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Published on: 10 March 2015

Statement No: 999

RECOMMENDED ENVIRONMENTAL CONDITIONS**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(*Environmental Protection Act 1986*)****KOODAIDERI IRON ORE MINE AND INFRASTRUCTURE PROJECT**

Proposal: The proposal is to construct and operate an open cut iron ore mine and associated infrastructure for the extraction, processing and transport of iron ore.

Proponent: Mount Bruce Mining Pty Limited
Australian Company Number 008 714 010

Proponent Address: Mount Bruce Mining Pty Limited
152-158 St Georges Terrace
PERTH WA 6000

Assessment Number: 1933

Report of the Environmental Protection Authority Number: 1533

Pursuant to section 45 of the *Environmental Protection Act 1986* it has been agreed that the proposal described and documented in Table 2 of Schedule 1 may be implemented and that the implementation of the proposal is subject to the following implementation conditions and procedures:

Note: Words and expressions used in this Statement shall have the same respective meanings as in the Act or as provided for in Schedule 1 of this Statement.

1 Proposal Implementation

1-1 When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.

2 Contact Details

- 2-1 The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

3 Time Limit for Proposal Implementation

- 3-1 The proponent shall not commence implementation of the proposal after the expiration of five (5) years from the date of this Statement, and any commencement, within this five (5) year period, must be substantial.
- 3-2 Any commencement of implementation of the proposal, within five (5) years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this Statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.
- 4-2 The Compliance Assessment Plan shall indicate:
- (1) the frequency of compliance reporting;
 - (2) the approach and timing of compliance assessments;
 - (3) the retention of compliance assessments;
 - (4) the method of reporting of potential non-compliances and corrective actions taken;
 - (5) the table of contents of Compliance Assessment Reports; and
 - (6) public availability of Compliance Assessment Reports.
- 4-3 After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.

- 4-4 The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.
- 4-5 The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.
- 4-6 The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as agreed in writing by the CEO.

The Compliance Assessment Report shall:

- (1) be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf;
- (2) include a statement as to whether the proponent has complied with the conditions;
- (3) identify all potential non-compliances and describe corrective and preventative actions taken;
- (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and
- (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.

5 Public Availability of Data

- 5-1 Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all validated environmental data (including sampling design, sampling methodologies, empirical data and derived information products (e.g. maps)) relevant to the assessment of this proposal and implementation of this Statement.
- 5-2 If any data referred to in condition 5-1 contains particulars of:
 - (1) a secret formula or process; or
 - (2) confidential commercially sensitive information;

the proponent may submit a request for approval from the CEO to not make these data publically available. In making such a request the proponent shall provide the CEO with an explanation and reasons why the data should not be made publically available.

6 Terrestrial Fauna (Pilbara Leaf-nosed Bat) and Subterranean Fauna (Troglofauna) Exclusion Zones

6-1 There shall be no ground disturbing activity within the following exclusion areas:

- (1) K75W Adit/cave System Exclusion Zone, defined by a 100 metres buffer around the predicted lateral extent of the K75W Adit/cave System. The current K75W Adit/cave System Exclusion Zone is delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- (2) Koodaideri Spring Gorge Exclusion Zone, as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- (3) KBH12 Exclusion Zone, as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

6-2 Ground disturbing activity shall be limited to linear infrastructure, to a maximum of 5% of the area of the K58W Pilbara Leaf-nosed Bat Exclusion Zone as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2, to the satisfaction of the CEO.

6-3 There shall be no excavation or placement of waste dumps and tailings facilities within the following exclusion areas:

- (1) K58W Troglofauna Exclusion Zone as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- (2) K75W Troglofauna Exclusion Zone as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

6-4 Placement of stockpiles, run of mine pads and linear infrastructure shall be limited to a maximum of 10% of the area of the K58W Troglofauna Exclusion Zone and 10% of the area of the K75W Troglofauna Exclusion Zone, to the satisfaction of the CEO.

6-5 There shall be no excavation or placement of waste dumps, stockpiles and tailings facilities within the K38W Troglofauna Exclusion Zone as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

7 Terrestrial Fauna – Pilbara Leaf-nosed Bat

- 7-1 The proponent shall ensure that the proposal is implemented in a manner that maintains the K75W Adit/cave System colony of the Pilbara Leaf-nosed Bat (*Rhinonicteris aurantia*).
- 7-2 Prior to the commencement of mining of the K75W pit the proponent shall prepare and submit a K75W Adit/cave System Structural Report confirming the lateral extent of the K75W Adit/cave System, to the requirements of the CEO, on advice from the Department of Parks and Wildlife.
- 7-3 The K75W Adit/cave System Structural Report required by condition 7-2, shall include:
- (1) geophysical data, or other evidence acceptable to the CEO, of the lateral extent of the main chamber and other lateral passages and side chambers of the K75W Adit/cave System; and
 - (2) advice from an appropriate technical specialist (or specialists) on the most likely lateral extent of the K75W Adit/cave System.
- 7-4 Prior to ground-disturbing activities within the Mine/Plant Area Development Envelope, the proponent shall prepare and submit a Pilbara Leaf-nosed Bat Management Plan to the requirements of the CEO, on advice from the Department of Parks and Wildlife.
- 7-5 The objectives of the Pilbara Leaf-nosed Bat Management Plan required by condition 7-4 are to:
- (1) ensure that the bat colony continues to use the important foraging locations of Koodaideri Spring Gorge and the gorge containing the KBH12 site, as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2; and
 - (2) ensure that the population of the Pilbara Leaf-nosed Bat colony as defined in condition 7-6(1) remains in the K75W Adit/cave System as defined by condition 7-2.
- 7-6 The Pilbara Leaf-nosed Bat Management Plan shall include:
- (1) a baseline survey utilising ultrasonic bat call detection methods to determine the population size of the Pilbara Leaf-nosed Bat colony which roosts within the K75W adit/cave system and delineate the baseline distribution of bat movement and foraging activity between the K75W Adit/cave System and the Koodaideri Spring Gorge and the gorge containing the KBH12 site;

- (2) protocols and procedures to monitor activity levels of Pilbara Leaf-nosed Bats foraging at the Koodaideri Spring Gorge and the gorge containing the KBH12 site;
- (3) protocols and procedures to monitor the Pilbara Leaf-nosed Bat movement and foraging activity between K75W adit/cave system and the Koodaideri Spring Gorge during the development of Pit K58W;
- (4) protocols and procedures to monitor Pilbara Leaf-nosed Bat behaviour as the proposal's activities move to within 400 metres of the K75W Adit/cave System Exclusion Zone required by condition 6-1 during the development of Pit K75W;
- (5) specific management protocols to enable the Pilbara Leaf-nosed Bat to adapt to impacts of construction and operation including a schedule of clearing of bat foraging habitat within the K58W mine pit and K75W mine pit taking into account the requirements of conditions 7-6(1), 7-6(2), 7-6(3) and 7-6(4);
- (6) criteria to trigger implementation of management or contingency measures to prevent disturbance to the Pilbara Leaf-nosed Bat colony within the K75W Adit/cave System during drilling and blasting required for the development of Pit K75W;
- (7) criteria to trigger implementation of management or contingency measures to respond to a reduction of Pilbara Leaf-nosed Bat foraging calls at the gorge containing the KBH12 site and the Koodaideri Spring Gorge to levels below baseline during mining of Pits K75W and K58W; and
- (8) management and or contingency measures to be implemented in the event that the trigger criteria required by condition 7-6(6) and/or condition 7-6(7) have been reached.

7-7 In the event that monitoring carried out under the Pilbara Leaf-nosed Bat Management Plan required by conditions 7-6(1), 7-6(2), 7-6(3) and 7-6(4) indicates trigger criteria required by condition 7-6(6) or 7-6(7) have been reached the proponent shall:

- (1) investigate to determine the likely cause(s) of the criteria required by condition 7-6(6) and/or 7-6(7) being exceeded;
- (2) if the exceedance is likely to be the result of activities undertaken in implementing the proposal, implement management and/or contingency measures required by condition 7-6(8) and continue implementation until criteria required by condition 7-6(6) and/or 7-6(7) are being met, or until otherwise agreed by the CEO; and

- (3) provide a report that describes the investigation required by condition 7-7(1) and measures required by condition 7-7(2) to the CEO within 21 days of identification that criteria required by condition 7-6(6) and/or 7-6(7) has been exceeded.
- 7-8 After receipt of written advice from the CEO that the Pilbara Leaf-nosed Bat Management Plan satisfies conditions 7-5 and 7-6, the proponent shall implement the Pilbara Leaf-nosed Bat Management Plan.
- 7-9 Revisions to the Pilbara Leaf-nosed Bat Management Plan may be approved by the CEO.
- 7-10 The proponent shall implement approved revisions of the Pilbara Leaf-nosed Bat Management Plan required by condition 7-4.
- 7-11 The proponent shall report to the CEO on the outcomes of the implementation of the Pilbara Leaf-nosed Bat Management Plan. The report to the CEO shall include:
 - (1) the activity levels of Pilbara Leaf-nosed Bats using the Koodaideri Spring Gorge and the gorge containing the KBH12 site;
 - (2) an assessment of the stability of the K75W Adit/cave System;
 - (3) an assessment of the baseline and current population size of the K75W Adit/cave System Pilbara Leaf-nosed Bat colony;
 - (4) evidence that the population size of the K75W Adit/cave System colony of Pilbara Leaf-nosed Bat has been maintained within natural variation; and
 - (5) outcomes of the monitoring undertaken in accordance with the Pilbara Leaf-nosed Bat Management Plan to assess behaviour and movement of the Pilbara Leaf-nosed Bat as the proposal's activities move within 400 metres of the K75W Adit/cave System Exclusion Zone.

8 Terrestrial Fauna – Northern Quoll Management Plan

- 8-1 Prior to the commencement of ground-disturbing activities within 50 metres of Northern Quoll (*Dasyurus hallucatus*) foraging and denning habitat within the Mine/Plant Area Development Envelope, Southern Infrastructure Corridor Development Envelope and the Western Rail Corridor Development Envelope, the proponent shall prepare and submit a Northern Quoll Management Plan in consultation with the Department of Parks and Wildlife, to the requirements of the CEO to demonstrate that condition 8-2 has been met.

- 8-2 The objective of the Northern Quoll Management Plan is to ensure that the proposal is carried out in a manner that minimises the direct and indirect impacts to the Northern Quoll.
- 8-3 The Northern Quoll Management Plan shall include:
- (1) census data for the Northern Quoll population within the Mine/Plant Area Development Envelope, Southern Infrastructure Corridor Development Envelope and the Western Rail Corridor Development Envelope, as delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2, based on available survey information;
 - (2) spatial imagery detailing Northern Quoll foraging and denning habitat within the Mine/Plant Area Development Envelope, Southern Infrastructure Corridor Development Envelope and the Western Rail Corridor Development Envelope;
 - (3) detailed management measures to minimise direct and indirect loss of the habitat mapped pursuant to condition 8-3(2);
 - (4) protocols and procedures to monitor Northern Quoll presence and abundance adjacent to the mine pit within the Mine/Plant Area Development Envelope identified by condition 8-3(2) during construction and operation; and
 - (5) detailed contingency responses, including modified operational procedures or translocation of animals out of impact zones, if monitoring required by condition 8-3(4) show a decrease in Northern Quoll numbers attributable to the proposal, to ensure condition 8-2 is met.
- 8-4 Prior to the commencement of ground-disturbing activities within 50 metres of the mapped Northern quoll foraging and denning habitat required by condition 8-3(2), unless otherwise agreed by the CEO, the proponent shall implement the approved plan required by condition 8-1.
- 8-5 Revisions to the Northern Quoll Management Plan may be approved by the CEO.
- 8-6 The proponent shall implement approved revisions of the Northern Quoll Management Plan required by condition 8-5.

9 Flora – Hamersley Lepidium (*Lepidium catapycnon*)

- 9-1 The proponent shall ensure that there is no disturbance within the Hamersley Lepidium (*Lepidium catapycnon*) buffers within the Mine/Plant Area Development Envelope, as delineated in Figure 3 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

10 Flora – Priority 1 *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey and Conservation and Research Plan

- 10-1 The proponent shall ensure that ground-disturbing activities do not affect the viability of *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) or its subsequent revised names, through the implementation of conditions 10-2 to 10-12.
- 10-2 The proponent shall not disturb any individuals of *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) or its subsequent revised names prior to:
- (1) preparing and submitting a *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan to the CEO; and
 - (2) receiving written notice from the CEO, having consulted Department of Parks and Wildlife, that the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey meets the requirements of condition 10-5.
- 10-3 The objective of the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan is to clarify the conservation status of *Sauropus* sp. Koodaideri detritals.
- 10-4 The proponent shall ensure that there is no disturbance within the *Sauropus* sp. Koodaideri detritals buffers within the Mine/Plant Area Development Envelope, as delineated in Figure 4 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- 10-5 The *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan shall:
- (1) include a Regional Survey to accurately detect and document the distribution and population size of the species; and
 - (2) detail and describe an approach to spatially defining the population and providing a count of the total number of individuals located during the regional survey.

- 10-6 The proponent shall implement the approved *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan required by condition 10-2(1).
- 10-7 Revisions to the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan may be approved by the CEO.
- 10-8 The proponent shall report to the CEO the outcomes of the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey as required by the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Regional Survey Plan or any revisions thereof approved by the CEO within 6 months of completion of the survey.
- 10-9 In the event that *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) or its subsequent revised names is declared Rare Flora under the *Wildlife Conservation Act 1950*, the proponent shall, within six months or as agreed in writing from the CEO:
- (1) prepare and submit a *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Conservation and Research Plan to the CEO; and
 - (2) seek written approval from the CEO, on the advice of Department of Parks and Wildlife, that the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Conservation and Research Plan meets the requirements of condition 10-10.
- 10-10 The *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Conservation and Research Plan identified in condition 10-9(1) shall include:
- (1) details of suitable conservation measures such as seed collection and germplasm storage, seeding or translocation trials to be undertaken in suitable habitat, or other suitable measures, for conservation of the species;
 - (2) details on research to be undertaken into the habitat, biology and conservation of the species;
 - (3) timeframes and responsibilities for the implementation of proposed conservation measures; and
 - (4) a monitoring program and criteria for determining efficacy of the proposed conservation measures.
- 10-11 The proponent shall implement the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Conservation and Research Plan.

- 10-12 The proponent shall submit a report to the CEO documenting the results of the *Sauropus* sp. Koodaideri detritals (J. Naaykens and J. Hurter JH 11213) Conservation and Research Plan, identifying the success of the conservation measures required by condition 10-10(1) and the findings of the research required by 10-10(2) within 6 months of completion of the measures set out in the approved plan.

11 Flora and Hydrological Processes – Koodaideri Spring Adaptive Management Plan

- 11-1 The proponent shall ensure that there are no adverse changes to the hydrology within the Koodaideri Spring Gorge Exclusion Zone, as delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2 attributable to the proposal.
- 11-2 The proponent shall implement the Koodaideri Spring Adaptive Management Plan prepared as part of Assessment 1933, dated May 2014 and continue implementation until otherwise agreed by the CEO.
- 11-3 The proponent may review and revise the Koodaideri Spring Adaptive Management Plan to the requirements of the CEO.
- 11-4 The proponent shall review and revise the Koodaideri Spring Adaptive Management Plan as and when directed by the CEO.
- 11-5 The proponent shall implement the latest approved revision of the Koodaideri Spring Adaptive Management Plan.

12 Human Health – Western Rail Corridor Asbestos Management Plan

- 12-1 The proponent shall ensure that the proposal is implemented in a manner so that the design and construction of the proposal in the portion of the Western Rail Corridor (WRC) Development Envelope that intersects the Wittenoom Asbestos Management Area (WAMA), as delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2, does not increase the spread of asbestos in the environment, resulting in adverse effects on public health.
- 12-2 Prior to commencement of ground-disturbing activities within the WAMA, the proponent shall prepare and submit an Asbestos Baseline Survey Plan, in consultation with the Department of Health, to the CEO. The Asbestos Baseline Survey Plan shall:

- (1) when implemented, determine the concentration of airborne asbestos fibres, and the concentration of asbestos fibres in drainage line and adjacent landform sediments at specified locations within and outside the portion of the WRC Development Envelope contained within the WAMA;
 - (2) detail the proposed methodology for the Baseline Survey in accordance with the Department of Health's *Public Health Risk Management of Asbestos Minerals Associated with Mining* (2013) or its revisions;
 - (3) identify and spatially define the proposed monitoring sites, including control sites and rationale for the location of the sites; and
 - (4) detail the proposed frequency and timing of monitoring.
- 12-3 After receiving notice in writing from the CEO that the Asbestos Baseline Survey Plan satisfies the requirements of condition 12-2, the proponent shall undertake the Asbestos Baseline Survey in accordance with the Asbestos Baseline Survey Plan.
- 12-4 On completion of the Asbestos Baseline Survey required by condition 12-2, the proponent shall report to the CEO on the following:
- (1) completion of the Asbestos Baseline Survey in accordance with the Asbestos Baseline Survey Plan; and
 - (2) the results of the Asbestos Baseline Survey.
- 12-5 After receiving notice in writing from the CEO that the Asbestos Baseline Survey was undertaken in accordance with the Asbestos Baseline Survey Plan and prior to commencement of ground-disturbing activities within the WAMA, the proponent shall prepare and submit an Asbestos Management Plan, in consultation with the Department of Health and the Department of Environment Regulation, to the CEO. The Asbestos Management Plan shall:
- (1) specify management actions that will be implemented to ensure the management objective in condition 12-1 is achieved;
 - (2) provide a protocol or procedure for the review of the Asbestos Management Plan to ensure that the Asbestos Management Plan is meeting the objective specified in condition 12-1;
 - (3) provide a description of monitoring and control sites, including physical attributes, geographic locations, details of the baseline condition of what is to be monitored and rationale for the location of the sites;

- (4) provide information on the key indicators of asbestos in the environment that will be monitored; airborne asbestos fibres and asbestos fibres in drainage line and adjacent landform sediments;
- (5) describe protocols and procedures to monitor for airborne and sediment asbestos fibres presence and concentration at monitoring and control sites within and outside the WRC Development Envelope;
- (6) include the monitoring methodologies consistent with the Department of Health's *Public Health Risk Management of Asbestos Minerals Associated with Mining* (2013) or its revisions;
- (7) attach the methodology and results of the Asbestos baseline survey;
- (8) specify criteria (trigger criteria) that will trigger the implementation of management and/or contingency actions to prevent the increased spread of asbestos fibres attributable to the design and construction of the proposal within the portion of the Western Rail Corridor (WRC) Development Envelope that intersects the WAMA; and
- (9) specify management and/or contingency actions to be implemented in the event that the trigger criteria identified required by condition 12-5(8) have been reached.

12-6 After receiving notice in writing from the CEO that the Asbestos Management Plan satisfies the requirements of condition 12-5, the proponent shall:

- (1) implement the management actions and monitor in accordance with the requirements of the Asbestos Management Plan; and
- (2) implement the management actions and monitor in accordance with the requirements of the Asbestos Management Plan until the CEO has confirmed by notice in writing that it has been demonstrated that the objective in condition 12-1 is being and will continue to be met and therefore the implementation of the management actions and monitoring is no longer required.

12-7 In the event that the monitoring specified in the Asbestos Management Plan indicates that the trigger criteria specified in the Asbestos Management Plan have been reached the proponent shall:

- (1) immediately implement the management and/or contingency actions specified in the Asbestos Management Plan and continue implementation of those actions until the trigger criteria are being met, or until the CEO has confirmed by notice in writing that it has been demonstrated that the objective in condition 12-1 is being and will continue to be met and implementation of the management and/or contingency actions is no longer required;
- (2) investigate to determine the likely cause of the trigger criteria being reached and to identify any additional contingency actions required to prevent the trigger criteria being reached in the future; and
- (3) provide a report to the CEO within 30 days of an event, referred to in condition 12-7, occurring. The report shall include:
 - (a) details of management and/or contingency actions implemented; and
 - (b) the findings of the investigation required by condition 12-7(2).

12-8 The proponent may review and revise the Asbestos Management Plan.

12-9 The proponent shall review and revise the Asbestos Management Plan as and when directed by the CEO.

12-10 The proponent shall implement the latest revision of the Asbestos Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 12-5.

13 Rehabilitation and Closure

13-1 The proponent shall ensure that the mine is closed, decommissioned and rehabilitated in an ecologically sustainable manner, consistent with agreed post-mining outcomes and land uses, and without unacceptable liability to the State of Western Australia.

13-2 Prior to the commencement of operations the proponent shall prepare and submit a revised Mine Closure Plan to the CEO. The Mine Closure Plan shall:

- (1) when implemented, manage the implementation of the proposal to meet the requirements of condition 13-1;
- (2) be prepared in accordance with the *Guidelines for Preparing Mine Closure Plans, June 2011* (Department of Mines and Petroleum and Environmental Protection Authority) or its revisions;
- (3) detail the proposed frequency and timing of revisions; and

- (4) be prepared in consultation with the Department of Parks and Wildlife and be to the requirements of the CEO on advice of the Department of Mines and Petroleum.
- 13-3 After receiving notice in writing from the CEO that the Mine Closure Plan satisfies the requirements of condition 13-2, the proponent shall:
 - (1) implement the Mine Closure Plan; and
 - (2) continue to implement the Mine Closure Plan until the CEO has confirmed by notice in writing that it has been demonstrated that the objective in condition 13-1 has been met and therefore the implementation of the management actions and monitoring is no longer required.
- 13-4 The proponent may review and revise the Closure Management Plan.
- 13-5 The proponent shall review and revise the Closure Management Plan at intervals not exceeding three years, or as otherwise specified by the CEO.
- 13-6 The proponent shall implement the latest revision of the Mine Closure Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 13-2.

