm events for these pits are minimal as they are not adjacent to any major watercourses.
	over the pit rim <sup>4</sup>	riparian vegetation communities	physical damage to vegetation	of water balance and				The reporting catchments are relatively small and would not cause excessive runoff inflow volumes during extreme storm events. Critical surface water management structures (i.e., diversions such as channels, dikes, and/or bunds) are not
Pit overtopping			from overland flow and/or	capacity to contain				planned under future flood management strategies for these orebodies.
(Soil, groundwater, and surface water)			flooding	significant flood events	Minor	Rare	Low	In addition:
			Soil and/or groundwater	<ul> <li>Contingency freeboard</li> </ul>				- the final tailings elevation of the in-pit TSFs is such that the 1 in 1,000 AEP, 72-hour extreme storm event can be stored which complies with Global Industry Standard on Tailings Management (GISTM) requirements for a consequence category
			contamination resulting in	within relevant regulatory				of "Significant" and aligns with BHP's key risk indicators (KRIs) for TSFs; and
			decline in floristic health	(i.e., DMIRS and ANCOLD)				- the contingency freeboard on top of the extreme storm event is the largest vertical distance of either 0.5 m above the stored event according to DMIRS requirements, or an additional 0.3 m plus freeboard for 1 in 10 AEP wind according to
		Groundwater dependent	Adverse impacts to groundwater	guidelines				ANCOLD requirements.
		ecosystems including subterranear	quality and associated		Minor	Bare	Low	The most likely cause of a pit overtopping is an extreme storm event (and if there is overtopping of the diversion drains), beyond what the Swan / De Grey IPTSF have been designed for. Overtopping above the stored 1 in 1,000 AEP, 72-hour event
		fauna and riparian vegetation	ecosystems		Pillo	Pare	LOW	may occur if another event occurs right after; however, the likelihood of consecutive independent events is extremely rare. In the rare event that the containment area overtops, the escaping supernatant water is likely to be diluted by heavy rainfall
		communities						and thus, the risk to potential receptors from water quality and quantity in the receiving environment is considered low.
		Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water					
			quality and associated		Minor	Rare	Low	
			ecosystems					
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting					
			from ingestion of contaminated		Slight	-	Low	
			drinking water source		sugnt	Rare	LOW	
		Livestock (cattle)	Adverse health impacts resulting					
			from ingestion of contaminated			-		
			drinking water source		Slight	Rare	Low	
			-					
		Recreational users	Adverse impacts to human					
			health from recreational use of			-		
			Ophthalmia Dam, or other nearby		Minor	Rare	Low	
			watercourses					
		Native terrestrial fauna <sup>3</sup>	Acute or chronic effects on					To guage the consequence to ecological receptors if exposed to tailings solids, the tailings solids data were screened against available assessment criteria (Section 5.5.). Concentrations of manganese and antimony concentrations had minor
			health					exceedences of the adopted ecological tailings screening values which triggerd further investigation as to the likelihood of direct contact by terrestrial fauna.
			Entrapment in soft fines					
								In terms of the consequence to ecological receptors from exposure to supernatant water, modelling predictions for the in-pit bonded water were screened against available assessment criteria (Section 5.5). Low level exceedences of copper and
								zinc were identified. This triggered further investigation as to the likelihood of direct contact to the surface water by terrestrial fauna.
Deposition of tailings slurry in Swan and								
De Grey IPTSF				<ul> <li>Exclusion bunding</li> </ul>				Note that the screening criteria for both tailings solid and supernatant water apply to more of a chronic exposure scenario, rather than sporadic or intermittant exposures for short durations. The logic therefore leads to a minor consequence.
	Entry to TSF containment			around pit to				
	and subsequent direct			discourage access	Minor			In addition, there may be potential for direct or indirect effects from nutrients, such as harmful algal blooms (HAB) based on the nitrogen concentrations.
	contact with or ingestion of			<ul> <li>Routine</li> </ul>	Minor	Possible	Medium	
	waste fines and/or			surveillance program,				In terms of likeloood of direct contact to tailings solid and supernatant water, the presence of a supernatant pond with beaches of tailings solids, may attract terrestrial fauna, particularly birds. However, the presence of moving plant and
	supernatant water			including daily fauna				equipment in and around the TSF may deter some wildlife. Furthermore, the presence of nearby water storage dams which fauna may favour rather than accessing the supermatant pond.
inside Swan and De Grey IPTSF containment)				checks				
containment)								Regardless of the minor consequence, due to the unknown potential exposure, a likehood rank of possible is applied which derives a medium risk to native terrestrial fauna from entry to TSF containment and subsequent direct contact with or
								ingestion of waste fines and/or supernatant water.
								WSP anticipates that BHP will manage the potential risks to the environment from the rare event of a pit wall collapse through implementation of engineering controls (e.g., regular inspections of pit wall stability/slope failure). As a result, the risk
								to aquatic ecosystems and native terrestrial flora and fauna is assessed to be low on the assumption that minor consequences are only expected under exceptional circumstances.
Deposition of tailings slurry in Swan and	Overland flow of debris and	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water					WSP anticipates that BHP will manage the potential risks to the environment from the rare event of a pit wall collapse through implementation of engineering controls (e.g., regular inspections of pit wall stability/slope failure). As a result, the risk
	subsequent displacement		quality and associated					to aquatic ecosystems and native terrestrial flora and fauna is assessed to be low on the assumption that minor consequences are only expected under exceptional clicumstances.
	of tailings and subsequent		ecosystems	<ul> <li>Implementation of</li> </ul>				
	overland flow to		Destruction of habitat	engineering controls (e.g.,	Minor	Bare	Low	
	downgradient receiving			regular inspections of pit				
	environments following pit			wall stability/slope failure)				
	wall collapse							
		Native terrestrial flora and fauna <sup>3</sup>	Smothering and/or entrapment of	1				
		rearry correation 1014 dill 14014	receptors		Minor	Bare	Low	
			Destruction of habitat					

