

## ASX RELEASE

9 January 2017

# Toro secures environmental approval for Wiluna

Toro Energy Limited (**ASX:TOE**) ("the Company" or "Toro") is pleased to confirm that the Western Australian Minister for Environment; Heritage, the Hon. Albert Jacob MLA, has approved a revised proposal for the 100% owned Wiluna Uranium Project in Western Australia.

The Minister's consent is documented in Ministerial Statement 1051 ("**MS 1051**") and is attached to this announcement.

MS 1051 consolidates into one revised proposal the previous Western Australian government approval to mine the Centipede and Lake Way deposits, establish a processing plant at the Centipede mine site and associated infrastructure (MS 913) with approvals to mine the Millipede (located adjacent to Centipede) and Lake Maitland deposits, construct a haul road between Lake Maitland and the approved processing facility at Centipede and develop associated infrastructure (Extension to the Wiluna Uranium Project).



The assessment of the Extension to the Wiluna Uranium Project was progressed through a rigorous, comprehensive and professional public environmental review process coordinated by the Office of the Environmental Protection Authority ("OEPA"). The assessment included the consideration of substantive

scientific studies addressing key environmental factors identified by both government and the community. The process included the submission of an Environmental Scoping Document and a two week public comment period, a Public Environmental Review report and a 12 week public comment period, a response to public comments from Toro to the OEPA and an appeals process to EPA Report 1580 and its recommended environmental conditions that included further consultation with appellants and Toro.

Ministerial consent represents the State government's primary environmental approval. Commencement of the project is now subject to meeting the conditions of Ministerial Statement 1051 with various government agencies pursuant to ordinary mining approval practises.

Toro will now seek to complete the federal government assessment process under the EPBC Act by March 2017.

This is the announcement that was referred to in Toro's request for a trading halt on 9 January 2017.

**ENDS**

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**Hon Albert Jacob MLA**  
**Minister for Environment; Heritage**

Statement No. 1051

**STATEMENT THAT A REVISED PROPOSAL MAY BE IMPLEMENTED**  
**(*Environmental Protection Act 1986*)**

**REVISED WILUNA URANIUM PROPOSAL**

**Revised Proposal:** The proposal is to construct and operate a uranium mine consisting of four deposits: Centipede, Millipede, Lake Way and Lake Maitland and includes the construction of roads, power and water source and supply facilities, in pit tailings storage facilities (TSF), accommodation and other associated infrastructure.

The proposal is a revision of the Wiluna Uranium Project, the subject of Ministerial Statement 913.

**Proponent:** Toro Energy Ltd  
Australian Company Number 117 127 590

**Proponent Address:** Level 3, 33 Richardson Street, West Perth WA  
6005

**Assessment Number:** 2002

**Report of the Environmental Protection Authority:** 1580

**Previous Report of the Environmental Protection Authority:** 1437

**Previous Statement Number:** 913

Pursuant to section 45, read with section 45B of the *Environmental Protection Act 1986* (EP Act), it has been agreed that:

1. The revised proposal described and documented in Schedule 1 may be implemented;
2. the implementation of the revised proposal, being the Wiluna Uranium Project as amended, is subject to the following implementation conditions; and
3. from the date of this statement each of the implementation conditions in Statement 913 no longer apply in relation to the revised proposal.

Published on:

## **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 five (5) years from the date on this Statement, and any commencement, prior to this date, must be substantial.
- 3-2 Any commencement of implementation of the proposal, on or before 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 Reports 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 otherwise 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 Plans and Reports**

- 5-1 Subject to condition 5-2, within a reasonable time period approved in writing 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 in writing by the CEO, all environmental plans and reports required under this Statement.
- 5-2 If any parts of the plans and reports 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 those parts of the plans or reports publicly available. In making such a request, the proponent shall provide the CEO with an explanation and reasons why those parts of the plans or reports should not be made publicly available.

## **6 Management-based Condition Environmental Management Plans**

6-1 The proponent shall prepare and submit Condition Environmental Management Plans:

- (1) Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, to demonstrate that the environmental objectives in conditions 7-1, 10-1, 12-1, 14-1, 15-1 and 16-1 will be met.

6-2 The Condition Environmental Management Plan(s) shall:

- (1) specify the **environmental objectives** to be achieved, as specified in conditions 7-1, 10-1, 12-1, 14-1, 15-1 and 16-1;
- (2) specify risk-based **management actions** that will be implemented to demonstrate compliance with the environmental objectives specified in 7-1, 10-1, 12-1, 14-1, 15-1 and 16-1. Failure to implement one or more of the management actions represents non-compliance with these conditions;
- (3) specify measurable **management target(s)** to determine the effectiveness of the risk-based management actions;
- (4) specify **monitoring** to measure the effectiveness of management actions against management targets, including but not limited to, parameters to be measured, baseline data, monitoring locations, and frequency and timing of monitoring;
- (5) specify a process for **revision** of management actions and changes to proposal activities, in the event that the management targets are not achieved. The process shall include an investigation to determine the cause of the management target(s) being exceeded;
- (6) provide the format and timing to demonstrate that 7-1, 10-1, 12-1, 14-1, 15-1 and 16-1 have been met for the reporting period in the Compliance Assessment Report required by condition 4-6 including, but not limited to:
  - (a) verification of the implementation of management actions; and
  - (b) reporting on the effectiveness of management actions against management target(s).

6-3 After receiving notice in writing from the CEO that the Condition Environmental Management Plan(s) satisfies the requirements of condition 6-2 for conditions 7-1,10-1, 12-1, 14-1, 15-1 and 16-1, the proponent shall:

- (1) implement the provisions of the Condition Environmental Management Plan(s); and
- (2) continue to implement the Condition Environmental Management Plan(s) until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in conditions 7-1,10-1, 12-1, 14-1, 15-1 and 16-1 have been met.