14 Offsets

- 14-1 In view of the significant residual impacts and risks as a result of implementation of the proposal, the proponent shall contribute funds for the clearing of 'good to excellent' condition native vegetation, including the loss of habitat for conservation significant species, and calculated pursuant to condition 14-2. This funding shall be provided to a government-established conservation offset fund or an alternative offset arrangement providing an equivalent outcome as determined by the Minister.
- 14-2 The proponent's contribution to the strategic regional conservation initiative identified in condition 14-1 shall be paid biennially, the first payment due in the second year following the commencement of ground disturbance. The amount of funding will be made on the following basis and in accordance with the approved Impact Reconciliation Procedure required by condition 14-3:
 - (1) \$1500 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation cleared within the Mine/Plant Area Development Envelope delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2;

- (2) \$3000 AUD (excluding GST) per hectare of all Pilbara Leaf-nosed Bat foraging habitat cleared within the K75W and K58W mine pits delineated in Figure 5 of Schedule 1 and defined by the geographic coordinates in Schedule 2;
 - (3) \$1500 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation permanently cleared within the Rail Corridor Development Envelope and the Southern Infrastructure Corridor Development Envelope within the Fortescue IBRA subregion delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2; and
 - (4) \$750 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation permanently cleared within the Rail Corridor Development Envelope within the Hamersley IBRA subregion delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2.
- 14-3 Prior to ground-disturbing activities the proponent shall prepare and submit an Impact Reconciliation Procedure to the satisfaction of the CEO.
- 14-4 The Impact Reconciliation Procedure required pursuant to condition 14-3 shall:
- (1) include a methodology to identify clearing of 'good to excellent' condition native vegetation in the Pilbara bioregion;
 - (2) include a methodology for calculating the amount of clearing undertaken during each biennial time period;
 - (3) include a methodology for calculating the amount of temporary vegetation clearing for the railway and infrastructure corridors that has commenced rehabilitation within twelve months of final commissioning of the railway line or completion of infrastructure installation;
 - (4) require the proponent to submit spatial data identifying areas of 'good to excellent' condition native vegetation that has been cleared;
 - (5) require the proponent to submit spatial data identifying areas of all Pilbara Leaf-nosed Bat foraging habitat within the K75W and K58W mine pits prior to and after clearing;
 - (6) state dates for the commencement of the biennial time period and for the submission of results of the Impact Reconciliation Procedure, to the satisfaction of the CEO, and;

- (7) identify that any areas cleared within the railway and infrastructure corridors delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2, in the Pilbara bioregion that have not commenced rehabilitation within 12 months of final commissioning of the railway line or completion of infrastructure installation and must be included in the area subject to condition 14-2.
- 14-5 The real value of contributions described in condition 14-2 will be maintained through indexation to the Perth Consumer Price Index (CPI), with the first adjustment to be applied to the first contribution.
- 14-6 Should the proponent be required to provide an offset under a condition of approval of the Australian Government under the *Environment Protection and Biodiversity Conservation Act 1999*, the proponent may write to the CEO seeking a reduction in the funding required under condition 14-1.

[Signed 10 March 2015]

ALBERT JACOB MLA
MINISTER FOR ENVIRONMENT; HERITAGE

Table 1: Summary of the Proposal

Proposal Title	Koodaideri Iron Ore Mine and Infrastructure Project
Short Description	The proposal is to construct and operate an open cut iron ore mine and associated infrastructure (railway, roads, administration buildings, accommodation camp, water supply infrastructure) for the extraction, processing and transport of iron ore. The proposal is located approximately 110 kilometres (km) west-north-west of Newman in the Pilbara region of Western Australia.

Table 2: Location and authorised extent of physical and operational elements

Column 1	Column 2	Column 3
Physical Element	Location	Authorised Extent
Mine and associated infrastructure	Figure 1 and Figure 2 and geographic coordinates as defined in Schedule 2	Clearing no more than 7,911 ha (including no more than 3,096 ha of the Marillana 2015 Area) within a 19,188 ha Mine/Plant Area Development Envelope.
Railway infrastructure	Figure 1 and geographic coordinates as defined in Schedule 2	Clearing no more than 4,014 ha within a 34,697 ha Western Rail Corridor Development Envelope.
Power, water, communication towers and road infrastructure	Figure 1 and geographic coordinates as defined in Schedule 2	Clearing no more than 246 ha within a 12,003 ha Southern Infrastructure Corridor Development Envelope.
Operational Element	Location	Extent
Dewatering	Figure 2	The K58W mine pit will not be dewatered.
Water supply	Figure 1	Water (up to 18 GL per year) will be supplied by groundwater abstraction during construction; and in-pit sump pumps, Waste Fines Storage Facility decant water and surplus water from Hamersley Iron Pty Limited's Yandicoogina mine during operation.
Surface water discharge		No off-site surface water discharges from mine pits (from dewatering) or from the Waste Fines Storage Facilities will occur, except under emergency circumstances (e.g. major rainfall or flood events).

Table 3: Abbreviations and Definitions

Acronym or Abbreviation	Term
CPI	Consumer Price Index
km	kilometre
ha	hectare
GL/a	gigalitres per annum
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or delegate.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
Biennial	Every two years
GST	Goods and Services Tax
Approved Impact Reconciliation Procedure	The Impact Reconciliation Procedure for which the proponent has received written notification from the CEO that it meets the requirements of condition 14-4
Koodaideri Spring Gorge	Includes Koodaideri Spring, an unnamed creek and pools, its associated fauna habitat and vegetation including vegetation unit D38

Figures (attached)

- Figure 1 Proposal development envelopes (this figure is a representation of the co-ordinates shown in Tables 1-4 of Schedule 2)
- Figure 2 Mine Plant/Area development envelope including Pilbara Leaf-nosed Bat exclusion zones and troglafauna exclusion zones (this figure is a representation of the co-ordinates shown in Tables 5-11 of Schedule 2)
- Figure 3 *Lepidium catapycnon* (Hamersley Lepidium) buffers (this figure is a representation of the co-ordinates shown in Table 12 of Schedule 2)
- Figure 4 *Sauropus* sp. Koodaideri detritals buffers (this figure is a representation of the co-ordinates shown in Table 13 of Schedule 2)
- Figure 5 Pilbara Leaf- nosed Bat foraging habitat to be cleared within K75W and K58W mine pits (this figure is a representation of the co-ordinates shown in Tables 14-15 of Schedule 2)

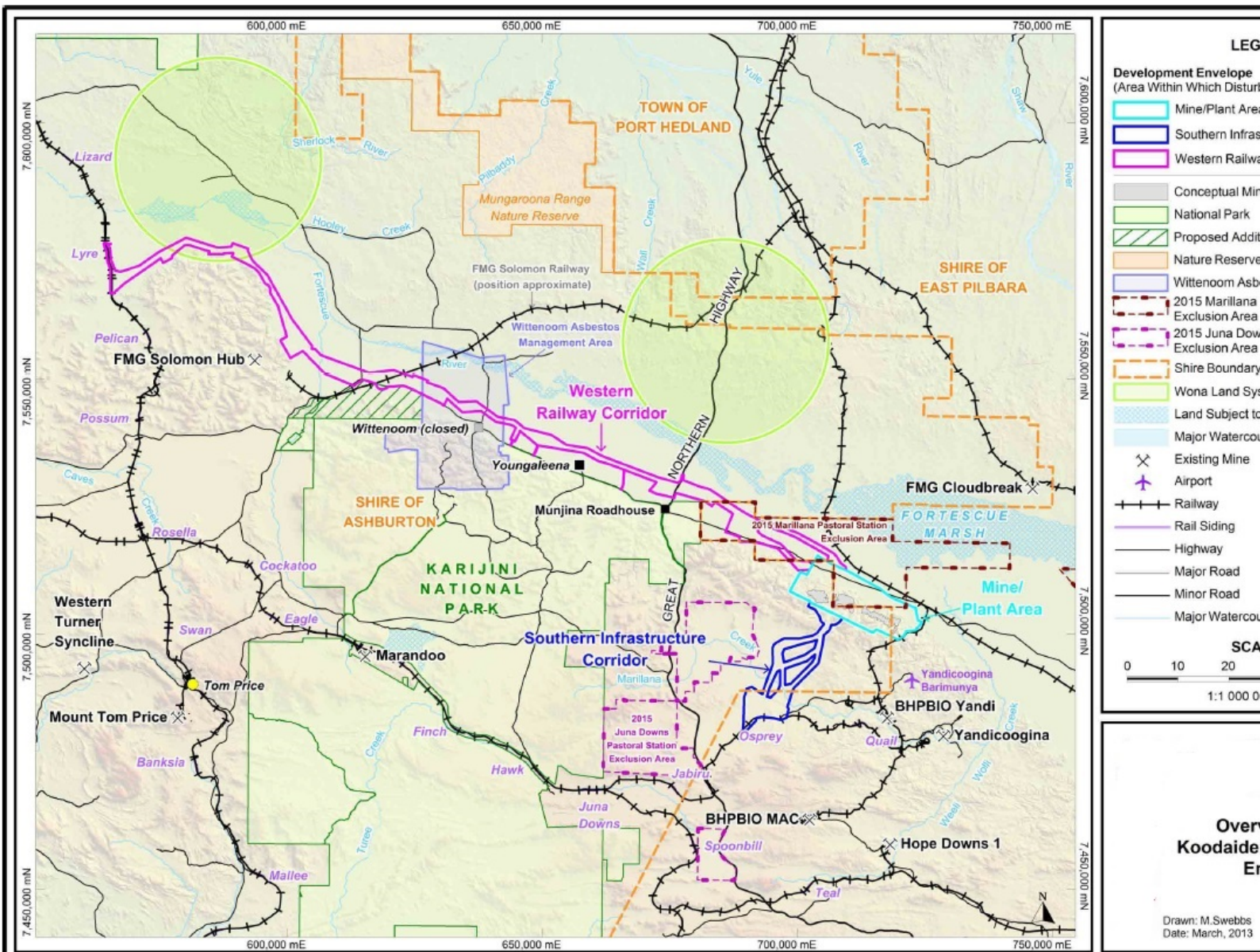


Figure 1: Proposal development envelopes

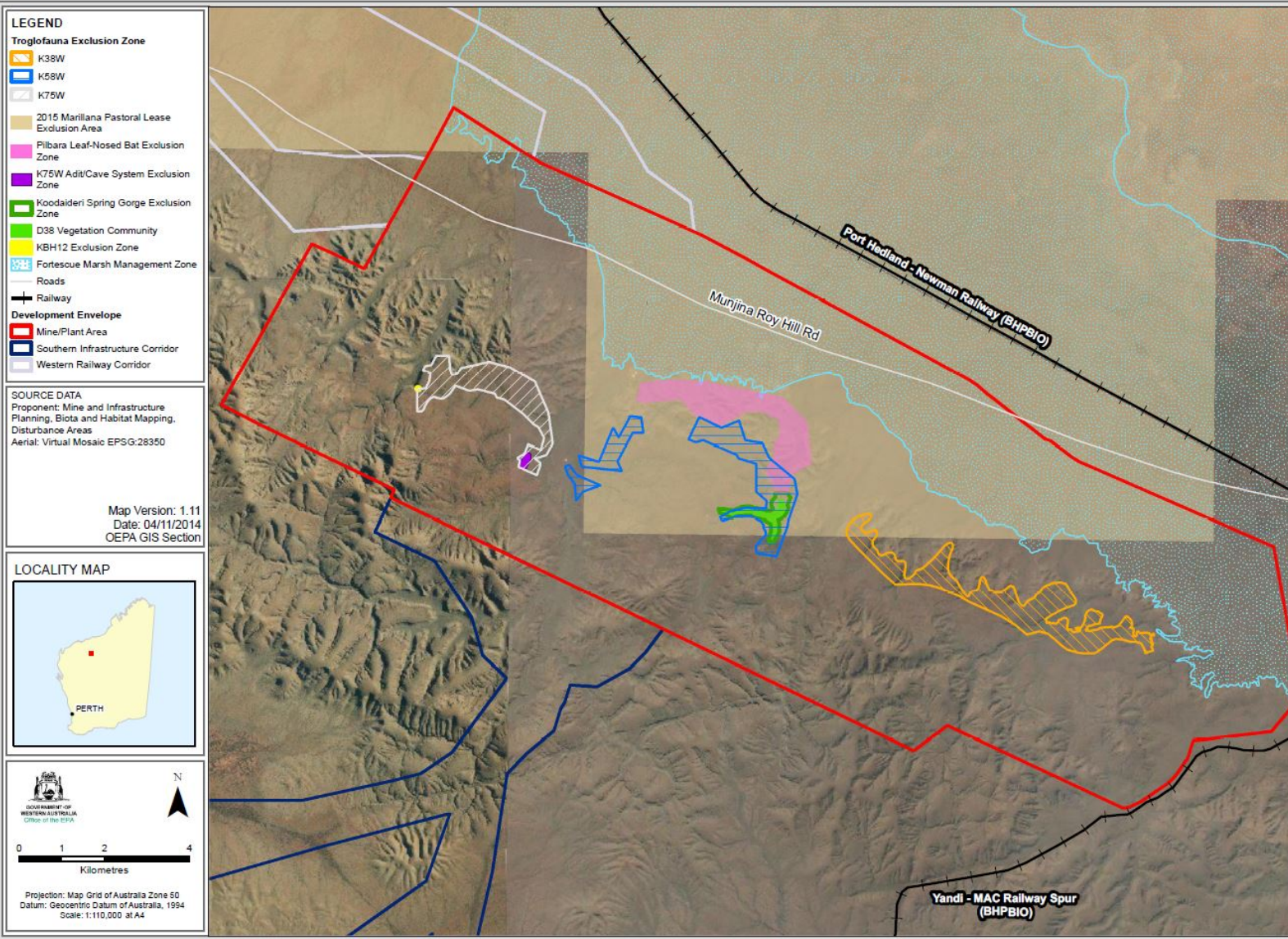


Figure 2: Mine/Plant Area development envelope including exclusion zones for Pilbara Leaf-nosed Bat habitat and troglofauna habitat