Prepared: NA Reviewed: JM

# Appendix E Closure – Risk Assessment



### Appendix E: Closure Risk Assessment

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	Risk Event							Risk Assessment
Primary and Secondary Sources	Transport Pathway	Receptors	Potential Impacts	Proposed Controls/ Mitigation Strategies	Closure Str	ategy - Partial	Backfill	Rationale and Recommendations
(and Affected or Impacted					Consequence	Likelihood	Risk	
Environmental Media)						Lakeimood	Rating	
Post Deposition of tailings slurry in Swan / De Grey IPTSF Dry waste fines (Air quality)	Fugitive dust generated from TSF landform	Native terrestrial flora	Reduction in photosynthesis, respiration, and transpiration due to dust deposition	<ul> <li>Engineering and management controls Waste fines surface is below the pit crest, reducing evaporation, wind exposure, and dust generation — Air quality (i.e., dust) monitoring will be undertaken — Proposed closure strategy create seperation/barrier to source</li> </ul>	Slight	Rare	Low	The risk is naive terrential flow from airbone fugive due is considered low. Is general, due saociated with non certaining dec., due generated from mining (e.g., due to measurely considering the due and pertaction lutility also on the Fully in general, due tassociated with interve 2013. Effects on segurition is not allowed from segurities (here the segurities) in the due segurities (in the due segurities) in the due segurities (in the due segurities) in the due segurities) in the due segurities (in the due segurities) in the due segurities of the due segurities (in the due segurities) in the due segurities) in the due segurities (in the due segurities) in the due segurities) in the due segurities (in th
	Direct discharge of supernatant water	Recreational users, nearby residents <sup>*</sup> , traditional owners, and/or farmers	Acute and chronic effects on human respiratory system and general health and amenity		Minor	Rare	Low	The purifies backfill strategy option incorporates a cover layer with receptation, which a considered to mainine duar generation. However, receptation and option of the tallings consolidation period. Turning tallings consolidation (approximally 30) gaves posse 2033 (h) about generation partial with a solution of the background and the solution of the period period. These emission can be reduced by implementing engineering and manageneer corrects. The effectiveness of the data emission controls can be assessed using ambient air quality and that deposition mainting in addition, propositive remediation of the ultilgy articles, a consolidation and bee manageneer of data prior to receptation being completed. Overall, the pathway is angiged beer risk rating based on the final receptated landmin and the manageneer of data prior to receptation being completed.
	Direct discharge of supernatant water to land and scepage to groundwater	Native terrestrial Hora within the vicinity of the pipeline Groundwater dependent	Soil and/or ground/water contamination resulting in localised, short-term decline in Boristic health Adverse impacts to ground/water	<ul> <li>Pipelines are specifically engineered for the material (i.e., supernatant water) being transported Use of pipeline containment bunds</li> <li>Flow and pressure monitoring of pipelines for leaks</li> <li>Porposed closure strategy decomissions pipeline infastrature therefore removing potential source/pathway</li> </ul>	Minor	Rare	Low	regularly decounted pumped down) to keep it within a defined openting range. Furthermore, the downer dosign assumes that no permission produce of the control origin permission development. However, noting the above, there is still the postnil at a some stage during downer them they have the postnil at a some stage during downer them easily includes constraining appreciation of a permission development. However, noting the above, there is still the postnil at a some stage during closure that eval to be easily advected to a stage of the postnil at a some stage during closure that evaluation of a permission of the stage of the control or the stage of the postnil produced the to the control or the permission of the stage of the control or the stage of the control or the stage of the postnil at a stage of the
		ecosystems including subterranean fauna and riparian vegetation communities	quality and associated ecosystems					water quality of the ponds will have not concertaining guester that the modelling results from the Operations water quality. Given the discussion above on the reduced frequency of documing, the Relibol of exposure has been assessed as rere, resulting in a risk rating of <b>low</b> . However further studies are recommended to increase the understanding of the goothemical conditions and influence to the regional hydrogeology at closure.