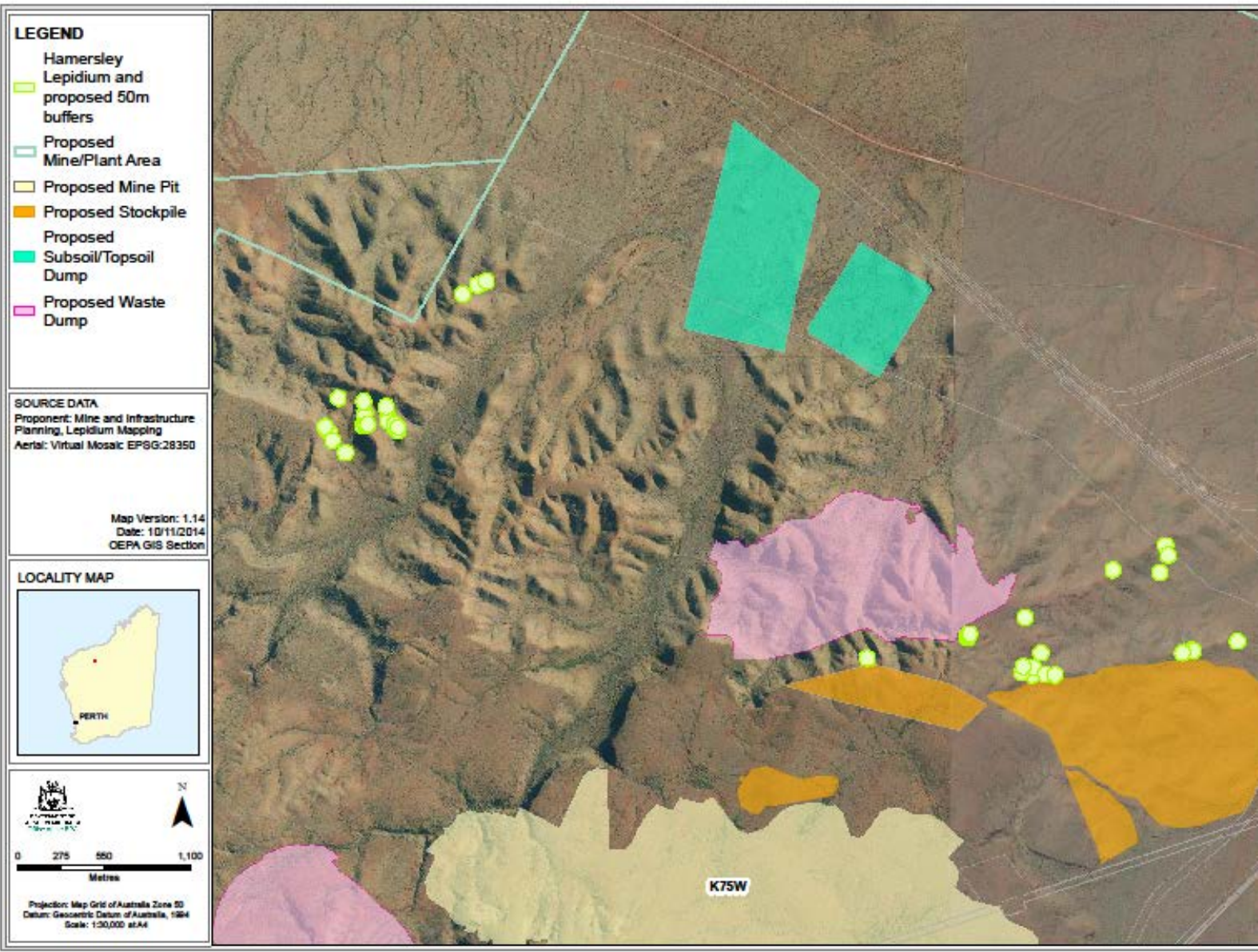


Figure 3: *Lepidium catapycnon* (Hamersley Lepidium) buffers

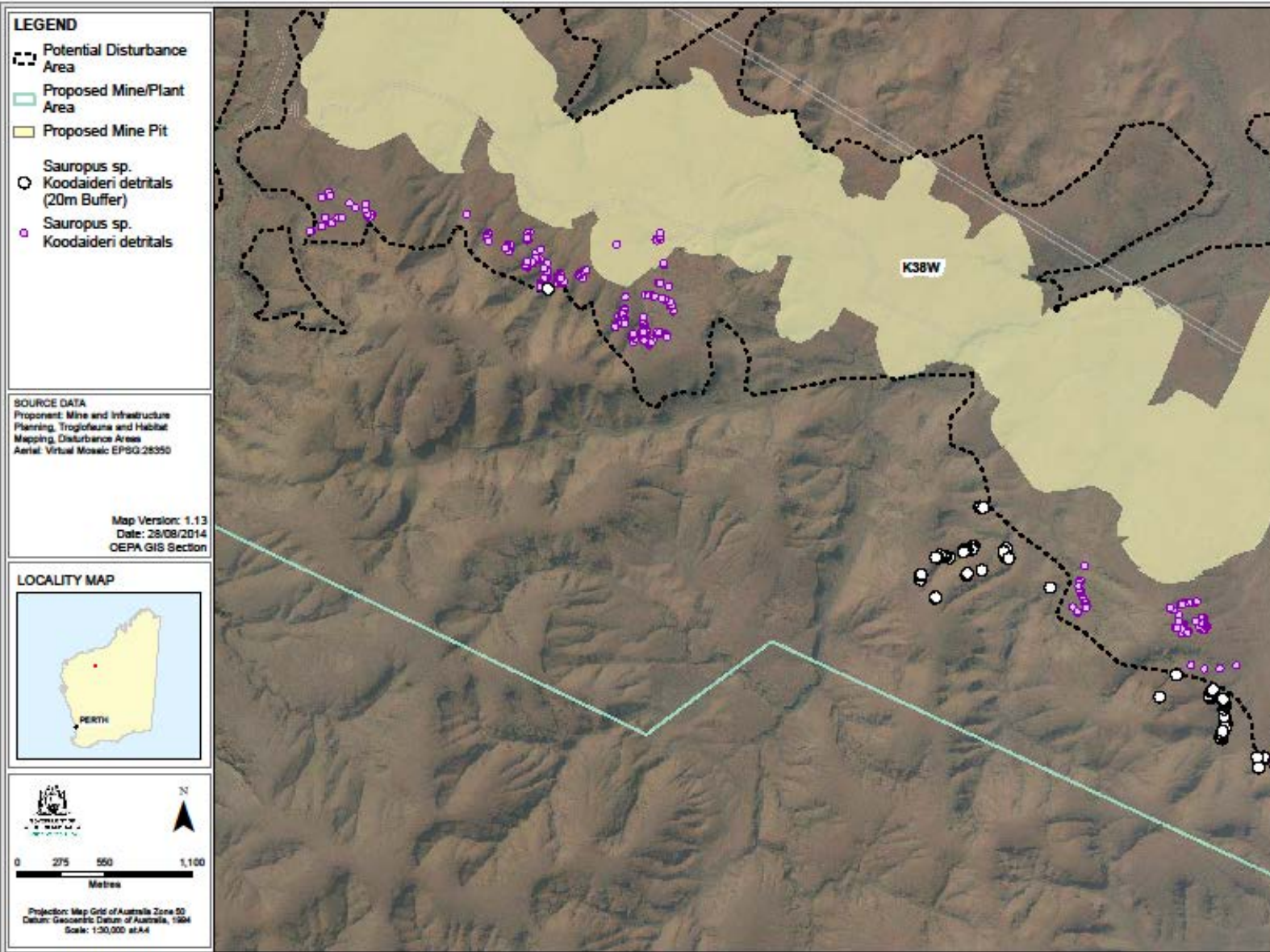


Figure 4: *Sauropus* sp. Koodaideri detritals buffers

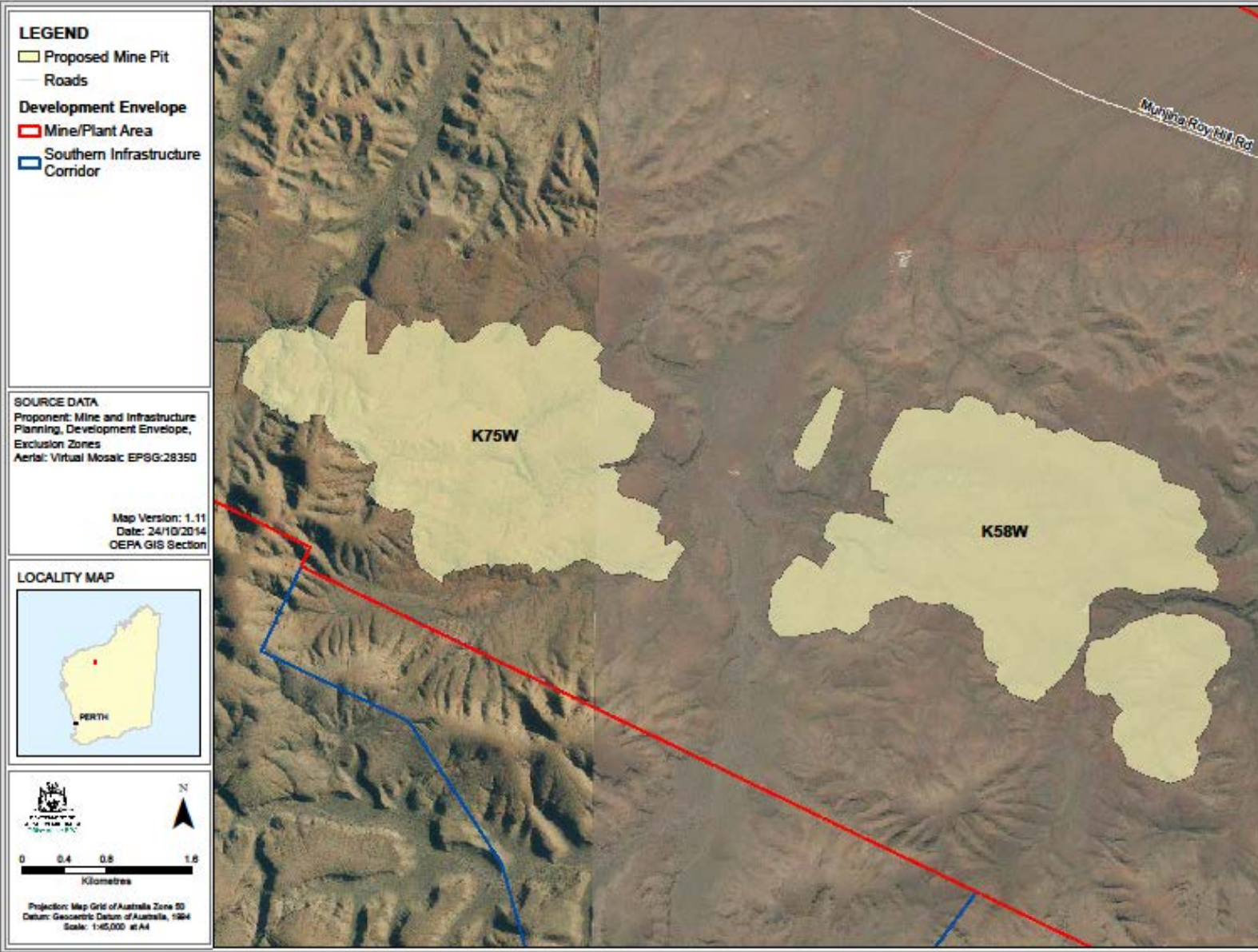


Figure 5: Pilbara Leaf-nosed Bat foraging habitat to be cleared within K75W and K58W mine pits

Schedule 2

All co-ordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geodetic Datum of Australia 1994 (GDA94).

Table 1: Mine/Plant Area Development Envelope Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing	Coordinate number	Easting	Northing
1	698449.99	7508337.71	24	718573.77	7507013.25
2	700574.32	7512111.12	25	723145.28	7505021.89
3	700994.33	7511918.80	26	723567.39	7502658.26
4	701809.18	7511526.04	27	724416.94	7502248.51
5	703238.35	7514068.87	28	723091.01	7500688.55
6	703901.11	7515309.04	29	721259.01	7500468.96
7	705971.69	7513986.97	30	721115.69	7500038.91
8	709738.59	7512315.51	31	721063.57	7499983.72
9	710726.76	7511789.42	32	720906.86	7499737.96
10	711355.62	7511440.53	33	720785.44	7499584.63
11	712969.73	7510567.95	34	720635.52	7499458.85
12	715056.64	7509441.36	35	720027.17	7499046.33
13	715983.22	7508935.79	36	719759.69	7498920.02
14	716173.28	7508809.28	37	719612.74	7498900.30
15	716442.47	7508580.20	38	715489.29	7500830.63
16	716616.56	7508445.82	39	714702.30	7500242.64
17	716755.72	7508337.86	40	707184.20	7503873.46
18	717168.94	7508011.91	41	705956.53	7504466.39
19	717250.26	7507947.95	42	705575.35	7504650.48
20	717439.07	7507800.62	43	702434.11	7506167.53
21	717782.81	7507533.23	44	702520.64	7506346.93
22	717908.00	7507500.89	45	699398.99	7507851.18
23	718396.99	7507121.99	46	698449.99	7508337.71

Table 2: Southern Infrastructure Corridor Development Envelope Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing	Coordinate number	Easting	Northing
1	708818.34	7503084.26	8	706265.41	7500708.59
2	708430.00	7502560.00	9	705619.55	7500177.86
3	708040.00	7502160.00	10	705160.43	7499696.81
4	707270.00	7501730.00	11	704815.45	7497394.93
5	706645.26	7501775.49	12	704091.52	7494199.93
6	706513.77	7501367.53	13	699378.61	7489521.80
7	706421.75	7501217.66	14	699043.68	7488972.36

Coordinate number	Easting	Northing
15	697992.42	7485642.11
16	698234.99	7485278.21
17	697940.89	7484017.84
18	697829.55	7483540.69
19	697154.91	7483227.62
20	696634.60	7483177.67
21	695359.55	7483449.45
22	693097.08	7483657.69
23	692851.25	7483663.99
24	692627.37	7483634.59
25	692002.05	7483514.24
26	691806.78	7482967.47
27	690252.19	7481286.92
28	689285.90	7480530.68
29	689411.88	7482505.30
30	689537.93	7487547.01
31	690042.14	7489269.59
32	691050.47	7489605.65
33	693090.46	7488138.37
34	693540.32	7489698.96
35	695162.63	7494118.40
36	695094.39	7497199.84
37	695331.44	7497783.38
38	695837.43	7498255.93
39	696796.80	7498804.94
40	697319.06	7499074.23
41	698269.40	7499075.81
42	700335.45	7499071.74
43	702483.11	7499541.66
44	703136.52	7499710.66
45	703863.65	7500200.34
46	705132.26	7501909.48
47	705143.60	7501942.17
48	704580.00	7502470.00
49	704330.00	7503350.00
50	703452.83	7504694.25

Coordinate number	Easting	Northing
51	703446.01	7504698.56
52	703439.62	7504702.98
53	702056.84	7505360.65
54	702436.40	7506166.42
55	704829.05	7505010.91
56	705797.96	7504542.97
57	705956.53	7504466.39
58	707184.20	7503873.46
59	708818.34	7503084.26
60	696583.01	7489964.93
61	696559.07	7492871.49
62	696442.64	7492832.96
63	695993.75	7492537.80
64	695561.82	7491630.70
65	694483.29	7489323.92
66	694006.44	7487700.77
67	694681.42	7487481.39
68	696209.42	7489039.55
69	696583.01	7489964.93
70	703405.82	7495934.73
71	701803.52	7494607.23
72	697556.38	7493201.57
73	697582.91	7489981.11
74	698679.76	7490237.11
75	702916.79	7494442.88
76	703292.13	7495182.59
77	703405.82	7495934.73
78	703824.21	7498757.34
79	700909.07	7498005.03
80	697420.35	7497003.09
81	697043.46	7496095.34
82	697352.05	7494380.86
83	701447.44	7495890.64
84	703264.85	7497175.91
85	703824.21	7498757.34

Table 3: Western Railway Corridor Development Envelope Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	709547.62	7512400.25
2	705971.69	7513986.97
3	705774.81	7514112.68
4	706042.66	7515220.12
5	704270.47	7516302.82
6	701235.65	7517990.29
7	699757.48	7518801.31
8	696866.55	7520030.94
9	694891.30	7520671.92
10	692513.31	7521158.24
11	692199.91	7520067.96
12	692743.08	7519497.67
13	693243.20	7519143.41
14	696767.89	7517531.48
15	699747.31	7514329.39
16	701409.64	7514148.99
17	702716.46	7514183.20
18	703251.87	7514094.17
19	703238.35	7514068.87
20	702384.87	7512550.34
21	700171.05	7512405.96
22	696393.08	7516466.30
23	695938.65	7516794.27
24	691644.14	7518020.33
25	690396.59	7518034.58
26	688680.90	7518055.62
27	688692.35	7518993.94
28	685866.07	7519935.51
29	687316.76	7523499.35
30	683802.59	7525833.11
31	683249.38	7525000.07
32	681635.41	7526071.91
33	677393.85	7527256.50
34	676223.11	7527583.46
35	675995.31	7527224.11
36	675814.23	7526625.31
37	675431.35	7526741.09
38	672286.26	7527461.35
39	670974.63	7528043.12

Coordinate number	Easting	Northing
40	672401.89	7529685.01
41	666048.50	7532109.02
42	665898.63	7529214.19
43	665456.32	7528201.80
44	665367.45	7528248.15
45	665799.70	7529237.55
46	665950.30	7532146.48
47	663132.80	7533221.45
48	660914.66	7533887.78
49	658187.05	7535348.56
50	657748.16	7535496.65
51	649179.22	7536872.01
52	648358.54	7534904.11
53	648266.24	7534942.61
54	649077.67	7536888.31
55	645619.66	7539705.25
56	644661.53	7537692.12
57	644258.95	7537883.72
58	643767.02	7536850.11
59	643676.72	7536893.09
60	644168.66	7537926.69
61	643758.58	7538121.87
62	644821.59	7540355.36
63	644448.01	7540659.68
64	643796.40	7540967.27
65	640866.09	7541556.60
66	638012.82	7543622.01
67	634269.41	7543403.60
68	631383.78	7546078.09
69	630721.87	7544710.03
70	630024.94	7545169.61
71	626493.22	7546900.86
72	624654.62	7547857.91
73	624329.77	7547985.57
74	624207.66	7548033.56
75	623760.71	7548209.21
76	623313.75	7548384.86
77	622985.20	7548513.98
78	622624.95	7548620.50

Coordinate number	Easting	Northing
79	621161.62	7548471.95
80	621169.20	7548452.73
81	621038.83	7548436.03
82	620558.28	7548374.48
83	620238.05	7548373.63
84	619917.81	7548372.79
85	619860.19	7548373.50
86	619579.73	7548193.58
87	619327.79	7548072.99
88	618958.19	7547948.39
89	618614.53	7547873.48
90	618349.76	7547899.03
91	618097.31	7547976.36
92	617897.87	7548093.28
93	617693.79	7548265.95
94	617557.51	7548444.33
95	617311.48	7549042.85
96	617311.48	7549042.85
97	616921.76	7549166.49
98	616480.92	7549306.34
99	616053.22	7549441.51
100	615625.53	7549576.68
101	615197.84	7549711.84
102	615090.52	7549730.16
103	614922.50	7549750.59
104	614819.17	7549739.88
105	614726.47	7549716.56
106	614622.17	7549669.40
107	614405.74	7549525.23
108	614189.30	7549381.06
109	613781.78	7549100.38
110	613374.26	7548819.70
111	613069.15	7548609.56
112	607406.50	7550919.32
113	603073.46	7555387.74
114	600664.98	7554008.98
115	598677.72	7557480.41
116	599936.11	7558200.79
117	598222.63	7564074.17
118	596680.22	7566813.34
119	596621.57	7567715.79
120	596320.10	7568255.51

Coordinate number	Easting	Northing
121	595657.26	7568630.00
122	594464.06	7570749.00
123	593651.86	7571536.93
124	592197.49	7572390.52
125	589146.99	7573862.27
126	589458.64	7574548.13
127	589168.95	7574609.37
128	587594.64	7574494.31
129	587544.55	7574312.15
130	584596.70	7574328.16
131	584743.52	7574862.06
132	580833.63	7576088.48
133	580495.89	7576194.42
134	579893.80	7576064.91
135	579629.45	7575829.48
136	577527.42	7574098.47
137	577382.38	7573535.35
138	575673.18	7572645.92
139	575211.56	7573533.00
140	568113.33	7568595.20
141	565954.19	7566655.76
142	565364.37	7566658.31
143	565370.55	7571183.63
144	565088.81	7572211.64
145	564827.58	7572773.46
146	564750.21	7573095.01
147	564600.90	7574884.79
148	564532.52	7575087.38
149	564186.70	7575867.10
150	564093.93	7576174.25
151	564042.45	7576496.84
152	564852.57	7576496.84
153	564871.78	7576376.44
154	565492.52	7576376.44
155	565492.52	7576258.18
156	565345.40	7576258.18
157	565345.40	7576346.68
158	564877.54	7576346.68
159	564938.16	7576146.00
160	565278.75	7575378.07
161	565390.03	7575048.32
162	565542.35	7573222.58

Coordinate number	Easting	Northing
163	565593.23	7573011.10
164	565782.83	7572495.95
165	566360.38	7571084.85
166	567398.21	7570915.05
167	571063.13	7572108.99
168	574851.75	7574751.59
169	580217.63	7577539.35
170	586056.48	7575707.87
171	586388.25	7575635.77
172	586705.67	7575632.54
173	589077.34	7575805.88
174	589304.89	7576475.85
175	592370.86	7575434.57
176	592259.95	7575107.99
177	592929.03	7573665.32
178	593225.39	7573098.17
179	593724.11	7572581.42
180	596116.01	7570261.02
181	601043.39	7561510.50
182	604875.75	7556402.10
183	604871.43	7555754.30
184	605508.08	7555750.01
185	606637.44	7554585.37
186	616036.44	7551140.79
187	620890.68	7551661.78
188	624590.25	7550300.97
189	624728.34	7550676.37
190	627543.91	7549640.72
191	627405.82	7549265.31
192	630738.78	7548039.35
193	633619.83	7545369.11
194	637029.84	7545568.05
195	641276.37	7542494.11
196	644600.00	7541825.67
197	646522.72	7540259.40
198	651746.16	7538971.27
199	654731.66	7536993.62

Coordinate number	Easting	Northing
200	658909.11	7536323.11
201	661635.24	7534863.12
202	672508.84	7530714.52
203	673030.40	7530551.67
204	676737.89	7529516.23
205	677245.67	7530317.28
206	677343.51	7531107.76
207	677745.98	7531103.15
208	677616.38	7530058.03
209	681260.73	7528664.54
210	682205.18	7528508.44
211	683107.28	7528095.51
212	685796.25	7526309.76
213	686071.27	7526072.35
214	688605.12	7524378.14
215	689779.58	7523638.48
216	691513.78	7522713.89
217	692902.96	7521953.87
218	695166.00	7521522.19
219	696461.03	7521116.68
220	697468.28	7520802.73
221	698746.81	7520232.84
222	700110.67	7519690.83
223	700454.70	7519510.35
224	701562.68	7518919.05
225	702138.93	7518595.77
226	704819.88	7517113.84
227	707028.59	7515793.08
228	707175.83	7515642.37
229	707388.84	7515393.36
230	707656.10	7515093.49
231	707823.95	7514899.32
232	708461.19	7513813.70
233	709466.92	7513086.23
234	709547.62	7512400.25

Table 4: Wittenoom Asbestos Management Area Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	630738.78	7548039.35
2	633619.83	7545369.11
3	637029.84	7545568.05
4	641276.37	7542494.11
5	642364.95	7542275.18
6	642360.03	7541735.34
7	642360.31	7541735.23
8	642355.93	7541256.97
9	640866.09	7541556.60
10	638012.82	7543622.01
11	634269.41	7543403.60

Coordinate number	Easting	Northing
12	631383.78	7546078.09
13	630721.87	7544710.03
14	630024.94	7545169.61
15	626493.22	7546900.86
16	626486.25	7546904.49
17	626487.97	7547120.05
18	626506.46	7549435.84
19	626511.12	7550020.61
20	627543.91	7549640.72
21	627405.82	7549265.31
22	630738.78	7548039.35

Table 5: K75W Adit/Cave System Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	705430.82	7506896.93
2	705432.78	7506897.98
3	705480.12	7507009.10
4	705556.42	7507182.74
5	705560.29	7507187.10
6	705567.61	7507194.42
7	705572.66	7507198.80
8	705578.88	7507203.54
9	705584.19	7507207.07
10	705590.14	7507209.98
11	705597.39	7507212.97
12	705603.52	7507215.03
13	705613.52	7507217.71
14	705619.97	7507218.99
15	705627.75	7507220.01
16	705634.26	7507220.43
17	705640.78	7507220.01
18	705648.55	7507218.99
19	705655.00	7507217.71
20	705665.00	7507215.03
21	705671.14	7507212.97
22	705678.39	7507209.98
23	705684.33	7507207.07
24	705689.65	7507203.54
25	705695.87	7507198.80

Coordinate number	Easting	Northing
26	705700.91	7507194.42
27	705708.24	7507187.10
28	705712.48	7507182.31
29	705717.27	7507176.11
30	705720.98	7507170.59
31	705723.84	7507164.85
32	705726.85	7507157.63
33	705729.01	7507151.32
34	705731.68	7507141.32
35	705732.95	7507135.01
36	705733.97	7507127.29
37	705734.40	7507120.75
38	705734.10	7507115.32
39	705733.40	7507108.93
40	705732.55	7507103.72
41	705730.71	7507095.35
42	705729.25	7507090.09
43	705727.19	7507083.98
44	705725.21	7507079.03
45	705640.67	7506895.62
46	705640.20	7506894.63
47	705639.61	7506893.43
48	705639.11	7506892.43
49	705638.27	7506890.81
50	705637.53	7506889.43

Coordinate number	Easting	Northing
51	705636.84	7506888.20
52	705636.45	7506887.51
53	705632.73	7506881.99
54	705600.21	7506821.27
55	705598.96	7506820.97
56	705549.98	7506807.92
57	705549.73	7506807.86
58	705545.93	7506808.85

Coordinate number	Easting	Northing
59	705485.29	7506824.68
60	705484.97	7506824.76
61	705484.74	7506824.99
62	705437.39	7506872.48
63	705437.35	7506872.59
64	705432.35	7506891.41
65	705431.37	7506894.66
66	705430.82	7506896.93

Table 6: Koodaideri Spring Gorge Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	710509.94	7505888.17
2	710641.26	7505937.82
3	710840.72	7505967.17
4	710985.68	7505924.43
5	711038.46	7505919.31
6	711038.68	7505918.45
7	711040.99	7505919.06
8	711054.35	7505917.26
9	711140.13	7505893.53
10	711140.12	7505893.53
11	711243.71	7505864.86
12	711252.18	7505861.68
13	711349.34	7505867.48
14	711402.07	7505908.61
15	711403.37	7505917.14
16	711369.21	7505964.66
17	711366.51	7505968.82
18	711359.81	7505993.73
19	711359.90	7505996.78
20	711361.90	7506029.48
21	711364.78	7506043.32
22	711378.64	7506099.61
23	711462.96	7506175.55
24	711458.83	7506206.52
25	711451.19	7506268.96
26	711736.71	7506264.06
27	711813.39	7506162.75
28	711733.75	7505989.82
29	711764.80	7505939.18

Coordinate number	Easting	Northing
30	711742.58	7505848.22
31	711674.83	7505736.07
32	711593.39	7505673.09
33	711587.80	7505669.35
34	711583.30	7505667.06
35	711532.93	7505644.40
36	711525.75	7505641.83
37	711533.05	7505607.49
38	711538.63	7505589.76
39	711554.57	7505452.07
40	711554.90	7505446.34
41	711554.89	7505445.46
42	711554.06	7505398.45
43	711548.95	7505377.38
44	711503.61	7505285.03
45	711502.02	7505282.07
46	711500.91	7505280.26
47	711441.23	7505186.36
48	711414.99	7505126.46
49	711362.32	7505133.57
50	711315.81	7505143.42
51	711297.33	7505146.97
52	711315.53	7505293.37
53	711354.52	7505394.79
54	711335.10	7505558.32
55	711140.72	7505657.76
56	710968.73	7505704.97
57	710957.00	7505709.71
58	710922.36	7505729.19

Coordinate number	Easting	Northing
59	710897.16	7505743.37
60	710807.48	7505758.45
61	710709.61	7505743.04
62	710684.52	7505735.74
63	710578.59	7505738.66
64	710458.64	7505700.73
65	710425.22	7505690.43
66	710279.30	7505771.80
67	710157.24	7505797.06

Coordinate number	Easting	Northing
68	710119.36	7505907.91
69	710130.58	7505907.91
70	710284.92	7505895.28
71	710474.23	7505862.24
72	710509.94	7505888.17
73	710525.10	7505729.47
74	710526.88	7505729.30
75	710527.49	7505729.77
76	710525.10	7505729.47

Table 7: KBH12 Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	703124.01	7508710.00
2	703123.90	7508706.74
3	703123.58	7508703.48
4	703123.04	7508700.25
5	703122.30	7508697.07
6	703121.35	7508693.93
7	703120.20	7508690.87
8	703118.84	7508687.89
9	703117.30	7508685.00
10	703115.58	7508682.23
11	703113.67	7508679.57
12	703111.60	7508677.04
13	703109.36	7508674.65
14	703106.97	7508672.41
15	703104.44	7508670.33
16	703101.78	7508668.43
17	703099.00	7508666.70
18	703096.12	7508665.16
19	703093.13	7508663.81
20	703090.07	7508662.65
21	703086.94	7508661.70
22	703083.76	7508660.96
23	703080.53	7508660.43
24	703077.28	7508660.12
25	703074.00	7508660.01
26	703070.73	7508660.12
27	703067.48	7508660.43
28	703064.25	7508660.96