	Expression of contaminated groundwater to surface water and subsequent migration further downgradient; overland flow to surrounding creeks (OB31 Creek and other tributaries) and downstream receiving waters including Shovelanna Creek	Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and associated ecosystems		Minor	Rare	Low	
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source by fauna		Minor	Rare	Low	
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek and associated creeks		Slight	Rare	Low	
Deposition of tailings slurry in Swan / De Grey IPTSF Consolidation of tailings slurry and resulting supernatant water (Groundwater and surface	base and/or pit walls to groundwater	Groundwater dependent ecosystems including subterranean fauna and riparian vegetation communities	Degradation of groundwater near Swan / De Grey IPTSF	<ul> <li>Groundwater and surface water quality and quantity (water level, flow) monitoring</li> </ul>		Unlikely	Medium	The shaft BPS design included inter (i) different closure options - Option 1 – Optimie Without (OWO) (Option 2 - Parial Backfill; Option 3 - Full Backfill; Option 3 - Full Backfill; Option 3 - Full Backfill; Option 4 - Optimie Without (OCC) (Option 2 - Parial Backfill; Option 3 - Full Backfill; Option 4 - Optimie Without (OCC) (Option 2 - Parial Backfill; Option 3 - Full Backfill; Option 4 - Optimie Without (Option 2 - Optimie Without (Optimie Wit
water)	Expression of groundwater contaminated with IPTSF waters to surface water and subsequent surface water migration downstream along natural waterways/ watercourses	Native terrestrial flora including riparian vegetation communities	Localised, short-term decline in floristic health due to raised water tables, uptake of contaminated shallow groundwater or surface water, and/or increased salts in surface soils due to evapo-concentration		Minor	Rare	Low	Independential mean interface for operations have not for channe (post 2011). Informed by the operations hydrogological modelling unstantiate for a person mean for a sense water quality parameters at 0131 during operational periods which counsiler a mixture of post operator with counting a model of the person of the sense water quality parameters at 0131 during operational periods which counsiler a mixture of post operator modeling and mutual guarantees at the sense of the periods mean sense water quality parameters at 0131 during operational periods which counsiler a mixture of post operator modeling and mutual guarantees at the sense of the periods mean sense water quality parameters at 0131 during operational periods which counsiler a mixture of post operator modeling as a mixture of post operator modeling as a mixture of post operator modeling and the period operator modeling as a mixture of post operator modeling and the period operator modeling as a mixture of post operator modeling operator modeling as a mixture of post operator modeling operator operator modeling oper
		Aquatic ecosystems <sup>2</sup>	Adverse impacts to surface water quality and quantity and associated effects to aquatic ecosystems and the hydro cycle		Minor	Rare	Low	Accummy is not minute any two sources mana: Based on the adopted results from the in-pit ponded water modeling during closure and downstream modelling results during operations, a risk rating of Low to Medium has been assigned in relation to remonitant or dependent ecosystems (primarily subterrates at fama) to groundwater contaminated with IPXSF waters. High-level water quality modeling undertaken for Closure Option 1 for the in-pit ponded water for the IPTSF indicates that IPXOF concentrations in the ponded water will below the adopted
		Native terrestrial fauna <sup>3</sup>	Adverse health impacts resulting from ingestion of contaminated drinking water source		Minor	Rare	Low	progression water quary moneuming uncertained to source option 1 tore tone in-pri pondace water or time Ley Ses indicates that FSOI concentrations in the ponder water with result with a subject screening criteria for investoria and humans to groundwater contaminated with IPTSF waters.
		Livestock (cattle)	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	
		Recreational users	Adverse impacts to human health from recreational use of OB31 Creek other nearby watercourses and waterbodies		Slight	Rare	Low	
		Drinking water	Adverse health impacts resulting from ingestion of contaminated drinking water source		Slight	Rare	Low	
						<u> </u>		1

### Appendix E: Closure Risk Assessment

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This year of lease         Angel (and Nagine Nagin Nagine Nagine Nagine Nagine Nagin Nagin Nagine Nagin		Risk Event							Risk Assessment
Number of the state		Transport Pathway	Receptors	Potential Impacts	Proposed Controls/ Mitigation Strategies	Closure Stra	ategy - Partial	Backfill	Rationale and Recommendations
Image:	Sources								
Nember of end operators in a set of the set operators in the set of the set						Consequence	Likelihood		
No. IN SPT 201 		Flow of constant water over the	Nativa terrectrial flora including	Potential coil arocice and physical	- Engineering according to funder balance and	Minor	Para	Rating	Duricle accelerated with air contonning at closures are the same or lace than the ricks identified for constrainer. GISTM positionments for facilities in particle closure rewrite the management
Normal Processing Procesponsing Processing Processing Processing Processing Processing							runc	2.00	
Network         Number of the second se	Pit overtopping				<ul> <li>Contingency freeboard within relevant</li> </ul>				
Number of the state		1							
Network         Note that a space of the second	water)			floristic health					
Network         Network <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Normalized sector         Normalicol sector         Normalicol sector					ponding	Minor	Rare	Low	
Network         Number of the second se				quality and associated ecosystems					
Number of the second		1							
Number of the second			Aquatic ecosystems <sup>2</sup>			Minor	Rare	Low	
Nervice Algorithm         Image: Algorithm         Addition         Addi					-	Minut	P	Low	
Network         Index larger         Index larger         Index larger         Index         Index <th< td=""><td></td><td></td><td>Native terrestriai tauna</td><td></td><td></td><td></td><td>reme</td><td>2.00</td><td></td></th<>			Native terrestriai tauna				reme	2.00	
Number of the second				water source					
Number of the second			Livestock (cattle)			Slight	Rare	Low	
Network         Network <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Network         Network <t< td=""><td></td><td></td><td>Recreational users</td><td>Adverse impacts to human health from</td><td>-</td><td>Slight</td><td>Ram</td><td>Low</td><td></td></t<>			Recreational users	Adverse impacts to human health from	-	Slight	Ram	Low	
Depointer during bary         Operation         Address         Lesson during segment         Lesson during segment <thlesson during="" segment<="" th=""> <thlesson during="" s<="" td=""><td></td><td></td><td></td><td>recreational use of Ophthalmia Dam,</td><td></td><td></td><td></td><td></td><td></td></thlesson></thlesson>				recreational use of Ophthalmia Dam,					
Non-and Recy (FP) Test									
Canaditation statistics and			Native terrestrial fauna3	Acute or chronic effects on health		Minor	Possible	Medium	
Number field upwarder vorticing is some and trace up is marked is an exception within is performed in the source of the correct registion is a within it is asseed of the source of the correct registion is a within it is asseed of the source of the correct registion is a within it is asseed of the source of the correct registion is a within it is asseed of the source of	Consolidation of tailings slurry	ingestion of waste fines and/or		Entrapment in soft fines	access				is unknown, in addition, at closure increase information of the inform
Normality constrained by constrained		supernatant water/ponded water							
Problem         Active choice effects or bath         Active choice effects or bath         More pack         More pack        More pack        More pack									
Problem         Problem <t< td=""><td>IPTSF)</td><td></td><td></td><td></td><td>-</td><td></td><td>_</td><td></td><td></td></t<>	IPTSF)				-		_		
Depoint of tables of ta				Acute or chronic effects on health		Millior	Kare	Low	The tailings solids data was screened against available screening criteria (see Section 6.5.1). The tailings solids were below adopted criteria to the protection of human health (recreational new) and livestock and the material is considered to mysteria la were identicated to the protection. The tailings solids that 9201 concentrations above the adored ecological screening
Nome         Nome <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>levels (refer to HQ presented in Section 6.5.1), indicating that there is the potential for direct toxicity effects to ecological receptors (wildlife) if direct contact with tailings solids occurs.</td></th<>									levels (refer to HQ presented in Section 6.5.1), indicating that there is the potential for direct toxicity effects to ecological receptors (wildlife) if direct contact with tailings solids occurs.