Coordinate number	Easting	Northing
29	703061.06	7508661.70
30	703057.93	7508662.65
31	703054.87	7508663.81
32	703051.89	7508665.16
33	703049.00	7508666.70
34	703046.22	7508668.43
35	703043.57	7508670.33
36	703041.04	7508672.41
37	703038.64	7508674.65
38	703036.41	7508677.04
39	703034.33	7508679.57
40	703032.43	7508682.23
41	703030.70	7508685.00
42	703029.16	7508687.89
43	703027.81	7508690.87
44	703026.66	7508693.93
45	703025.71	7508697.07
46	703024.96	7508700.25
47	703024.43	7508703.48
48	703024.11	7508706.74
49	703024.00	7508710.00
50	703024.11	7508713.27
51	703024.43	7508716.53
52	703024.96	7508719.76
53	703025.71	7508722.94
54	703026.66	7508726.08
55	703027.81	7508729.14
56	703029.16	7508732.12

Coordinate number	Easting	Northing
57	703030.70	7508735.01
58	703032.43	7508737.78
59	703034.33	7508740.44
60	703036.41	7508742.97
61	703038.64	7508745.36
62	703041.04	7508747.60
63	703043.57	7508749.68
64	703046.22	7508751.58
65	703049.00	7508753.31
66	703051.89	7508754.85
67	703054.87	7508756.20
68	703057.93	7508757.36
69	703061.06	7508758.31
70	703064.25	7508759.04
71	703067.48	7508759.57
72	703070.73	7508759.89
73	703074.00	7508760.00
74	703077.28	7508759.89
75	703080.53	7508759.57
76	703083.76	7508759.04
77	703086.94	7508758.31

Coordinate number	Easting	Northing
78	703090.07	7508757.36
79	703093.13	7508756.20
80	703096.12	7508754.85
81	703099.00	7508753.31
82	703101.78	7508751.58
83	703104.44	7508749.68
84	703106.97	7508747.60
85	703109.36	7508745.36
86	703111.60	7508742.97
87	703113.67	7508740.44
88	703115.58	7508737.78
89	703117.30	7508735.01
90	703118.84	7508732.12
91	703120.20	7508729.14
92	703121.35	7508726.08
93	703122.30	7508722.94
94	703123.04	7508719.76
95	703123.58	7508716.53
96	703123.90	7508713.27
97	703124.01	7508710.00

Table 8: Pilbara leaf-nosed Bat Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	711626.65	7508493.44
2	712188.41	7507937.35
3	712296.43	7506978.36
4	711851.42	7506720.36
5	711736.71	7506264.06
6	711449.35	7506267.64
7	711450.32	7506406.79
8	711229.41	7506789.37
9	711443.99	7507146.44
10	711442.29	7507425.33
11	711580.76	7507649.20

12	711550.40	7507978.36
13	711143.93	7508189.03
14	710779.91	7508189.40
15	710177.38	7507849.39
16	709560.37	7508115.40
17	709254.50	7508476.71
18	708409.23	7508402.13
19	708215.39	7508420.15
20	708291.46	7508830.22
21	708700.00	7508887.36
22	709139.82	7508899.53
23	709805.36	7508865.39
24	711626.65	7508493.44

Table 9: K58W Troglafauna Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	706945.56	7506300.07
2	706787.19	7506099.10
3	706743.27	7506487.72
4	706591.55	7506696.66
5	706519.68	7506888.32
6	706619.49	7506933.57
7	706801.83	7506697.99
8	707348.82	7506449.13
9	706945.56	7506300.07
10	709665.88	7508050.17
11	710194.24	7507798.63
12	710605.48	7507961.00
13	710754.53	7507505.84
14	711151.13	7507436.63
15	711305.52	7507091.93
16	711901.63	7506598.57
17	711972.88	7506246.30
18	711763.34	7505643.95
19	711724.54	7505466.55
20	711520.14	7504914.65
21	711520.53	7504912.93
22	711477.44	7504799.36
23	711364.42	7504814.69
24	711272.83	7504830.05
25	711207.12	7504838.26
26	711100.35	7504854.69
27	711030.54	7504871.11
28	711001.80	7504936.82
29	711001.80	7505055.90
30	711071.61	7505109.29
31	711096.25	7505179.10
32	711178.38	7505232.48
33	711235.87	7505306.40
34	711219.44	7505396.74
35	711178.38	7505458.34

36	711178.38	7505532.26
37	711112.67	7505618.49
38	711117.83	7505619.42
39	710902.18	7505729.75
40	710578.59	7505738.66
41	710212.45	7505622.88
42	710158.03	7505711.94
43	710409.37	7505843.55
44	710747.19	7505934.59
45	710988.94	7505912.12
46	711236.65	7505909.85
47	711252.29	7506091.12
48	710998.18	7506307.24
49	711007.40	7506958.85
50	710580.32	7507082.75
51	710556.23	7507161.15
52	709764.09	7507505.37
53	709582.70	7507461.84
54	709420.01	7507528.72
55	709665.88	7508050.17
56	707752.08	7507008.09
57	707849.43	7506788.24
58	706910.32	7506887.54
59	706839.06	7507152.73
60	707318.01	7507006.28
61	707636.29	7507779.99
62	707653.64	7507789.95
63	707781.84	7507569.88
64	707989.27	7507954.34
65	708040.89	7508067.61
66	708311.61	7508039.41
67	708358.23	7507676.23
68	708357.63	7507676.19
69	708103.43	7507670.87
70	707752.08	7507008.09

Table 10: K75W Troglafauna Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	703824.54	7509171.53
2	703866.86	7509044.57
3	703997.86	7509072.78
4	704080.48	7509197.73
5	704729.41	7509350.89
6	705229.21	7509223.93
7	705817.68	7508889.39
8	706133.94	7508144.65
9	706232.33	7507435.10
10	706086.73	7507165.36
11	705812.43	7507077.17
12	705915.45	7507005.06
13	705939.63	7506974.28
14	705937.43	7506923.72
15	705922.48	7506879.13
16	705860.10	7506696.38
17	705802.81	7506712.23
18	705567.72	7506812.64
19	705435.85	7506878.23
20	705430.82	7506896.93
21	705460.31	7507038.97
22	705403.61	7507076.21
23	705411.53	7507106.91
24	705554.15	7507177.56
25	705576.27	7507227.90
26	705576.47	7507228.14
27	705623.05	7507334.25
28	705623.04	7507334.32
29	705658.31	7507414.58
30	705955.13	7507277.55
31	706030.67	7507562.94
32	705897.84	7507807.12
33	705762.93	7507888.11

34	705557.30	7508109.26
35	705100.01	7508455.32
36	704979.29	7508489.02
37	704922.93	7508503.99
38	704869.23	7508599.37
39	704474.03	7508703.04
40	704277.54	7508659.48
41	703951.29	7508785.53
42	703818.05	7508597.68
43	703722.67	7508517.28
44	703657.28	7508481.47
45	703644.44	7508475.75
46	703635.88	7508474.07
47	703627.35	7508473.78
48	703618.02	7508475.37
49	703610.51	7508477.95
50	703442.31	7508519.58
51	703373.37	7508480.51
52	703295.24	7508406.98
53	703233.19	7508303.56
54	703201.02	7508227.73
55	703157.90	7508173.80
56	703057.81	7508172.87
57	703042.98	7508690.06
58	703251.57	7508728.70
59	703333.32	7508897.19
60	703365.42	7509090.25
61	703187.70	7509153.39
62	703238.09	7509248.12
63	703379.16	7509276.33
64	703508.14	7509496.00
65	703798.65	7509493.99
66	703824.54	7509171.53

Table 11: K38W Troglafauna Exclusion Zone Co-ordinates (MGA Zone 50)

Coordinate Number	Easting	Northing
0	713532.08	7505363.24
1	713578.93	7505350.62
2	713678.39	7505370.17
3	713756.65	7505411.73
4	713806.79	7505414.69
5	713836.71	7505390.68
6	713845.55	7505345.47
7	713831.50	7505282.20
8	713791.09	7505225.27
9	713769.77	7505194.33
10	713745.47	7505155.68
11	713730.21	7505079.69
12	713757.40	7505022.38
13	713806.47	7504977.39
14	713839.13	7504943.59
15	713865.43	7504889.28
16	713892.80	7504837.84
17	713943.30	7504814.43
18	713993.77	7504833.00
19	714072.14	7504875.55
20	714130.31	7504893.01
21	714169.49	7504891.25
22	714228.85	7504868.60
23	714256.47	7504828.00
24	714268.01	7504770.02
25	714285.61	7504718.82
26	714326.05	7504682.81
27	714374.05	7504679.04
28	714410.45	7504685.18
29	714463.31	7504683.22
30	714491.49	7504667.99
31	714515.96	7504622.45
32	714518.73	7504562.82
33	714497.93	7504458.44
34	714485.06	7504405.89
35	714481.20	7504365.85
36	714493.56	7504300.10
37	714532.02	7504262.12
38	714562.69	7504262.80
39	714597.06	7504278.05

40	714637.97	7504312.04
41	714722.29	7504382.53
42	714724.46	7504390.47
43	714725.10	7504392.57
44	714738.10	7504424.06
45	714741.06	7504430.00
46	714742.43	7504432.53
47	714746.52	7504437.79
48	714757.80	7504450.04
49	714760.31	7504452.55
50	714776.53	7504465.18
51	714779.96	7504467.45
52	714783.80	7504469.95
53	714788.47	7504472.54
54	714790.02	7504473.29
55	714795.92	7504475.65
56	714796.54	7504475.86
57	714806.53	7504476.83
58	714820.02	7504477.42
59	714826.60	7504477.10
60	714827.22	7504477.20
61	714836.61	7504479.18
62	714856.55	7504485.55
63	714925.01	7504532.55
64	714977.65	7504574.13
65	714993.88	7504586.97
66	715140.89	7504725.03
67	715263.30	7504855.79
68	715312.64	7504918.46
69	715448.03	7505064.55
70	715535.37	7505114.72
71	715591.14	7505107.84
72	715616.02	7505077.03
73	715624.02	7505038.71
74	715608.74	7504961.72
75	715571.99	7504893.89
76	715538.48	7504793.78
77	715508.83	7504638.79
78	715505.77	7504538.14
79	715507.67	7504490.16
80	715533.30	7504402.62
81	715612.70	7504305.25

82	715712.80	7504217.22
83	715756.45	7504145.94
84	715826.57	7504025.32
85	715890.01	7503920.31
86	715944.47	7503849.87
87	715983.75	7503848.10
88	716003.71	7503870.30
89	716018.53	7503921.82
90	716046.86	7503961.41
91	716081.40	7503973.44
92	716115.75	7503972.85
93	716178.90	7503993.12
94	716222.31	7504050.99
95	716249.78	7504146.31
96	716255.85	7504248.91
97	716290.45	7504308.90
98	716324.91	7504316.17
99	716351.06	7504302.95
100	716375.76	7504259.40
101	716388.72	7504223.00
102	716404.22	7504168.83
103	716438.59	7504074.31
104	716484.34	7504013.74
105	716570.56	7503963.12
106	716654.67	7503952.74
107	716777.57	7503964.07
108	716868.13	7504030.92
109	716934.10	7504091.24
110	716973.71	7504105.19
111	717035.03	7504083.50
112	717067.14	7504026.11
113	717095.60	7503928.67
114	717138.68	7503788.94
115	717191.36	7503680.30
116	717245.14	7503627.48
117	717282.52	7503622.08
118	717286.54	7503622.58
119	717290.05	7503623.63
120	717296.61	7503629.08
121	717297.55	7503629.95
122	717299.95	7503633.02
123	717304.38	7503640.05
124	717311.75	7503652.57

125	717328.09	7503680.03
126	717329.67	7503682.56
127	717329.98	7503682.99
128	717335.12	7503690.01
129	717337.01	7503692.53
130	717356.61	7503717.73
131	717358.49	7503720.03
132	717359.96	7503721.67
133	717360.79	7503722.55
134	717366.52	7503727.89
135	717369.02	7503729.96
136	717369.96	7503730.72
137	717372.25	7503732.57
138	717373.08	7503733.12
139	717376.61	7503735.28
140	717404.84	7503752.49
141	717453.16	7503779.17
142	717470.23	7503786.24
143	717487.09	7503792.54
144	717511.17	7503807.15
145	717519.68	7503812.57
146	717519.99	7503812.78
147	717528.84	7503819.97
148	717536.55	7503827.17
149	717539.17	7503830.01
150	717541.36	7503832.53
151	717546.60	7503838.77
152	717547.33	7503839.98
153	717558.52	7503859.98
154	717563.95	7503872.53
155	717564.80	7503874.84
156	717566.61	7503878.69
157	717567.35	7503880.01
158	717568.82	7503882.54
159	717569.98	7503884.41
160	717574.59	7503890.54
161	717576.16	7503892.52
162	717576.58	7503892.95
163	717580.03	7503896.45
164	717598.67	7503912.58
165	717600.02	7503913.67
166	717606.57	7503918.34
167	717609.57	7503919.62

168	717641.83	7503937.89
169	717689.97	7504002.56
170	717695.26	7504012.56
171	717700.03	7504022.58
172	717703.11	7504029.18
173	717704.90	7504032.59
174	717706.59	7504035.22
175	717711.49	7504040.03
176	717714.20	7504042.54
177	717716.60	7504044.61
178	717723.36	7504050.05
179	717725.86	7504051.90
180	717756.52	7504073.73
181	717766.17	7504080.01
182	717770.12	7504082.51
183	717776.24	7504086.30
184	717799.18	7504100.04
185	717923.09	7504153.55
186	717968.45	7504167.42
187	718082.55	7504181.86
188	718167.79	7504178.32
189	718272.11	7504148.93
190	718344.26	7504035.03
191	718374.54	7503979.65
192	718425.70	7503894.52
193	718476.34	7503830.99
194	718513.06	7503757.92
195	718504.84	7503693.45
196	718488.61	7503666.44
197	718459.65	7503641.48
198	718348.85	7503598.64
199	718163.11	7503530.72
200	717974.53	7503421.85
201	717821.57	7503328.87
202	717799.82	7503319.21
203	717820.93	7503262.53
204	717849.98	7503228.67
205	717903.51	7503223.48
206	718033.82	7503199.80
207	718039.98	7503198.50
208	718042.24	7503198.24
209	718046.58	7503199.84
210	718050.00	7503201.46

211	718056.53	7503205.13
212	718059.97	7503207.96
213	718062.26	7503210.03
214	718066.54	7503214.18
215	718083.05	7503232.56
216	718084.52	7503234.53
217	718086.52	7503237.38
218	718088.10	7503240.02
219	718089.58	7503242.54
220	718100.20	7503266.21
221	718101.32	7503272.51
222	718102.64	7503278.58
223	718103.52	7503282.56
224	718106.56	7503286.39
225	718109.98	7503288.45
226	718136.53	7503303.24
227	718137.87	7503303.89
228	718227.83	7503342.60
229	718286.44	7503333.68
230	718321.78	7503286.10
231	718321.90	7503244.00
232	718311.46	7503211.92
233	718294.46	7503152.57
234	718303.33	7503103.48
235	718329.10	7503063.13
236	718346.59	7503063.65
237	718413.84	7503032.56
238	718417.79	7503027.75
239	718422.24	7503022.59
240	718427.94	7503017.96
241	718430.28	7503016.16
242	718433.74	7503013.78
243	718442.30	7503008.23
244	718446.29	7503006.29
245	718454.77	7503002.52
246	718456.52	7503002.05
247	718550.02	7503015.34
248	718556.72	7503016.68
249	718601.18	7503032.56
250	718611.61	7503042.49
251	718614.57	7503062.49
252	718612.08	7503067.96
253	718610.03	7503068.32

254	718602.21	7503068.21
255	718600.04	7503067.91
256	718597.46	7503067.50
257	718596.54	7503067.29
258	718590.04	7503066.28
259	718586.53	7503065.77
260	718580.05	7503065.31
261	718576.55	7503065.25
262	718569.97	7503066.01
263	718566.59	7503066.61
264	718556.54	7503068.97
265	718505.07	7503081.11
266	718503.24	7503082.58
267	718502.56	7503092.56
268	718506.54	7503097.49
269	718514.43	7503102.58
270	718516.60	7503103.66
271	718526.53	7503107.50
272	718530.04	7503108.34
273	718536.54	7503109.24
274	718546.52	7503109.54
275	718566.58	7503109.37
276	718569.05	7503109.11
277	718572.74	7503108.62
278	718580.53	7503106.51
279	718596.53	7503102.85
280	718600.03	7503102.80
281	718603.01	7503102.98
282	718606.62	7503103.26
283	718610.02	7503103.66
284	718616.51	7503104.56
285	718626.09	7503112.51
286	718656.51	7503146.64
287	718659.34	7503150.03
288	718659.97	7503151.13
289	718664.83	7503160.03
290	718712.14	7503260.05
291	718713.95	7503264.01
292	718718.84	7503282.55
293	718720.49	7503289.95
294	718731.32	7503342.52
295	718731.34	7503351.38
296	718730.70	7503356.71

297	718729.59	7503365.58
298	718728.50	7503368.48
299	718727.80	7503370.04
300	718726.60	7503372.38
301	718725.41	7503375.50
302	718723.73	7503379.96
303	718723.04	7503382.52
304	718722.95	7503382.96
305	718720.92	7503392.51
306	718723.53	7503402.56
307	718724.28	7503404.32
308	718726.61	7503409.27
309	718763.01	7503472.56
310	718767.33	7503480.03
311	718769.63	7503482.54
312	718776.52	7503489.20
313	718777.35	7503489.96
314	718779.95	7503492.03
315	718790.03	7503499.20
316	718795.02	7503502.56
317	718806.55	7503509.93
318	718822.94	7503520.00
319	718825.33	7503521.29
320	718827.71	7503522.59
321	718829.99	7503523.66
322	718840.03	7503527.95
323	718859.99	7503535.09
324	718865.03	7503535.02
325	718866.57	7503534.88
326	718873.44	7503533.46
327	719056.52	7503472.25
328	719126.60	7503429.71
329	719129.95	7503427.22
330	719130.56	7503426.44
331	719134.89	7503419.95
332	719135.09	7503405.11
333	719134.40	7503400.02
334	719132.96	7503392.95
335	719132.85	7503392.51
336	719132.20	7503389.97
337	719112.53	7503352.59
338	719099.66	7503329.96
339	719098.92	7503328.75

340	719096.60	7503324.90
341	719095.23	7503322.60
342	719093.85	7503319.74
343	719075.00	7503259.97
344	719073.14	7503252.57
345	719072.25	7503248.15
346	719071.96	7503241.96
347	719071.90	7503237.86
348	719072.82	7503229.98
349	719073.74	7503222.55
350	719074.94	7503212.56
351	719073.15	7503210.04
352	719070.01	7503206.09
353	719066.58	7503204.04
354	719016.60	7503191.02
355	719014.96	7503190.93
356	719006.13	7503192.16
357	719004.28	7503192.52
358	719002.85	7503192.87
359	718993.91	7503194.00
360	718976.53	7503194.47
361	718936.59	7503185.51
362	718816.57	7503145.02
363	718806.53	7503140.95
364	718796.60	7503136.78
365	718789.97	7503133.77
366	718787.48	7503132.59
367	718746.58	7503070.69
368	718746.26	7503070.03
369	718744.61	7503062.52
370	718747.00	7503042.55
371	718756.60	7503037.32
372	718860.04	7503033.63
373	718960.47	7503049.37
374	718969.96	7503051.56
375	719006.54	7503062.55
376	719026.53	7503071.80
377	719027.98	7503072.55
378	719046.58	7503085.47
379	719050.01	7503087.85
380	719056.66	7503092.52
381	719059.99	7503095.47
382	719065.31	7503100.04

383	719066.55	7503100.91
384	719069.98	7503103.08
385	719076.51	7503106.97
386	719080.03	7503108.36
387	719086.54	7503110.04
388	719090.04	7503110.43
389	719090.35	7503110.43
390	719106.59	7503109.42
391	719146.34	7503112.40
392	719229.97	7503118.85
393	719304.45	7503125.32
394	719373.81	7503119.78
395	719387.25	7503117.27
396	719428.40	7503124.32
397	719431.19	7503124.83
398	719512.55	7503152.47
399	719526.61	7503157.48
400	719529.84	7503159.98
401	719532.86	7503162.48
402	719610.02	7503285.00
403	719658.87	7503362.50
404	719660.02	7503364.04
405	719666.58	7503369.48
406	719670.01	7503372.31
407	719670.43	7503372.53
408	719674.68	7503374.68
409	719676.54	7503375.32
410	719679.53	7503375.50
411	719680.04	7503375.49
412	719716.60	7503370.76
413	719723.16	7503369.12
414	719730.02	7503367.02
415	719736.57	7503364.38
416	719770.37	7503332.55
417	719776.56	7503326.15
418	719779.80	7503322.56
419	719787.28	7503313.26
420	719787.78	7503312.58
421	719806.52	7503277.98
422	719817.33	7503249.80
423	719831.57	7503202.51
424	719831.73	7503191.66
425	719831.70	7503190.00

426	719831.67	7503187.67
427	719825.61	7503152.53
428	719816.59	7503104.48
429	719818.44	7503104.34
430	719836.10	7503102.09
431	719836.62	7503101.97
432	719840.00	7503101.04
433	719840.82	7503100.81
434	719843.17	7503100.00
435	719843.79	7503099.77
436	719846.55	7503098.51
437	719850.02	7503096.69
438	719850.43	7503096.46
439	719856.53	7503084.63
440	719857.23	7503083.18
441	719857.53	7503082.51
442	719863.12	7503063.16
443	719867.31	7503032.52
444	719867.07	7503029.98
445	719866.61	7503027.11
446	719865.83	7503022.57
447	719864.87	7503020.04
448	719860.85	7503012.57
449	719860.01	7503011.36
450	719858.96	7503010.05
451	719855.11	7502992.49
452	719855.07	7502910.96
453	719866.57	7502909.13
454	719916.16	7502902.55
455	719918.45	7502904.40
456	719920.03	7502906.60
457	719922.44	7502910.00
458	719924.23	7502912.52
459	719935.40	7502952.57
460	719935.34	7502955.34
461	719935.13	7502962.54
462	719934.41	7502969.97
463	719934.32	7502970.31
464	719932.50	7502972.55
465	719930.07	7502982.55
466	719932.58	7502992.49
467	719936.61	7503000.96
468	719937.35	7503002.50

469	719938.61	7503004.58
470	719945.77	7503015.78
471	719946.61	7503017.10
472	719948.61	7503019.95
473	719949.97	7503021.37
474	719960.02	7503026.43
475	719968.84	7503024.75
476	719969.97	7503024.52
477	719975.17	7503021.12
478	719976.59	7503020.10
479	719980.05	7503017.28
480	719987.04	7503009.98
481	720054.37	7502984.43
482	720060.04	7502984.79
483	720066.52	7502985.14
484	720075.37	7502985.45
485	720156.57	7502987.06
486	720156.98	7502987.05
487	720166.55	7502986.91
488	720166.85	7502986.91
489	720196.58	7502986.26
490	720205.20	7502985.25
491	720206.54	7502985.01
492	720216.17	7502982.55
493	720216.58	7502982.43
494	720224.16	7502980.11
495	720228.36	7502978.38
496	720234.99	7502974.97
497	720237.13	7502973.05
498	720237.63	7502972.49
499	720238.63	7502970.04
500	720238.82	7502968.82
501	720238.44	7502964.50
502	720237.90	7502962.52
503	720238.30	7502954.32
504	720240.02	7502952.52
505	720243.79	7502949.69
506	720257.23	7502947.18
507	720280.01	7502942.97
508	720286.59	7502943.10
509	720290.00	7502943.71
510	720296.53	7502947.05
511	720302.78	7502952.84

512	720311.73	7502960.02
513	720317.13	7502963.15
514	720320.03	7502964.66
515	720326.56	7502967.78
516	720336.60	7502965.42
517	720338.55	7502964.51
518	720340.99	7502962.59
519	720350.00	7502952.49
520	720350.17	7502950.16
521	720350.17	7502950.05
522	720350.05	7502949.06
523	720348.72	7502942.54
524	720347.00	7502937.03
525	720346.57	7502935.81
526	720344.67	7502932.52
527	720339.99	7502928.82
528	720336.56	7502926.32
529	720336.25	7502926.21
530	720329.96	7502925.31
531	720324.81	7502924.83
532	720319.97	7502924.79
533	720318.84	7502924.80
534	720307.56	7502927.51
535	720303.89	7502929.89
536	720299.99	7502930.61
537	720295.17	7502931.12
538	720290.02	7502931.20
539	720286.62	7502930.36
540	720283.62	7502929.52
541	720280.00	7502928.46
542	720276.56	7502924.85
543	720273.30	7502920.03
544	720270.03	7502914.76
545	720268.97	7502912.56
546	720251.45	7502852.55
547	720249.60	7502845.49
548	720249.14	7502842.50
549	720249.96	7502841.83
550	720256.56	7502836.41
551	720265.81	7502835.73
552	720279.60	7502835.53
553	720286.61	7502836.54
554	720289.05	7502834.95

555	720291.18	7502832.59
556	720288.67	7502822.55
557	720283.35	7502760.04
558	720290.67	7502746.64
559	720306.54	7502748.74
560	720314.47	7502742.53
561	720300.01	7502709.40
562	720287.14	7502680.01
563	720277.55	7502650.02
564	720290.00	7502642.97
565	720290.71	7502642.52
566	720297.85	7502637.87
567	720299.98	7502636.07
568	720300.08	7502635.96
569	720302.92	7502632.59
570	720312.16	7502602.55
571	720312.25	7502602.22
572	720312.63	7502600.00
573	720314.37	7502581.74
574	720142.84	7502513.93
575	720104.25	7502626.87
576	720040.42	7502741.76
577	719921.27	7502775.81
578	719780.84	7502784.32
579	719606.37	7502826.87
580	719453.17	7502852.40
581	719351.05	7502814.10
582	719146.79	7502643.89
583	719005.94	7502537.33
584	718917.55	7502507.43
585	718751.04	7502503.46
586	718555.29	7502520.48
587	718305.41	7502597.39
588	718163.79	7502703.46
589	718002.09	7502848.15
590	717844.64	7502967.30
591	717643.76	7503024.23
592	717515.13	7502990.63
593	717356.87	7502949.29
594	717083.69	7503178.15
595	716755.61	7503380.56
596	716197.86	7503633.76
597	715996.78	7503726.37

598	715774.53	7503852.05
599	715343.52	7504041.22
600	715248.27	7504072.97
601	715096.14	7504119.28
602	714805.09	7504153.67
603	714271.03	7504137.80
604	714034.23	7504350.79
605	713425.02	7504945.57
606	713197.48	7505187.67
607	713131.34	7505297.47
608	713116.92	7505381.34
609	713193.27	7505558.21
610	713376.73	7505720.98

611	713552.40	7505773.68
612	713611.57	7505789.25
613	713644.91	7505789.56
614	713694.57	7505772.03
615	713702.69	7505741.57
616	713692.04	7505700.62
617	713625.79	7505627.55
618	713536.32	7505564.66
619	713486.11	7505512.86
620	713475.04	7505449.43
621	713488.85	7505406.15
622	713508.89	7505382.28
623	713532.08	7505363.24

Table 12: *Lepidium catapycnon* (Hamersley Lepidium) Buffers Co-ordinates (MGA Zone 50)

The *Lepidium catapycnon* (Hamersley Lepidium) buffers are defined as the area within a 50 m radius of each of the co-ordinates listed in Table 12 below.

Coordinate number	Easting	Northing
1	704695.00	7509387.00
2	706709.00	7509427.00
3	706709.00	7509427.00
4	706763.00	7509439.00
5	706763.00	7509439.00
6	706559.00	7509930.00
7	706559.00	7509930.00
8	705829.00	7509286.00
9	702121.00	7511699.00
10	702272.00	7511780.00
11	702217.00	7511756.00
12	704695.00	7509387.00
13	706593.00	7510101.00
14	706593.00	7510101.00
15	706611.00	7510041.00
16	706611.00	7510041.00
17	707051.00	7509494.00
18	707051.00	7509494.00
19	705746.00	7509280.00
20	705753.00	7509328.00
21	705679.00	7509296.00
22	706763.00	7509439.00
23	706763.00	7509439.00

24	706559.00	7509930.00
25	706559.00	7509930.00
26	704695.00	7509387.00
27	706593.00	7510101.00
28	706593.00	7510101.00
29	706611.00	7510041.00
30	706611.00	7510041.00
31	707051.00	7509494.00
32	707051.00	7509494.00
33	705679.00	7509296.00
34	705753.00	7509328.00
35	705746.00	7509280.00
36	705829.00	7509286.00
37	706709.00	7509427.00
38	706709.00	7509427.00
39	707051.00	7509494.00
40	707051.00	7509494.00
41	706763.00	7509439.00
42	706763.00	7509439.00
43	706709.00	7509427.00
44	706709.00	7509427.00
45	706611.00	7510041.00
46	706611.00	7510041.00
47	706593.00	7510101.00

48	706593.00	7510101.00
49	706559.00	7509930.00
50	706559.00	7509930.00
51	705829.00	7509286.00
52	702121.00	7511699.00
53	702272.00	7511780.00
54	702217.00	7511756.00
55	705753.00	7509328.00
56	705746.00	7509280.00
57	705679.00	7509296.00
58	701250.53	7510849.64
59	701271.00	7510826.00
60	701294.00	7510770.00
61	701377.00	7510692.00
62	705335.00	7509518.00
63	705328.00	7509524.00
64	705339.00	7509533.00
65	705348.00	7509540.00
66	705801.00	7509421.00
67	705890.00	7509281.00

68	705687.00	7509334.00
69	701502.00	7510941.00
70	701499.00	7510928.00
71	701484.00	7510864.00
72	701506.00	7510866.00
73	701517.00	7510872.00
74	701492.00	7511015.00
75	701648.00	7510910.00
76	701646.00	7510897.00
77	701689.00	7510855.00
78	701707.00	7510831.00
79	706770.00	7509432.00
80	706701.00	7509420.00
81	705701.00	7509643.00
82	701248.00	7510856.00
83	701330.00	7511037.00
84	701636.00	7510983.00
85	701689.00	7510873.00
86	701710.00	7510853.00
87	706259.00	7509948.00

Table 13: *Sauropus* sp. Koodaideri detritals Buffers Co-ordinates (MGA Zone 50)

The *Sauropus* sp. Koodaideri detritals buffers are defined as the area within a 20 m radius of each of the co-ordinates listed in Table 13 below.

Coordinate number	Easting	Northing
1	718592.00	7500094.00
2	718585.00	7500099.00
3	718543.00	7500098.00
4	718542.00	7500099.00
5	718554.00	7500033.00
6	718349.00	7500309.00
7	718342.00	7500290.00
8	718345.00	7500293.00
9	718346.00	7500295.00
10	718347.00	7500297.00
11	718347.00	7500299.00
12	718347.00	7500299.00
13	718348.00	7500305.00
14	718346.00	7500316.00
15	718346.00	7500322.00
16	718338.00	7500345.00

17	718338.00	7500352.00
18	718334.00	7500401.00
19	718339.00	7500423.00
20	718339.00	7500430.00
21	718337.00	7500436.00
22	718336.00	7500440.00
23	718333.00	7500450.00
24	718335.00	7500280.00
25	718333.00	7500267.00
26	718334.00	7500269.00
27	718335.00	7500272.00
28	718335.00	7500275.00
29	718339.00	7500286.00
30	718321.00	7500213.00
31	718317.00	7500227.00
32	718316.00	7500229.00
33	718312.00	7500222.00

34	718321.00	7500239.00
35	718321.00	7500249.00
36	718321.00	7500249.00
37	718317.00	7500247.00
38	718326.00	7500260.00
39	718253.00	7500476.00
40	718329.00	7500465.00
41	718259.00	7500473.00
42	718245.00	7500475.00
43	718243.00	7500482.00
44	718241.00	7500487.00
45	718255.00	7500510.00
46	718265.00	7500523.00
47	718043.00	7500634.00
48	718036.00	7500616.00
49	717930.00	7500477.00
50	717243.00	7501166.00
51	716967.00	7501412.00
52	716964.00	7501369.00
53	716964.00	7501360.00
54	716966.00	7501363.00
55	716964.00	7501370.00
56	716963.00	7501370.00
57	716963.00	7501371.00
58	716961.00	7501371.00
59	716959.00	7501373.00
60	716955.00	7501377.00
61	716955.00	7501382.00
62	716949.00	7501392.00
63	716984.00	7501349.00
64	716814.00	7501274.00
65	716801.00	7501672.00
66	716800.00	7501673.00
67	716806.00	7501673.00
68	716820.00	7501669.00
69	716716.00	7501241.00
70	716717.00	7501242.00
71	716718.00	7501247.00
72	716718.00	7501248.00
73	716719.00	7501250.00
74	716719.00	7501251.00
75	716721.00	7501253.00
76	716702.00	7501402.00

77	716762.00	7501428.00
78	716758.00	7501421.00
79	716752.00	7501407.00
80	716718.00	7501398.00
81	716713.00	7501401.00
82	716700.00	7501402.00
83	716700.00	7501401.00
84	716698.00	7501389.00
85	716610.00	7501353.00
86	716585.00	7501359.00
87	716585.00	7501364.00
88	716573.00	7501365.00
89	716571.00	7501364.00
90	716553.00	7501363.00
91	716554.00	7501364.00
92	716553.00	7501366.00
93	716552.00	7501368.00
94	716534.00	7501352.00
95	716523.00	7501355.00
96	716427.00	7501233.00
97	716424.00	7501231.00
98	716423.00	7501231.00
99	716427.00	7501218.00
100	716430.00	7501215.00
101	716521.00	7501099.00
102	716521.00	7501099.00
103	716520.00	7501099.00
104	716522.00	7501103.00
105	716523.00	7501103.00
106	716431.00	7501245.00
107	716432.00	7501250.00
108	714087.00	7503044.00
109	718622.00	7500085.00
110	718212.00	7500652.00
111	718214.00	7500652.00
112	718309.00	7500654.00
113	718413.00	7500675.00
114	718128.00	7500677.00
115	718228.00	7500922.00
116	718221.00	7500916.00
117	718212.00	7500900.00
118	718209.00	7500907.00
119	718204.00	7500915.00

120	718202.00	7500904.00
121	718198.00	7500960.00
122	718204.00	7500949.00
123	718204.00	7500975.00
124	718201.00	7500975.00
125	718202.00	7500971.00
126	718195.00	7500974.00
127	718195.00	7500953.00
128	718192.00	7500915.00
129	718190.00	7500913.00
130	718185.00	7500910.00
131	718175.00	7500923.00
132	718193.00	7500972.00
133	718186.00	7500943.00
134	718161.00	7500956.00
135	718160.00	7500954.00
136	718081.00	7501065.00
137	718080.00	7501065.00
138	718091.00	7501071.00
139	718094.00	7501068.00
140	718111.00	7501071.00
141	718116.00	7501071.00
142	718129.00	7501072.00
143	718157.00	7501074.00
144	718165.00	7501076.00
145	718111.00	7500888.00
146	718099.00	7500894.00
147	718085.00	7500900.00
148	718072.00	7500896.00
149	718080.00	7500887.00
150	718080.00	7500881.00
151	718078.00	7500878.00
152	718073.00	7500876.00
153	718106.00	7500883.00
154	718085.00	7500931.00
155	718078.00	7500926.00
156	718077.00	7500926.00
157	718073.00	7500922.00
158	718029.00	7500915.00
159	718070.00	7500927.00
160	718068.00	7500923.00
161	718061.00	7500918.00
162	718058.00	7500917.00

163	718065.00	7500914.00
164	718069.00	7500907.00
165	718040.00	7500917.00
166	718038.00	7500912.00
167	718051.00	7500954.00
168	718047.00	7500996.00
169	718017.00	7501022.00
170	717995.00	7501039.00
171	718063.00	7501058.00
172	718065.00	7501059.00
173	718068.00	7501062.00
174	718043.00	7500640.00
175	717438.00	7501123.00
176	717442.00	7501112.00
177	717438.00	7501132.00
178	717440.00	7501134.00
179	717437.00	7501141.00
180	717433.00	7501149.00
181	717413.00	7501007.00
182	717453.00	7501074.00
183	717381.00	7501044.00
184	717413.00	7501012.00
185	717460.00	7501071.00
186	717465.00	7501067.00
187	717473.00	7501047.00
188	717465.00	7501039.00
189	717468.00	7501041.00
190	717434.00	7501208.00
191	717424.00	7501199.00
192	717461.00	7501301.00
193	717425.00	7501156.00
194	717420.00	7501175.00
195	714873.00	7502906.00
196	714873.00	7502909.00
197	714858.00	7502937.00
198	714862.00	7502943.00
199	714852.00	7502963.00
200	714825.00	7502977.00
201	714823.00	7502979.00
202	714806.00	7502983.00
203	714801.00	7502984.00
204	714816.00	7503194.00
205	714815.00	7503198.00

206	714814.00	7503198.00
207	714812.00	7503201.00
208	714811.00	7503204.00
209	714846.00	7503060.00
210	714780.00	7503084.00
211	714790.00	7503084.00
212	714794.00	7503084.00
213	714793.00	7502768.00
214	714800.00	7502767.00
215	714806.00	7502766.00
216	714813.00	7502763.00
217	714815.00	7502764.00
218	714823.00	7502757.00
219	714825.00	7502755.00
220	714827.00	7502755.00
221	714832.00	7502748.00
222	714832.00	7502742.00
223	714791.00	7503389.00
224	714765.00	7503355.00
225	714774.00	7503350.00
226	714792.00	7503356.00
227	714791.00	7503370.00
228	714793.00	7503374.00
229	714790.00	7503397.00
230	714750.00	7502731.00
231	714767.00	7502762.00
232	714770.00	7502762.00
233	714778.00	7502774.00
234	714771.00	7502774.00
235	714785.00	7502771.00
236	714700.00	7503006.00
237	714720.00	7503001.00
238	714744.00	7503001.00
239	714745.00	7503001.00
240	714751.00	7502995.00
241	714758.00	7502999.00
242	714723.00	7502692.00
243	714702.00	7502722.00
244	714719.00	7502707.00
245	714721.00	7502706.00
246	714734.00	7502708.00
247	714699.00	7502762.00
248	714703.00	7502768.00

249	714705.00	7502772.00
250	714706.00	7502782.00
251	714702.00	7502784.00
252	714701.00	7502786.00
253	714697.00	7502810.00
254	714688.00	7502824.00
255	714683.00	7502840.00
256	714681.00	7502851.00
257	714686.00	7502870.00
258	714660.00	7502745.00
259	714674.00	7502739.00
260	714682.00	7502730.00
261	714691.00	7502723.00
262	714680.00	7502781.00
263	714685.00	7502778.00
264	714687.00	7502776.00
265	714631.00	7502733.00
266	714625.00	7502712.00
267	714631.00	7502733.00
268	714637.00	7502736.00
269	714609.00	7502747.00
270	714612.00	7502747.00
271	714620.00	7502758.00
272	714623.00	7502761.00
273	714575.00	7502995.00
274	714575.00	7502993.00
275	714575.00	7502993.00
276	714576.00	7502993.00
277	714557.00	7502877.00
278	714571.00	7502917.00
279	714568.00	7502919.00
280	714560.00	7502915.00
281	714566.00	7502908.00
282	714567.00	7502912.00
283	714559.00	7502893.00
284	714532.00	7502869.00
285	714544.00	7502863.00
286	714548.00	7502888.00
287	714554.00	7502885.00
288	714570.00	7502854.00
289	714568.00	7502852.00
290	714533.00	7502836.00
291	714533.00	7502830.00

292	714512.00	7502816.00
293	714512.00	7502804.00
294	714509.00	7502808.00
295	714569.00	7502833.00
296	714571.00	7502831.00
297	714572.00	7502830.00
298	714519.00	7503326.00
299	714303.00	7503115.00
300	714278.00	7503131.00
301	714285.00	7503133.00
302	714286.00	7503131.00
303	714295.00	7503148.00
304	714309.00	7503154.00
305	714309.00	7503154.00
306	714312.00	7503157.00
307	714332.00	7503162.00
308	714166.00	7503108.00
309	714147.00	7503093.00
310	714144.00	7503080.00
311	714142.00	7503075.00
312	714169.00	7503085.00
313	714173.00	7503085.00
314	714178.00	7503093.00
315	714176.00	7503077.00
316	714184.00	7503085.00
317	714188.00	7503091.00
318	714162.00	7503141.00
319	714142.00	7503119.00
320	714146.00	7503125.00
321	714151.00	7503128.00
322	714165.00	7503137.00
323	714149.00	7503126.00
324	714160.00	7503117.00
325	714154.00	7503112.00
326	714165.00	7503113.00
327	714083.00	7503164.00
328	714085.00	7503151.00
329	714084.00	7503116.00
330	714076.00	7503114.00
331	714063.00	7503111.00
332	714059.00	7503069.00
333	714059.00	7503063.00
334	714079.00	7503209.00

335	714081.00	7503209.00
336	714061.00	7503172.00
337	714014.00	7503246.00
338	714021.00	7503241.00
339	714036.00	7503233.00
340	714022.00	7503228.00
341	714005.00	7503266.00
342	714007.00	7503235.00
343	714042.00	7503293.00
344	714042.00	7503293.00
345	713960.00	7503181.00
346	713946.00	7503185.00
347	714036.00	7503080.00
348	714035.00	7503065.00
349	714046.00	7503074.00
350	714042.00	7503053.00
351	714041.00	7503060.00
352	714040.00	7503058.00
353	714040.00	7503059.00
354	713989.00	7503210.00
355	713993.00	7503206.00
356	713988.00	7503208.00
357	713964.00	7503201.00
358	713960.00	7503199.00
359	713957.00	7503201.00
360	713948.00	7503199.00
361	713991.00	7503212.00
362	713955.00	7503216.00
363	713972.00	7503400.00
364	713959.00	7503396.00
365	713960.00	7503373.00
366	713963.00	7503353.00
367	713956.00	7503350.00
368	713956.00	7503350.00
369	713956.00	7503350.00
370	713955.00	7503352.00
371	713956.00	7503361.00
372	713957.00	7503364.00
373	713848.00	7503293.00
374	713844.00	7503277.00
375	713822.00	7503305.00
376	713853.00	7503312.00
377	713852.00	7503312.00

378	713847.00	7503313.00
379	713846.00	7503318.00
380	713850.00	7503324.00
381	713851.00	7503324.00
382	713847.00	7503324.00
383	713834.00	7503322.00
384	713829.00	7503313.00
385	713828.00	7503301.00
386	713821.00	7503301.00
387	713713.00	7503397.00
388	713709.00	7503387.00
389	713701.00	7503378.00
390	713701.00	7503369.00
391	713701.00	7503369.00
392	713698.00	7503367.00
393	713712.00	7503348.00
394	713577.00	7503516.00
395	712878.00	7503557.00
396	712840.00	7503584.00
397	712840.00	7503585.00
398	712983.00	7503516.00
399	712976.00	7503514.00
400	712963.00	7503494.00
401	712970.00	7503498.00
402	712954.00	7503507.00
403	712953.00	7503517.00
404	712938.00	7503549.00