Number         Number<									However, contact is unlikley based on the incorperated capping material and likelihood is marked as rare. This translate to a low risk to human health and livestock.
Notes         Control         Control         Active or chonic effects on health         Active or chonic effects on health         Sight         Rate         Comp         Inter-modeling is recommended. The pointial equaport for goings yead anotation of uncritical function of the relation of an inter- tice of the relation of the rela									Internittent ponding may occur in both the IPTSFs for the Partial Backfill Closure Strategy. Therefore, there is the potential for an aquatic habitat to establish in the pond overtime. However,
Proposition of failings harry is         Orchead flow of driving and comparent of analysis and comparent and ananaysis and comparent of analysis and comparent of analys			Livestock (cattle)	Acute or chronic effects on health	-	Slight	Rare	Low	
Repeating of fulling-draw plan         Restructional users         Acade or choice effects on health         Home plan         Rest         Image         Rest         Image         Rest         Image         Rest         Image         Rest         Image         Rest         Res <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Repeating of fulling-draw plan         Restructional users         Acade or choice effects on health         Home plan         Rest         Image         Rest         Image         Rest         Image         Rest         Image         Rest         Image         Rest         Res <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
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Dependence of tailings there is a force of dorise and source of the force of tailings there is a force of tailing there									
Some and Decoret OF 1975 Calling or of prival Calling or of pr			Recreational users	Acute or chronic effects on health	1	Minor	Rare	Low	
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Collage of pixall     and subcupert overlaal for s' doruging tir val collagie     and subcupert overlaal for subcupert overla			Aquatic ecosystems <sup>2</sup>			Minor	Rare	Low	
6d/owing pit wall collapse     Native terrestrial flora and mail     Solidering and/or entrapment of receptors     Native terrestrial flora and mail     Solidering and/or entrapment of receptors       Livestock (cattle)     Destruction of planting     Maser     Aare     Lower       Recreational users     Destructions of planting     Maser     Rare     Lower	Collapse of pit wall	and subsequent overland flow to		·····					inspections of pit wall stability/slope failure). As a result, the risk to aquatic ecosystems and native terrestrial flora and fauna is assessed to be low on the assumption that minor consequences
Native terrotatial flora and fanar Native terrotatial flora and fanar Netrotation of habitat Livestock (cattle) Destruction of grazing land Recreational users Recreational users Destruction of recreational trease' applicatual teres	(Soil/rock)		6						are only expected under exceptional circumstances. The risk of potential destruction of grazing land and recreational areas is also considered low.
receptor     Postruccion of Pathiat     Minor     Rare     Low       Livestock (cattle)     Destruccion of grazing land     Minor     Rare     Low       Recreational users     Destruction of recreational trease/ applicature tees     Manor     Rare     Low		tonowing pit wan compac							
Destination of Durability     Image: Comparison of Durability       Livestock (catifie)     Destingtion of grantpillation       Recreational users     Destingtion of presentational users       Recreational users     Destingtion of presentational users			Native terrestrial flora and fauna <sup>3</sup>		1	Minor	Rare	Low	
Recreational users Destruction of recreational areas/ applificant rites Anno Anno Anno Anno Anno Anno Anno Ann									
Recreational users Destruction of recreational areas/ applificant rites Anno Anno Anno Anno Anno Anno Anno Ann			Livestock (cattle)		1	Minor	Rare	Low	
				Destruction of recreational areas/	1	Minor	Rare	Low	
	Notes:			significant sites					

 Notes:
 1
 Nearby residents refers to residents and visitors to the town of Newman, as well as Aboriginal residents and visitors to the Pampajinya and Jigalong Communities.

 1
 Aquatic ecosystems includes surface watehodies and watercourses, and their associated aquatic flora and fauna.

 1
 Native terrestrial fauna includes ground-Aweling mannals, repelies, and Indix.

 2
 Pet overtopping may occur as a result of an extreme storm event, collapse of pit wall (if a supernatant pond is present in the TSF), or human failure.

AEP = annual exceedance probability; DMIRS = Department of Mines, Industry Regulation and Safety; ANCOLD = Australian National Committee on Large Dams.