405	712943.00	7503575.00
406	712720.00	7503456.00
407	712725.00	7503456.00
408	712725.00	7503456.00
409	712727.00	7503456.00
410	712729.00	7503457.00
411	712767.00	7503492.00
412	712790.00	7503495.00
413	712707.00	7503650.00
414	712712.00	7503654.00
415	712707.00	7503651.00
416	712677.00	7503625.00
417	712667.00	7503619.00
418	712665.00	7503620.00
419	712664.00	7503621.00
420	712714.00	7503629.00
421	712664.00	7503444.00
422	712684.00	7503497.00
423	712685.00	7503497.00
424	712687.00	7503496.00
425	712688.00	7503496.00
426	712687.00	7503493.00
427	712665.00	7503441.00
428	712663.00	7503436.00
429	712599.00	7503412.00
430	712593.00	7503406.00

Table 14: Pilbara Leaf- nosed Bat foraging habitat to be cleared within K75W mine pit Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	703043.14	7508684.66
2	703057.81	7508172.87
3	703157.90	7508173.80
4	703201.02	7508227.73
5	703233.19	7508303.56
6	703295.24	7508406.98
7	703358.02	7508466.06
8	703438.61	7508428.65
9	703458.02	7508426.38
10	703500.78	7508505.11
11	703610.51	7508477.95

Coordinate number	Easting	Northing
12	703618.02	7508475.37
13	703627.35	7508473.78
14	703635.88	7508474.07
15	703644.44	7508475.75
16	703657.28	7508481.47
17	703709.92	7508510.30
18	703720.50	7508505.24
19	703872.18	7508303.28
20	703934.75	7508275.79
21	704046.59	7508315.37
22	704156.10	7508432.41

Coordinate number	Easting	Northing
23	704239.07	7508466.61
24	704396.64	7508474.40
25	704468.95	7508446.94
26	704487.74	7508463.65
27	704538.42	7508412.99
28	704589.98	7508269.14
29	704638.87	7508246.93
30	704683.27	7508284.02
31	704777.71	7508415.31
32	704839.20	7508445.00
33	704907.50	7508439.46
34	704984.94	7508402.47
35	705090.49	7508403.62
36	705184.94	7508348.18
37	705311.53	7508229.20
38	705208.15	7508120.36
39	705244.14	7508099.85
40	705276.76	7508045.68
41	705279.58	7507989.53
42	705257.08	7507933.09
43	705365.53	7507854.36
44	705537.55	7507810.99
45	705580.28	7507735.79
46	705743.65	7507659.50
47	705785.05	7507612.51
48	705781.48	7507557.81
49	705742.56	7507475.16
50	705698.04	7507405.59
51	705658.40	7507420.55
52	705621.10	7507355.38
53	705623.05	7507334.25
54	705576.47	7507228.14
55	705560.44	7507209.19
56	705558.71	7507207.13
57	705554.58	7507202.25
58	705554.41	7507202.14
59	705477.77	7507166.29
60	705477.53	7507166.20
61	705477.11	7507166.09
62	705467.49	7507163.81
63	705466.20	7507163.50
64	705464.55	7507163.11

Coordinate number	Easting	Northing
65	705463.19	7507162.79
66	705461.74	7507162.44
67	705454.31	7507160.68
68	705445.08	7507158.49
69	705431.48	7507155.26
70	705402.84	7507148.47
71	705396.99	7507147.08
72	705303.55	7507124.91
73	705296.95	7507123.34
74	705288.93	7507121.44
75	705278.16	7507118.88
76	705272.82	7507117.62
77	705267.13	7507116.26
78	705261.98	7507115.04
79	705261.66	7507114.96
80	705261.68	7507114.88
81	705266.15	7507105.93
82	705268.21	7507104.11
83	705268.58	7507103.84
84	705272.52	7507100.92
85	705279.30	7507098.37
86	705279.96	7507098.14
87	705289.51	7507094.77
88	705302.19	7507093.29
89	705314.38	7507091.87
90	705350.11	7507099.34
91	705416.56	7507114.06
92	705413.75	7507110.07
93	705406.74	7507100.12
94	705406.96	7507100.02
95	705407.21	7507100.13
96	705407.96	7507100.48
97	705410.15	7507101.57
98	705403.61	7507076.21
99	705457.36	7507040.90
100	705456.52	7507038.86
101	705456.22	7507038.28
102	705460.31	7507038.97
103	705458.65	7507030.97
104	705448.93	7507011.26
105	705444.32	7507001.70
106	705442.76	7506998.48

Coordinate number	Easting	Northing
107	705433.23	7506979.23
108	705430.10	7506967.07
109	705426.62	7506953.83
110	705421.66	7506934.92
111	705424.13	7506924.68
112	705431.37	7506894.66
113	705431.98	7506892.61
114	705435.85	7506878.23
115	705437.35	7506872.59
116	705437.39	7506872.48
117	705484.74	7506824.99
118	705484.97	7506824.76
119	705485.29	7506824.68
120	705545.93	7506808.85
121	705549.73	7506807.86
122	705549.98	7506807.92
123	705567.71	7506812.64
124	705567.72	7506812.64
125	705802.81	7506712.23
126	705839.54	7506636.14
127	705802.48	7506499.11
128	705877.85	7506444.96
129	705874.57	7506371.82
130	705885.07	7506355.79
131	705973.13	7506423.42
132	706069.36	7506337.78
133	705932.14	7506126.77
134	705898.32	7506049.29
135	705831.65	7506018.64
136	705782.36	7506020.53
137	705621.74	7506073.91
138	705647.23	7506084.30
139	705539.41	7506118.57
140	705480.51	7506077.42
141	705348.19	7506090.09
142	705323.58	7506120.29
143	705301.50	7506092.73
144	705257.10	7506166.39
145	705111.81	7506233.82
146	705022.44	7506208.52
147	704891.05	7506133.19
148	704804.09	7506106.34

Coordinate number	Easting	Northing
149	704793.37	7506136.30
150	704768.63	7506115.26
151	704731.25	7506154.10
152	704631.25	7506083.01
153	704600.56	7506171.96
154	704492.74	7506198.56
155	704452.26	7506175.78
156	704389.07	7506167.09
157	704301.74	7506194.78
158	704227.32	7506140.26
159	704208.32	7506171.55
160	704172.18	7506182.29
161	703950.44	7506125.40
162	703878.15	7506129.95
163	703786.81	7506071.02
164	703786.81	7505985.38
165	703552.89	7506157.88
166	703520.33	7506220.15
167	703490.88	7506367.78
168	703481.03	7506367.61
169	703476.33	7506463.60
170	703459.13	7506469.34
171	703509.70	7506607.73
172	703466.10	7506694.09
173	703388.70	7506707.88
174	703395.68	7506682.15
175	703308.79	7506712.30
176	703329.25	7506659.85
177	703145.96	7506759.71
178	703027.05	7506910.21
179	703073.33	7506903.60
180	703060.27	7506933.66
181	703091.09	7506931.70
182	703089.37	7506961.01
183	703110.19	7506968.30
184	703115.51	7506993.75
185	703117.38	7507023.48
186	703149.91	7507120.43
187	703153.53	7507138.93
188	703113.75	7507156.48
189	703054.67	7507104.69
190	703035.57	7507131.28

Coordinate number	Easting	Northing
191	703025.13	7507119.87
192	702970.30	7507203.42
193	702932.55	7507280.07
194	702915.80	7507271.80
195	702879.74	7507319.38
196	702853.72	7507310.97
197	702822.65	7507350.02
198	702796.03	7507329.61
199	702732.12	7507402.80
200	702676.25	7507486.12
201	702642.56	7507558.64
202	702664.50	7507597.91
203	702575.13	7507592.41
204	702532.35	7507604.82
205	702514.86	7507532.32
206	702405.90	7507521.63
207	702329.02	7507533.83
208	702305.00	7507557.52
209	702306.04	7507602.56
210	702278.07	7507581.71
211	702220.88	7507599.36
212	702226.02	7507610.84
213	702211.67	7507615.12
214	702216.69	7507663.73
215	702190.14	7507639.04
216	702124.99	7507657.56
217	702140.25	7507679.49
218	702063.94	7507710.46

Coordinate number	Easting	Northing
219	702035.24	7507747.53
220	702037.74	7507771.28
221	702013.39	7507787.91
222	701916.59	7507853.47
223	701889.76	7507886.84
224	701880.26	7507955.88
225	701878.94	7507971.92
226	701942.29	7508132.14
227	701888.40	7508166.67
228	701992.35	7508276.68
229	702004.63	7508273.06
230	701995.01	7508309.18
231	702037.67	7508316.39
232	702094.64	7508400.53
233	702170.20	7508428.73
234	702241.65	7508405.88
235	702260.18	7508420.88
236	702304.89	7508404.53
237	702316.77	7508419.38
238	702457.05	7508378.71
239	702488.74	7508444.96
240	702732.25	7508317.71
241	702880.60	7508633.09
242	702912.67	7508666.56
243	702970.29	7508691.94
244	703038.79	7508686.78
245	703043.14	7508684.66

Table 15: Pilbara Leaf- nosed Bat foraging habitat to be cleared within K58W mine pits Zone Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing
1	706905.86	7505547.54
2	706887.57	7505579.83
3	706844.54	7505680.60
4	706889.40	7505970.20
5	706932.05	7506046.16
6	706963.55	7506052.30
7	707011.01	7506136.54
8	707138.07	7506279.31

Coordinate number	Easting	Northing
9	707298.20	7506203.55
10	707358.54	7506146.69
11	707422.16	7506269.11
12	707492.62	7506352.39
13	707366.46	7506426.21
14	707399.00	7506552.96
15	707445.47	7506652.77
16	707493.33	7506686.31

Coordinate number	Easting	Northing
17	707702.09	7506667.20
18	708025.17	7506573.56
19	708018.23	7506598.24
20	707967.28	7506628.22
21	707940.48	7506715.18
22	707945.99	7506823.01
23	707987.88	7506820.97
24	708000.03	7506832.94
25	707892.67	7506878.78
26	707819.03	7506880.69
27	707813.15	7507012.51
28	707798.69	7507014.78
29	707946.83	7507360.83
30	708109.80	7507641.49
31	708231.28	7507666.56
32	708409.89	7507651.61
33	708483.39	7507660.92
34	708513.12	7507612.21
35	708555.25	7507617.22
36	708589.27	7507647.40
37	708610.28	7507690.23
38	708609.94	7507714.39
39	708632.68	7507717.47
40	708658.15	7507755.89
41	708726.73	7507787.27
42	708766.41	7507777.26
43	708955.77	7507700.83
44	708987.07	7507636.76
45	709036.23	7507593.67
46	709162.58	7507631.18
47	709227.98	7507605.01
48	709269.30	7507560.85
49	709292.94	7507591.41
50	709383.97	7507537.93
51	709393.33	7507472.15
52	709469.18	7507478.91
53	709548.23	7507446.09
54	709548.49	7507425.84
55	709725.70	7507482.40
56	709751.32	7507448.66
57	709923.53	7507360.66
58	710081.51	7507354.88

Coordinate number	Easting	Northing
59	710434.02	7507201.03
60	710533.91	7507154.03
61	710583.74	7506976.13
62	710882.57	7506881.99
63	710939.67	7506795.75
64	710929.22	7506698.93
65	711000.10	7506582.64
66	710998.97	7506531.54
67	710957.57	7506448.41
68	710883.40	7506365.20
69	710896.51	7506328.46
70	711001.88	7506265.44
71	711013.03	7506209.93
72	711062.77	7506164.14
73	711091.70	7506111.24
74	711115.02	7506040.34
75	711108.30	7505977.64
76	711081.76	7505941.12
77	711040.99	7505919.06
78	710985.68	7505924.43
79	710840.72	7505967.17
80	710641.26	7505937.82
81	710509.94	7505888.17
82	710391.33	7505898.32
83	710279.56	7505943.98
84	710173.27	7505968.44
85	710018.06	7505915.92
86	709933.65	7505855.20
87	709895.51	7505791.57
88	709898.77	7505559.95
89	709839.30	7505430.19
90	709779.89	7505374.39
91	709801.27	7505365.04
92	709725.87	7505228.63
93	709648.98	7505134.18
94	709567.56	7505040.72
95	709480.12	7504980.14
96	709491.26	7504967.82
97	709386.94	7504879.33
98	709335.55	7504898.79
99	709328.62	7504880.38
100	709120.56	7504967.77

Coordinate number	Easting	Northing
101	709101.21	7505026.06
102	709064.53	7505034.07
103	709010.30	7505075.81
104	708997.43	7505135.57
105	709021.73	7505216.83
106	709006.61	7505236.98
107	708918.84	7505278.29
108	708878.74	7505384.05
109	708887.39	7505536.27
110	708795.97	7505613.49
111	708779.26	7505682.99
112	708589.58	7505778.55
113	708593.00	7505799.99
114	708491.24	7505823.52
115	708440.17	7505794.66
116	708327.31	7505819.40
117	708262.07	7505820.19
118	708139.68	7505886.35
119	707858.76	7505794.29
120	707805.55	7505723.10
121	707806.24	7505631.85
122	707704.98	7505551.25
123	707621.26	7505519.15
124	707581.27	7505530.99
125	707502.61	7505577.22
126	707419.03	7505569.82
127	707351.50	7505541.11
128	707085.26	7505500.31
129	706945.79	7505508.29
130	706905.86	7505547.54
131	707136.10	7507317.00
132	707145.54	7507338.52
133	707146.25	7507350.50
134	707153.25	7507363.13
135	707152.31	7507368.54
136	707165.20	7507398.62
137	707183.43	7507440.21
138	707187.95	7507450.34
139	707208.08	7507493.07
140	707225.38	7507506.30
141	707233.31	7507512.16
142	707237.68	7507515.39

Coordinate number	Easting	Northing
143	707241.81	7507515.10
144	707258.09	7507543.28
145	707272.65	7507570.70
146	707277.71	7507579.80
147	707291.49	7507603.09
148	707293.84	7507607.12
149	707312.25	7507638.71
150	707323.74	7507657.61
151	707337.19	7507681.62
152	707352.01	7507707.79
153	707359.95	7507722.69
154	707368.60	7507741.64
155	707368.60	7507763.87
156	707395.64	7507789.30
157	707409.99	7507809.61
158	707423.74	7507824.80
159	707454.08	7507878.97
160	707496.71	7507858.18
161	707530.30	7507841.80
162	707575.18	7507819.92
163	707550.72	7507762.43
164	707543.40	7507720.88
165	707541.72	7507718.01
166	707541.45	7507714.24
167	707540.89	7507706.52
168	707540.56	7507696.93
169	707528.31	7507661.58
170	707526.38	7507657.11
171	707523.65	7507650.13
172	707513.14	7507622.10
173	707495.44	7507572.53
174	707492.80	7507565.38
175	707486.68	7507547.16
176	707482.96	7507537.09
177	707480.47	7507530.40
178	707475.53	7507517.03
179	707469.05	7507482.46
180	707468.08	7507477.31
181	707457.22	7507419.37
182	707448.16	7507391.90
183	707435.26	7507352.79
184	707433.59	7507347.72

Coordinate number	Easting	Northing
185	707432.59	7507344.68
186	707430.61	7507340.42
187	707420.82	7507319.21
188	707409.00	7507293.61
189	707402.31	7507279.14
190	707384.29	7507240.11
191	707381.89	7507234.93
192	707376.68	7507223.68
193	707372.52	7507214.98
194	707367.78	7507205.74
195	707365.57	7507201.41
196	707355.79	7507182.87
197	707347.89	7507168.54
198	707333.54	7507150.70
199	707312.94	7507125.10
200	707283.64	7507096.23
201	707276.23	7507100.28
202	707254.31	7507057.35
203	707201.66	7507081.76
204	707182.31	7507090.72
205	707173.77	7507095.15
206	707156.64	7507103.78
207	707150.20	7507107.08
208	707111.90	7507126.71
209	707103.00	7507151.82
210	707097.93	7507167.91
211	707091.81	7507187.33
212	707089.81	7507193.35
213	707081.49	7507219.66
214	707094.57	7507246.33
215	707103.33	7507264.23
216	707113.09	7507271.96
217	707115.54	7507273.89
218	707120.56	7507284.23
219	707134.06	7507312.78
220	707136.10	7507317.00
221	711128.44	7505597.79
222	711178.38	7505532.26
223	711178.38	7505465.42
224	711176.59	7505458.81
225	711179.02	7505457.38
226	711219.44	7505396.74

Coordinate number	Easting	Northing
227	711231.25	7505331.80
228	711187.66	7505244.42
229	711178.38	7505232.48
230	711152.51	7505215.67
231	711089.02	7505179.09
232	711058.18	7505099.02
233	711001.80	7505055.90
234	711001.80	7505047.90
235	710999.56	7505046.52
236	710984.00	7505008.97
237	711001.80	7504965.06
238	711001.80	7504936.82
239	711030.54	7504871.11
240	711040.86	7504868.69
241	711045.20	7504857.96
242	711046.94	7504769.00
243	711008.90	7504648.68
244	710953.14	7504585.26
245	710960.43	7504569.22
246	710905.34	7504539.57
247	710893.51	7504507.28
248	710912.21	7504448.33
249	710903.64	7504412.00
250	710936.42	7504408.61
251	710920.91	7504306.99
252	710874.53	7504227.17
253	710895.64	7504205.53
254	710778.07	7504146.31
255	710656.94	7504110.29
256	710408.32	7504193.40
257	710227.59	7504283.90
258	710232.51	7504357.61
259	710207.28	7504387.00
260	710184.94	7504440.40
261	710170.18	7504455.17
262	710110.84	7504533.20
263	710099.78	7504614.07
264	710107.39	7504673.94
265	710134.94	7504728.13
266	710197.39	7504795.07
267	710151.58	7504841.51
268	710109.27	7504920.41

Coordinate number	Easting	Northing
269	710098.51	7504922.38
270	710093.85	7504962.04
271	709969.45	7504930.47
272	709861.30	7505001.24
273	709830.40	7505188.41
274	709858.99	7505362.98
275	709871.05	7505375.52
276	709885.67	7505445.47

Coordinate number	Easting	Northing
277	709941.98	7505474.65
278	710074.10	7505487.86
279	710267.55	7505635.19
280	710577.73	7505735.69
281	710734.29	7505699.13
282	710825.76	7505718.83
283	710921.47	7505707.61
284	711128.44	7505597.79

Attachment 1 to Ministerial Statement 999

Change to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Schedule 1 and Table 2 of Schedule 2 of Ministerial Statement 999

Proposal: Koodaideri Iron Ore Mine and Infrastructure Project

Proponent: Mount Bruce Mining Pty Limited

Changes:

- Change the size of the Southern Infrastructure Corridor (SIC) development envelope from 12,003 ha to 5,465 ha. This involves:
 - Reduction of the Southern Infrastructure Corridor development envelope by 6,668 hectares (ha).
 - Addition of 130 ha to the Southern Infrastructure Corridor development envelope for the re-alignment of the power line and maintenance track.
- Update Figures 1, 2 and 5 and geographic coordinates as defined in Table 2 of Schedule 2.

Table 1: Summary of the Proposal

Proposal Title	Koodaideri Iron Ore Mine and Infrastructure Project
Short Description	The proposal is to construct and operate an open cut iron ore mine and associated infrastructure (railway, roads, administration buildings, accommodation camp, water supply infrastructure) for the extraction, processing and transport of iron ore. The proposal is located approximately 110 kilometres (km) west-north-west of Newman in the Pilbara region of Western Australia.

Table 2: Location and authorised extent of physical and operational elements

Physical Element	Location	Previously Authorised Extent	Authorised Extent
Mine and associated infrastructure	Figure 1 and Figure 2 and geographic coordinates as defined in Schedule 2	Clearing no more than 7,911 ha (including no more than 3,096 ha of the Marillana 2015 Area) within a 19,188 ha Mine/Plant Area Development Envelope.	Clearing no more than 7,911 ha (including no more than 3,096 ha of the Marillana 2015 Area) within a 19,188 ha Mine/Plant Area Development Envelope.
Railway infrastructure	Figure 1 and geographic coordinates as defined in Schedule 2	Clearing no more than 4,014 ha within a 34,697 ha Western Rail Corridor Development Envelope.	Clearing no more than 4,014 ha within a 34,697 ha Western Rail Corridor Development Envelope.
Power, water, communication	Figure 1 and Figure 2 and	Clearing no more than 246 ha within a 12,003	Clearing no more than 246 ha within a 5,465

towers and road infrastructure	geographic coordinates as defined in Schedule 2	ha Southern Infrastructure Corridor Development Envelope.	ha Southern Infrastructure Corridor Development Envelope.
Operational Element	Location	Previously Authorised Extent	Authorised Extent
Dewatering	Figure 2	The K58W mine pit will not be dewatered.	The K58W mine pit will not be dewatered.
Water supply	Figure 1	Water (up to 18 GL per year) will be supplied by groundwater abstraction during construction; and in-pit sump pumps, Waste Fines Storage Facility decant water and surplus water from Hamersley Iron Pty Limited's Yandicoogina mine during operation.	Water (up to 18 GL per year) will be supplied by groundwater abstraction during construction; and in-pit sump pumps, Waste Fines Storage Facility decant water and surplus water from Hamersley Iron Pty Limited's Yandicoogina mine during operation.
Surface water discharge		No off-site surface water discharges from mine pits (from dewatering) or from the Waste Fines Storage Facilities will occur, except under emergency circumstances (e.g. major rainfall or flood events).	No off-site surface water discharges from mine pits (from dewatering) or from the Waste Fines Storage Facilities will occur, except under emergency circumstances (e.g. major rainfall or flood events).

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Table 3: Abbreviations

Abbreviation	Term
CPI	Consumer Price Index
km	kilometre
ha	hectare
GL/a	Gigalitres per annum
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or delegate.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
Biennial	Every two years
GST	Goods and Services Tax
Approved Impact	The Impact Reconciliation Procedure for which the proponent has received written notification from the CEO that it meets the requirements of condition 14-4

Abbreviation	Term
Koodaideri Spring Gorge	Includes Koodaideri Spring, an unnamed creek and pools, its associated fauna habitat and vegetation including vegetation unit D38

Figures (attached)

- Figure 1 Proposal development envelopes (this figure is a representation of the coordinates shown in Tables 1-4 of Schedule 2)
- Figure 2 Mine Plant/Area development envelope including Pilbara Leaf-nosed Bat exclusion zones and troglofauna exclusion zones (this figure is a representation of the co-ordinates shown in Tables 5-11 of Schedule 2)
- Figure 3 *Lepidium catapycnon* (Hamersley Lepidium) buffers (this figure is a representation of the co-ordinates shown in Table 12 of Schedule 2)
- Figure 4 *Sauropus* sp. Koodaideri detritals buffers (this figure is a representation of the co-ordinates shown in Table 13 of Schedule 2)
- Figure 5 Pilbara Leaf-nosed Bat foraging habitat to be cleared within K75W and K58W mine pits (this figure is a representation of the co-ordinates shown in Tables 14-15 of Schedule 2)

Geographic Coordinates (attached)

Table 2 of Schedule 2 Southern Infrastructure Corridor Development envelope Co-ordinates



Robert Harvey
DEPUTY CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 6/9/2017

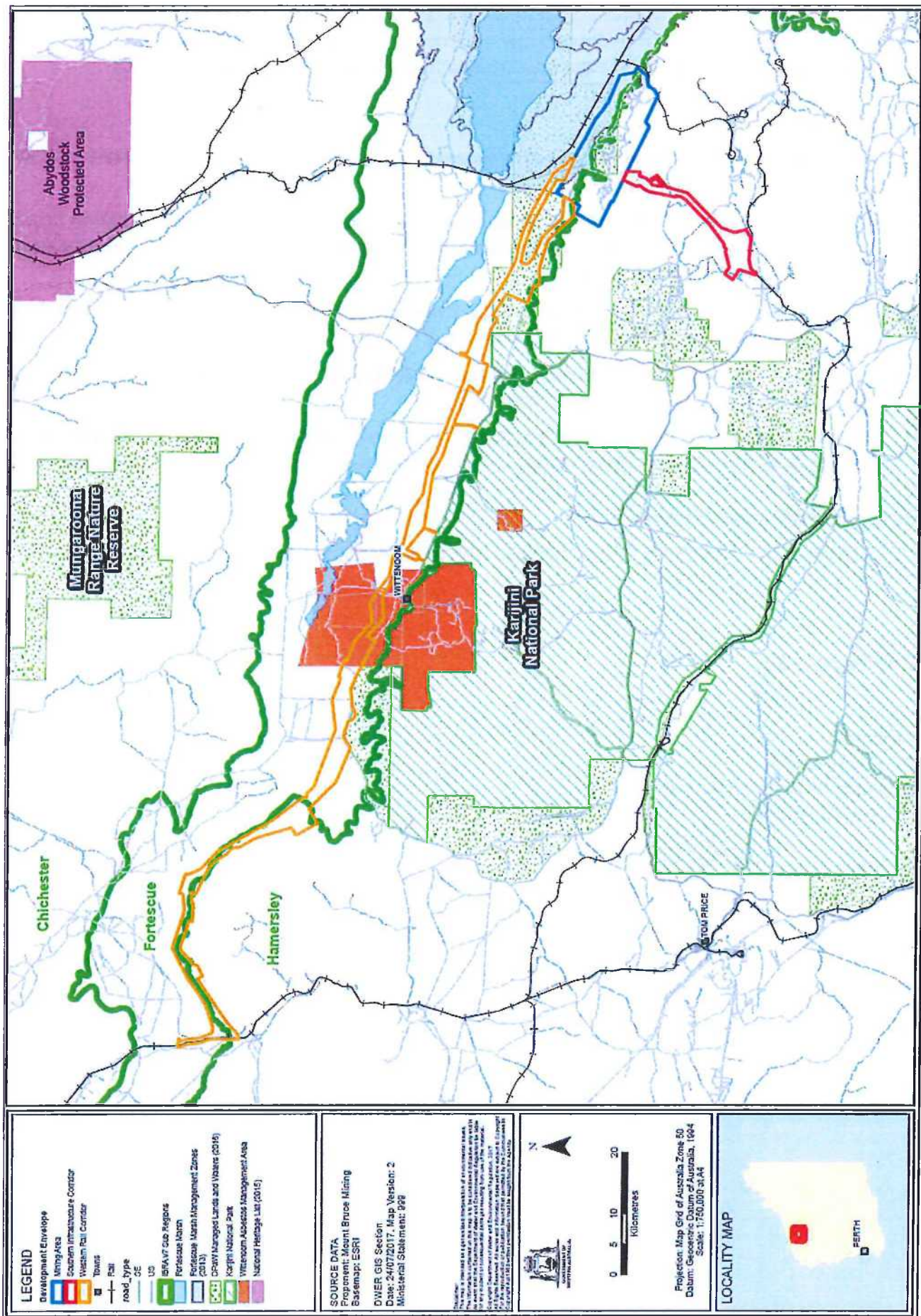


Figure 1 Proposal development envelopes (this figure is a representation of the coordinates shown in Tables 1-4 of Schedule 2)

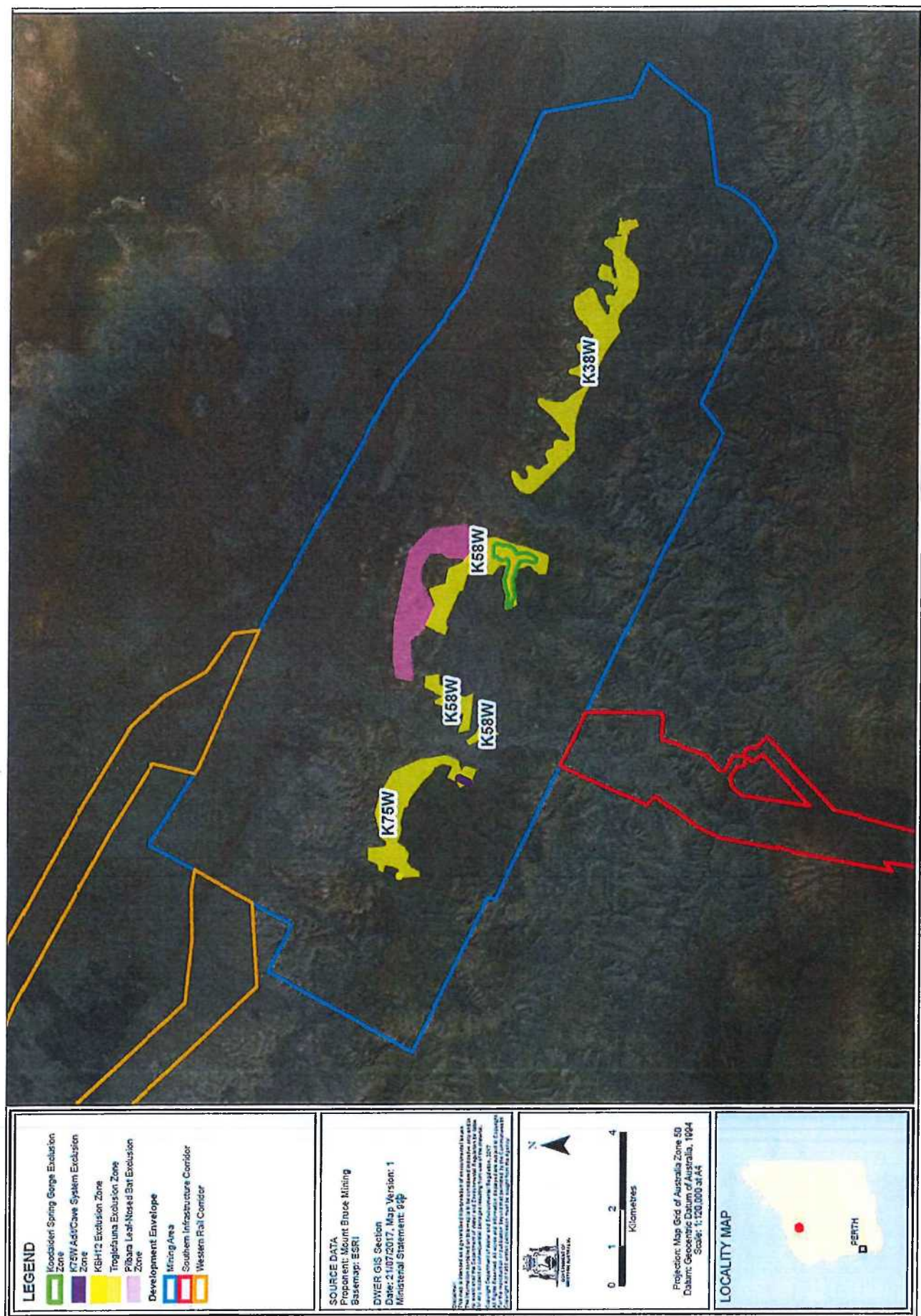


Figure 2 Mine Plant/Area development envelope including Pilbara Leaf-nosed Bat exclusion zones and troglotauna exclusion zones (this figure is a representation of the co-ordinates shown in Tables 5-11 of Schedule 2)

Figure 3 *Lepidium catapycnon* (Hamersley *Lepidium*) buffers (this figure is a representation of the co-ordinates shown in Table 12 of Schedule 2)

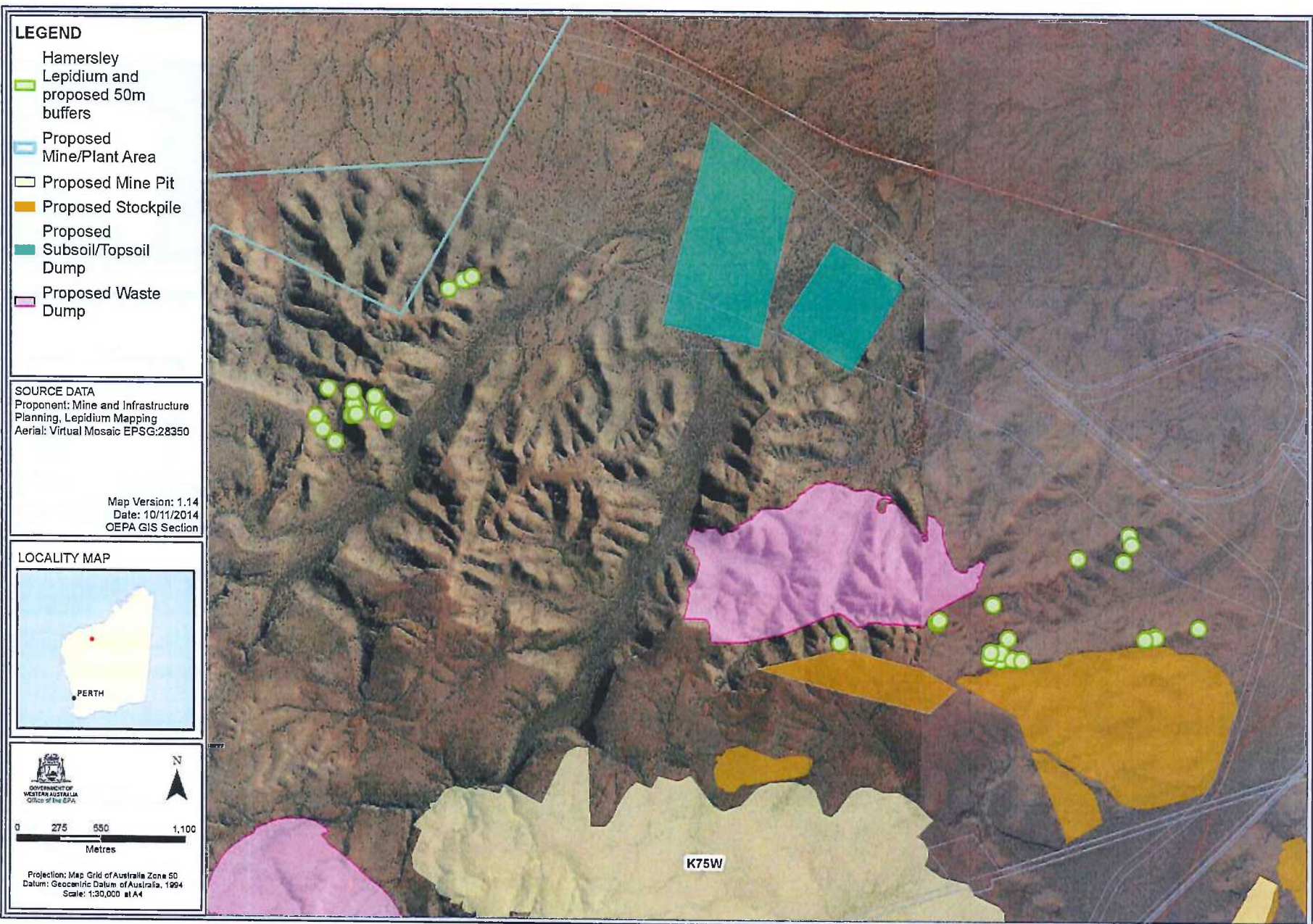


Figure 4 *Sauropus* sp. Koodaideri detritals buffers (this figure is a representation of the co-ordinates shown in Table 13 of Schedule 2)





Figure 5 Pilbara Leaf-nosed Bat foraging habitat to be cleared within K75W and K58W mine pits (this figure is a representation of the co-ordinates shown in Tables 14-15 of Schedule 2)

Table 2 of Schedule 2: Southern Infrastructure Corridor Development envelope Co-ordinates (MGA Zone 50)

Coordinate number	Easting	Northing	Coordinate number	Easting	Northing
1	707365.3132	7503785.997	37	696526.2251	7483413.054
2	707184.2015	7503873.459	38	697856.0984	7484260.402
3	705956.5272	7504466.389	39	697383.3394	7486188.749
4	705951.4890	7504468.818	40	698208.5835	7488365.856
5	704914.1123	7502157.089	41	703804.7741	7493918.016
6	705143.6024	7501942.172	42	703804.7411	7493915.336
7	705132.2644	7501909.479	43	703879.4402	7493989.441
8	704299.5908	7500787.667	44	704582.5222	7496547.281
9	704058.0947	7500249.497	45	704633.2671	7496590.892
10	703761.6319	7498741.194	46	704781.5521	7497245.338
11	703824.2096	7498757.341	47	706710.5932	7499047.132
12	703690.5032	7498379.318	48	706578.4947	7499188.563
13	703171.9138	7495740.935	49	706424.7510	7499327.585
14	703405.8237	7495934.725	50	706415.9609	7499569.185
15	703292.1300	7495182.588	51	706200.4805	7499645.240
16	702925.5775	7494460.195	52	706218.4399	7499865.445
17	702924.2664	7494453.607	53	706141.4320	7499972.593
18	702920.1599	7494449.528	54	705835.5029	7500120.273
19	702916.7874	7494442.879	55	705801.5713	7500253.616
20	698748.7193	7490305.571	56	706265.4083	7500708.594
21	698679.7840	7490237.085	57	706421.7495	7501217.660
22	695634.3051	7487962.278	58	706513.7731	7501367.529
23	695002.0880	7487808.389	59	706645.2613	7501775.486
24	694681.4153	7487481.386	60	707269.9995	7501729.996
25	694243.4785	7487623.727	61	707338.0277	7501767.988
26	693143.1283	7487355.881	62	706237.8919	7499152.980
27	693108.7679	7487255.522	63	706045.0051	7499421.346
28	693039.6018	7487335.926	64	706157.7753	7499525.274
29	691697.1866	7487014.291	65	706110.6255	7499600.559
30	690594.9233	7487741.603	66	705991.9184	7499601.769
31	689669.8138	7486404.275	67	705916.8070	7499717.995
32	691302.6064	7485320.276	68	705923.7747	7499806.547
33	690428.0439	7482624.075	69	705634.3621	7499992.809
34	690602.5507	7482475.805	70	705399.0009	7499946.769
35	691424.6696	7483450.196	71	705160.4322	7499696.809
36	692926.0977	7483738.688	72	704890.6116	7497894.556

All co-ordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geodetic Datum of Australia 1994 (GDA94)



**Minister for Environment; Disability Services; Electoral Affairs
Deputy Leader of the Legislative Council**

Our Ref: 62-24514

ATTACHMENT 2 TO STATEMENT 999

NOTICE OF CHANGES TO IMPLEMENTATION CONDITIONS

(section 46C of the *Environmental Protection Act 1986*)

KOODAIDERI IRON ORE MINE AND INFRASTRUCTURE PROJECT

Pursuant to section 46C(1)(b)(i) of the *Environmental Protection Act 1986*, the implementation conditions applying to the above proposal are changed in accordance with this Notice. I consider these changes to be of a minor nature and necessary to standardise and correct implementation conditions.

Yours sincerely

[signed 4 January 2021]

Hon Stephen Dawson MLC
MINISTER FOR ENVIRONMENT

1. Condition 14-2 is deleted, and replaced with:

14-2 The proponent's contribution to the strategic regional conservation initiative identified in condition 14-1 shall be paid biennially, the first payment due in the second year following the commencement of ground disturbance. The amount of funding will be made on the following basis and in accordance with the approved Impact Reconciliation Procedure required by condition 14-3:

- (1) \$1500 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation cleared within the Mine/Plant Area Development Envelope within the Fortescue IBRA subregion delineated in Figure 2 of Schedule 1 and defined by the geographic coordinates in Schedule 2;

- (2) \$3000 AUD (excluding GST) per hectare of all Pilbara Leaf-nosed Bat foraging habitat cleared within the K75W and K58W mine pits delineated in Figure 5 of Schedule 1 and defined by the geographic coordinates in Schedule 2;
- (3) \$1500 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation permanently cleared within the Rail Corridor Development Envelope within the Fortescue IBRA subregion delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2; and
- (4) \$750 AUD (excluding GST) per hectare of 'good to excellent' condition native vegetation permanently cleared within the Rail Corridor Development Envelope, Southern Infrastructure Corridor Development Envelope and Mine/Plant Area Development Envelope within the Hamersley IBRA subregion delineated in Figure 1 of Schedule 1 and defined by the geographic coordinates in Schedule 2.

Attachment 3 to Ministerial Statement 999

Amendment to proposal approved under section 45C of the
Environmental Protection Act 1986

This Attachment replaces Attachment 1 and Table 2 of Schedule 2 of Ministerial Statement 999

Proposal: Koodaideri Iron Ore Mine and Infrastructure Project

Proponent: Mount Bruce Mining Pty Limited

Changes:

- Increase the extent of the Southern Infrastructure Corridor development envelope from 5,465 ha to **6,122 ha** to facilitate the construction and operation of a water transfer pipeline for ongoing mining operations.
- Increase in the extent of vegetation clearing within the amended Southern Infrastructure Corridor development envelope from 246 ha to **384 ha**.
- Southern Infrastructure Corridor development envelope activities to include the construction and operation of a water transfer pipeline and associated infrastructure.
- Update Figure 1 and geographic coordinates as defined in Table 2 of Schedule 2.

Table 1: Summary of the proposal

Proposal title	Koodaideri Iron Ore Mine and Infrastructure Project
Short description	The proposal is to construct and operate an open cut iron ore mine and associated infrastructure (railway, roads, administration buildings, accommodation camp, water supply infrastructure) for the extraction, processing and transport of iron ore. The proposal is located approximately 110 kilometres (km) west-north-west of Newman in the Pilbara region of Western Australia.

Table 2: Location and authorised extent of physical and operational elements

Physical Element	Location	Previously authorised extent	Authorised extent
Mine and associated infrastructure	Figure 1 and Figure 2 and geographic coordinates as defined in Schedule 2	Clearing no more than 7,911 ha (including no more than 3,096 ha of the Marillana 2015 Area) within a 19,188 ha Mine/Plant Area Development Envelope.	Clearing no more than 7,911 ha (including no more than 3,096 ha of the Marillana 2015 Area) within a 19,188 ha Mine/Plant Area Development Envelope.

Physical Element	Location	Previously authorised extent	Authorised extent
Railway infrastructure	Figure 1 and geographic coordinates as defined in Schedule 2	Clearing no more than 4,014 ha within a 34,697 ha Western Rail Corridor Development Envelope.	Clearing no more than 4,014 ha within a 34,697 ha Western Rail Corridor Development Envelope.
Power, water, communication towers and road infrastructure	Figure 1 and Figure 2 and geographic coordinates as defined in Schedule 2	Clearing no more than 246 ha within a 5,465 ha Southern Infrastructure Corridor Development Envelope.	Clearing no more than 384 ha within a 6,122 ha Southern Infrastructure Corridor Development Envelope.
Operational Element	Location	Previously authorised extent	Authorised extent
Dewatering	Figure 2	The K58W mine pit will not be dewatered.	The K58W mine pit will not be dewatered.
Water supply	Figure 1	Water (up to 18 GL per year) will be supplied by groundwater abstraction during construction; and in-pit sump pumps, Waste Fines Storage Facility decant water and surplus water from Hamersley Iron Pty Limited's Yandicoogina mine during operation.	Water (up to 18 GL per year) will be supplied by groundwater abstraction during construction; and in-pit sump pumps, Waste Fines Storage Facility decant water and surplus water from Hamersley Iron Pty Limited's Yandicoogina mine during operation.
Surface water discharge		No off-site surface water discharges from mine pits (from dewatering) or from the Waste Fines Storage Facilities will occur, except under emergency circumstances (e.g. major rainfall or flood events).	No off-site surface water discharges from mine pits (from dewatering) or from the Waste Fines Storage Facilities will occur, except under emergency circumstances (e.g. major rainfall or flood events).

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Table 3: Abbreviations

Abbreviation	Term
CPI	Consumer Price Index
km	kilometre
ha	hectare
GL/a	Gigalitres per annum

Abbreviation	Term
CEO	The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the <i>Environmental Protection Act 1986</i> , or delegate.
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
Biennial	Every two years
GST	Goods and Services Tax
Approved impact	The Impact Reconciliation Procedure for which the proponent has received written notification from the CEO that it meets the requirements of condition 14-4
Koodaideri Spring Gorge	Includes Koodaideri Spring, an unnamed creek and pools, its associated fauna habitat and vegetation including vegetation unit D38

Figures (attached)

- Figure 1: Proposal development envelopes (this figure is a representation of the coordinates shown in Tables 1-4 of Schedule 2)
- Figure 2: Mine Plant/Area development envelope including Pilbara Leaf-nosed Bat exclusion zones and troglodfauna exclusion zones (this figure is a representation of the coordinates shown in Tables 5-11 of Schedule 2)
- Figure 3: *Lepidium catapycnon* (Hamersley Lepidium) buffers (this figure is a representation of the coordinates shown in Table 12 of Schedule 2)
- Figure 4: *Sauropus* sp. Koodaideri detritals buffers (this figure is a representation of the coordinates shown in Table 13 of Schedule 2)
- Figure 5: Pilbara Leaf-nosed Bat foraging habitat to be cleared within K75W and K58W mine pits (this figure is a representation of the coordinates shown in Tables 14-15 of Schedule 2)

Geographic coordinates

Table 2 of Schedule 2 – Spatial data and coordinates depicting the Southern Infrastructure Corridor Development Envelope are held by the Department of Water and Environmental Regulation (Record no. DWERDT654010).

[Signed 7 March 2024]

Prof Matthew Tonts

CHAIR

Environmental Protection Authority
under delegated authority

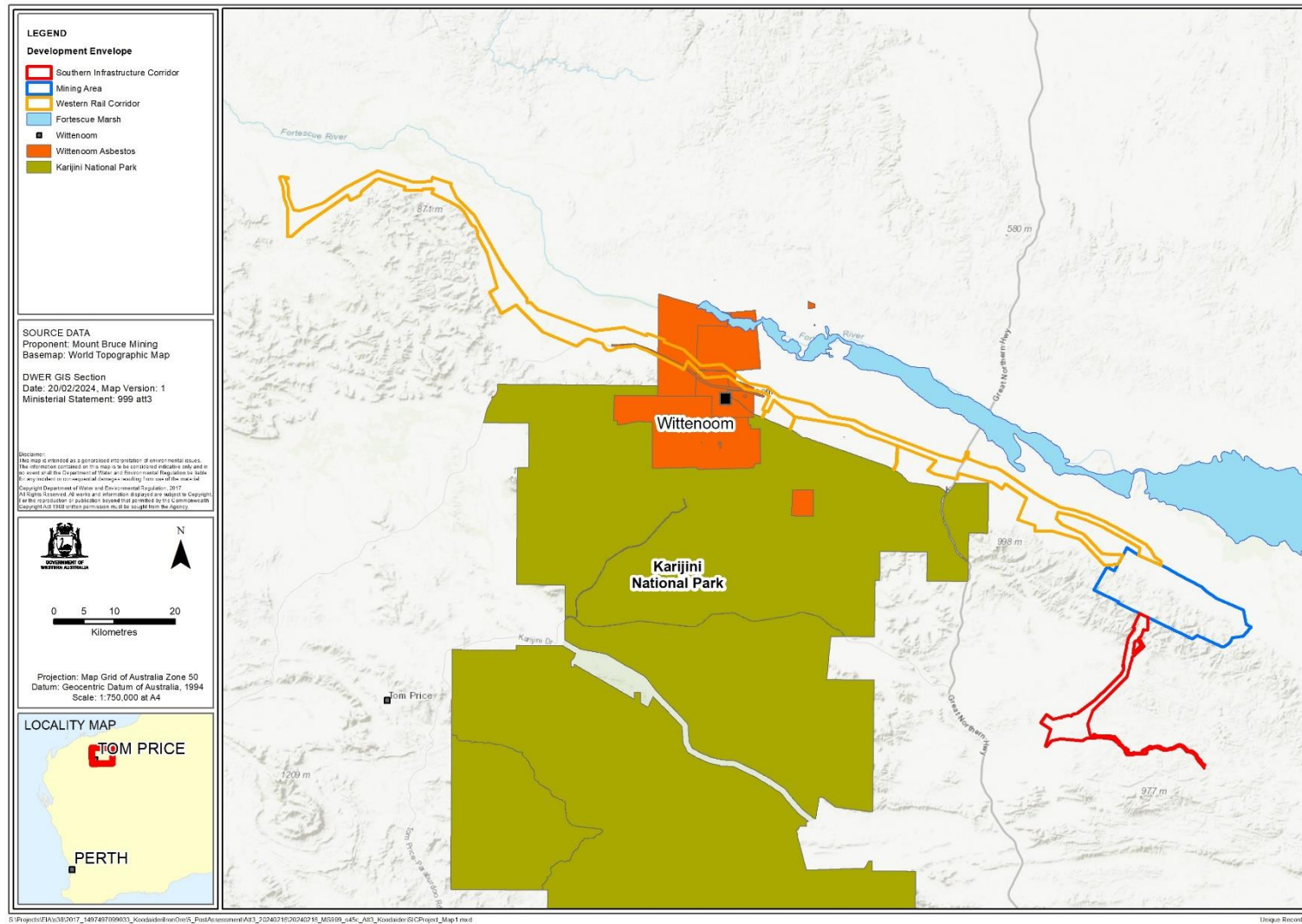


Figure 1: Proposal development envelopes (this figure is a representation of the coordinates shown in Tables 1-4 of Schedule 2)

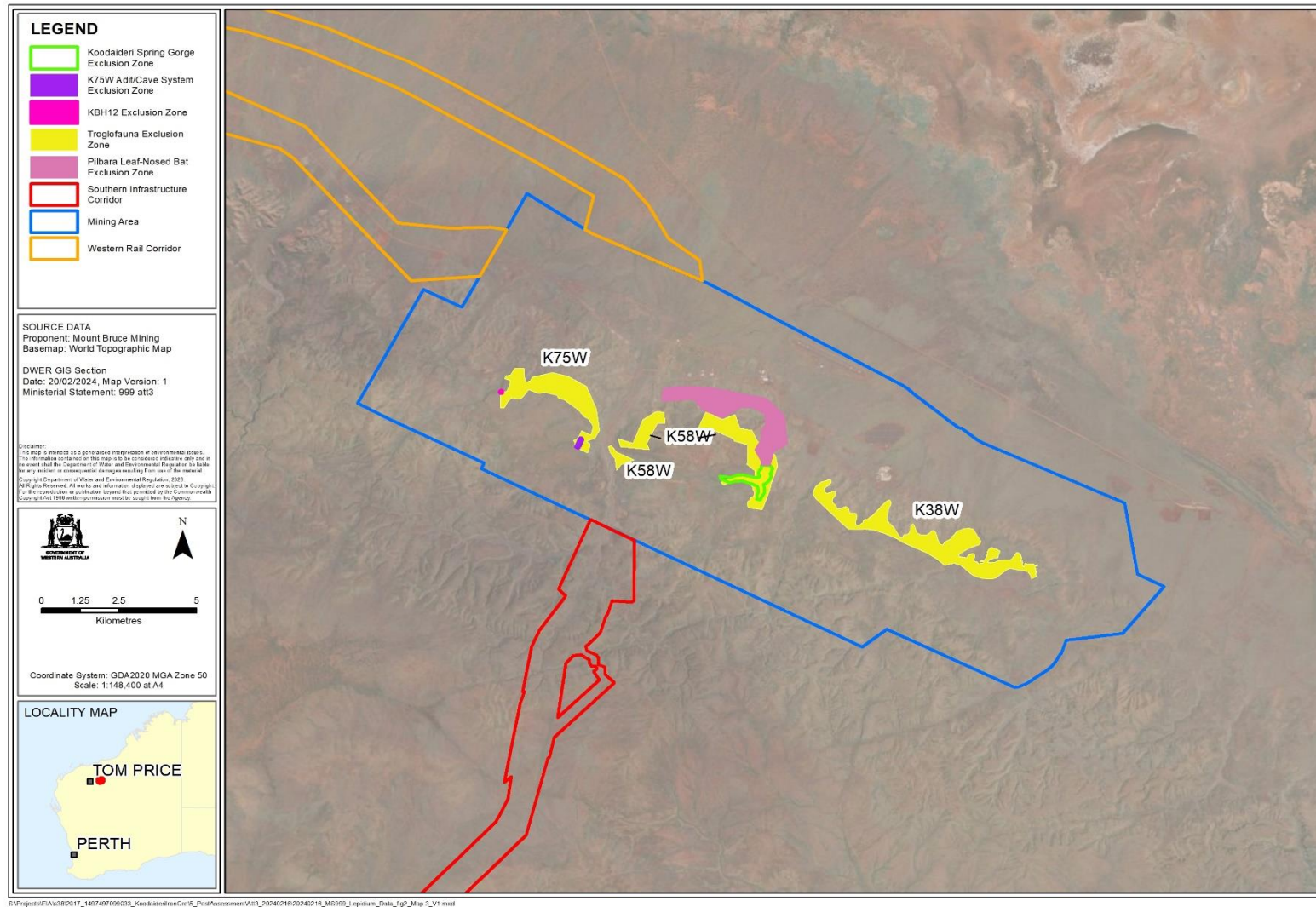


Figure 2: Mine Plant/Area development envelope including Pilbara Leaf-nosed Bat exclusion zones and troglafauna exclusion zones (this figure is a representation of the coordinates shown in Tables 5-11 of Schedule 2)

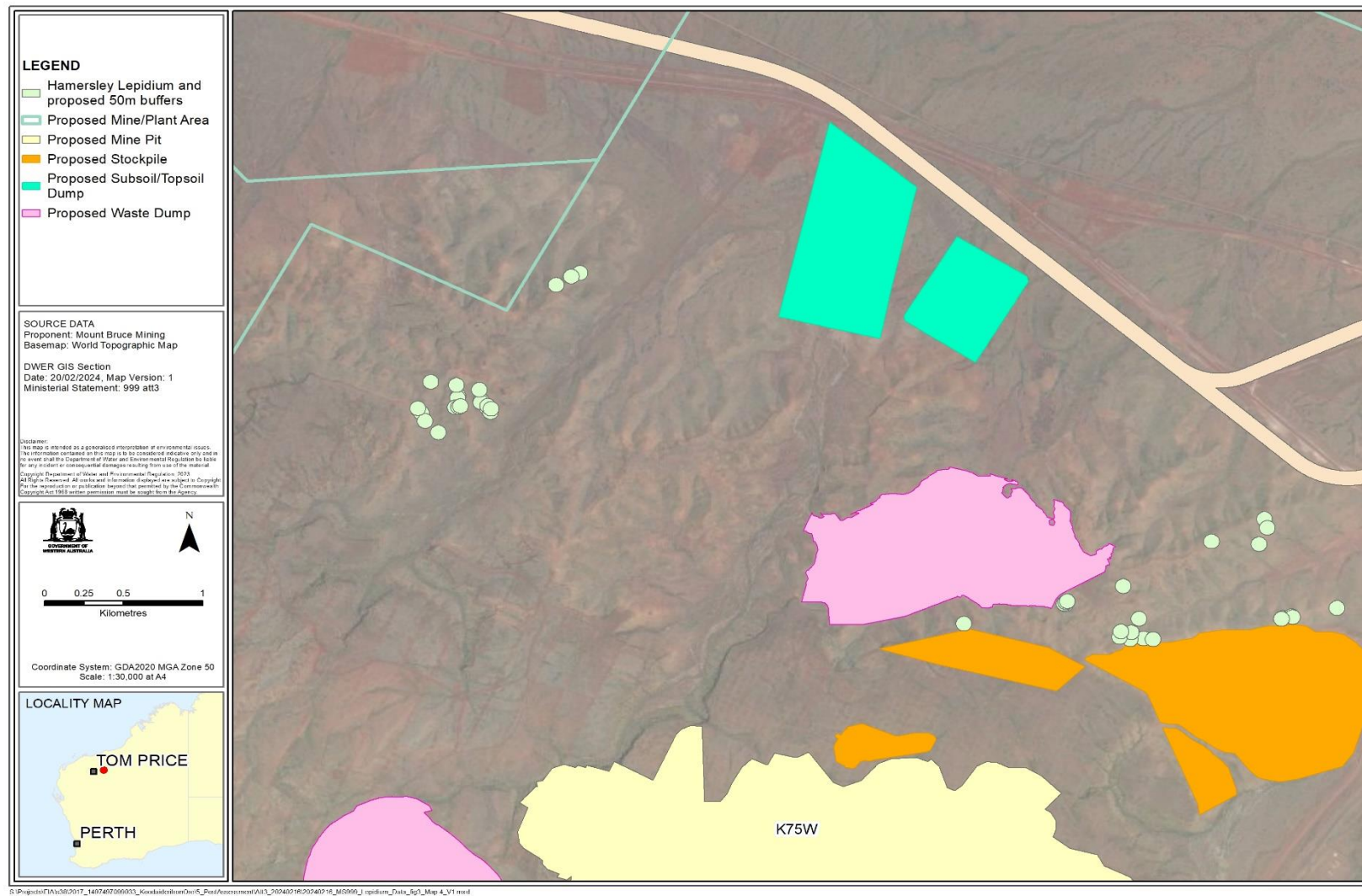


Figure 3: *Lepidium catapycnon* (Hamersley Lepidium) buffers (this figure is a representation of the coordinates shown in Table 12 of Schedule 2)

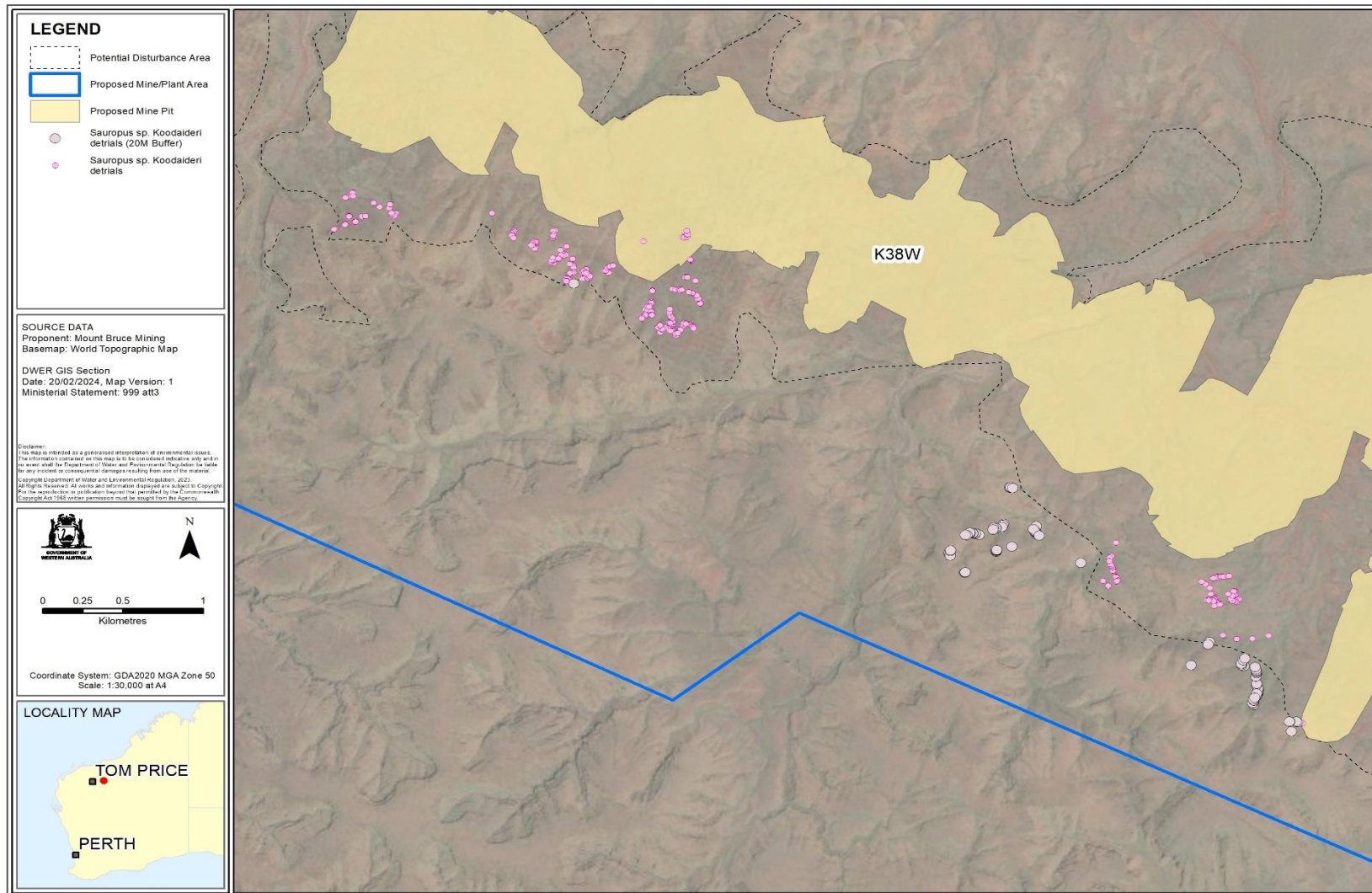


Figure 4: *Sauropus* sp. Koodaideri detritals buffers (this figure is a representation of the coordinates shown in Table 13 of Schedule 2)

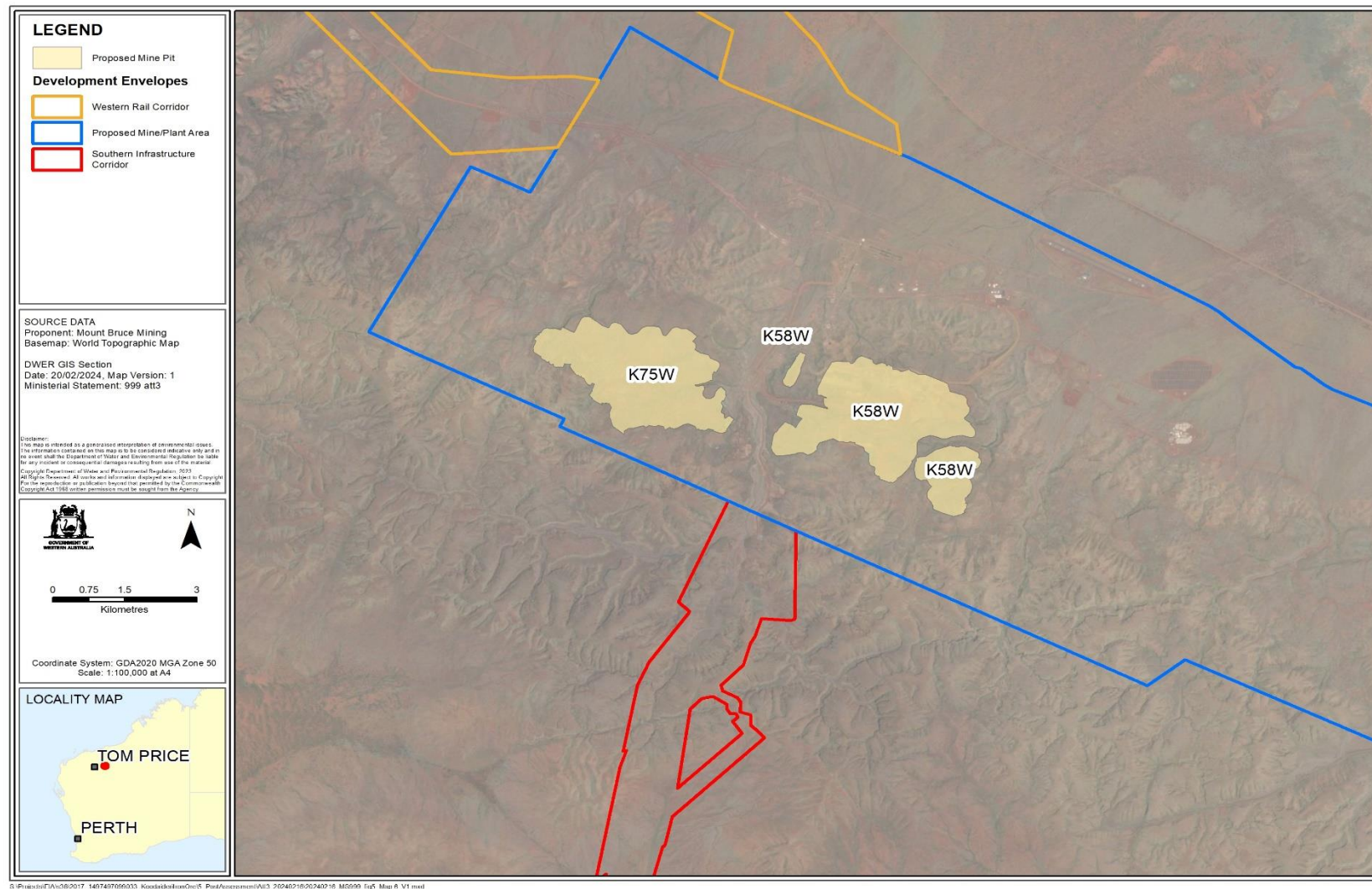


Figure 5: Pilbara Leaf-nosed Bat foraging habitat to be cleared within K75W and K58W mine pits (this figure is a representation of the coordinates shown in Tables 14-15 of Schedule 2)