6-4 In the event that monitoring, tests, surveys or investigations indicate exceedance of management target(s) specified in the Condition Environmental Management Plan(s), the proponent shall:

- (1) report the exceedance in writing to the CEO within 21 days of the exceedance being identified;
- (2) investigate to determine the cause of the management targets being exceeded;
- (3) provide a report to the CEO within 90 days of the exceedance being reported as required by condition 6-4(1). The report shall include:
  - (a) cause of management targets being exceeded;
  - (b) the findings of the investigation required by conditions 6-4(2);
  - (c) details of revised and/or additional management actions to be implemented to prevent exceedance of the management target(s); and
  - (d) relevant changes to proposal activities.

6-5 In the event that one or more management actions specified in the Condition Environmental Management Plan(s) have not been implemented, the proponent shall:

- (1) report the failure to implement management action/s in writing to the CEO within 7 days of becoming aware of the failure;
- (2) investigate to determine the cause of the management action(s) not being implemented;
- (3) investigate to provide information for the CEO to determine potential environmental harm or alteration of the environment that occurred due to the failure to implement management actions;

- (4) provide a report to the CEO within 21 days of the reporting required by condition 6-5(1). The report shall include:
  - (a) cause for failure to implement management actions;
  - (b) the findings of the investigation required by conditions 6-5(2) and 6-5(3);
  - (c) relevant changes to proposal activities; and
  - (d) measures to prevent, control or abate the environmental harm which may have occurred.

6-6 The proponent:

- (1) may review and revise the Condition Environmental Management Plan(s), or
- (2) shall review and revise the Condition Environmental Management Plan(s) as and when directed by the CEO.

6-7 The proponent shall implement the latest revision of the Condition Environmental Management Plan(s), which the CEO has confirmed by notice in writing, satisfies the requirements of condition 6-2.

## **7 Flora and Vegetation**

7-1 The proponent shall manage the implementation of the proposal to meet the following **environmental objective**:

- (1) minimise direct and indirect impacts on Conservation significant flora and Conservation significant vegetation as far as practicable.

7-2 The proponent shall consult with the Department of Parks and Wildlife and prepare a Flora and Vegetation Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objective required by condition 7-1.

7-3 The plan required by condition 6-1 shall include provisions required by condition 6-2 to address the following:

- (1) identification of potential-impact monitoring and control sites;
- (2) design of a survey to acquire baseline biotic and environmental data;
- (3) definition of health and abundance parameters; and
- (4) a detailed survey plan for Tecticornia to identify further conservation-significant flora populations and occurrences of conservation-significant vegetation outside the Development Envelope.



- 7-4 The proponent shall continue to implement the version of the Plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to meet the objective required by condition 7 -1.

**8 *Tecticornia aff. halocnemoides s. l.* 'large ovate seed aggregate' exclusion zone**

- 8-1 The proponent shall not disturb *Tecticornia aff. halocnemoides s. l.* 'large ovate seed aggregate' individuals located in the area shown in Figure 3 unless condition 8-3 applies.
- 8-2 Subject to 8-3, the proponent shall not undertake ground disturbance within a 50 m buffer around the *Tecticornia aff. halocnemoides s. l.* 'large ovate seed aggregate' individuals as shown in Figure 3 and delineated by coordinates in Schedule 2.
- 8-3 Ground disturbance may only occur within the *Tecticornia aff. halocnemoides s. l.* 'large ovate seed aggregate' buffer area as shown in Figure 3 and delineated by coordinates in Schedule 2 when:
- (1) the CEO on advice of Department of Parks and Wildlife is satisfied that a viable population of *Tecticornia aff. halocnemoides s. l.* 'large ovate seed aggregate' has been found outside the Development Envelope as shown on Figure 3; and
  - (2) the proponent has received the prior written advice of the CEO that ground disturbance may occur within the buffer area.

**9 *Tecticornia aff. sp. Burnerbinmah* (inflated fruit) exclusion zone**

- 9-1 The proponent shall not disturb the *Tecticornia aff. sp. Burnerbinmah* (inflated fruit) located in the area shown in Figure 3 unless condition 9-3 applies.
- 9-2 Subject to 9-3, the proponent shall not undertake ground disturbance within a 80 m buffer around the *Tecticornia aff. sp. Burnerbinmah* (inflated fruit) individual as shown in Figure 3 and delineated by coordinates in Schedule 2.
- 9-3 Ground disturbance may only occur within the *Tecticornia aff. sp. Burnerbinmah* (inflated fruit) buffer area as shown in Figure 3 and delineated by coordinates in Schedule 2 when:
- (1) the CEO on advice of Department of Parks and Wildlife is satisfied that a viable population of *Tecticornia aff. sp. Burnerbinmah* (inflated fruit) has been found outside the Development Envelope as shown on Figure 3; and
  - (2) the proponent has received the prior written advice of the CEO that ground disturbance may occur within the buffer area.

## **10 Subterranean Fauna**

10-1 The proponent shall manage the implementation of the proposal to meet the following **environmental objectives**:

- (1) minimise direct and indirect impact on conservation-significant subterranean fauna species and their habitat as far as practicable; and
- (2) improve knowledge of subterranean fauna in the Wiluna region.

10-2 The proponent shall consult with the Department of Parks and Wildlife and prepare a Subterranean Fauna Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives required by condition 10-1.

10-3 The plan required by condition 6-1 shall include provisions required by condition 6-2 to address the following in relation to the Hinkler Well calcrete groundwater assemblage type, Uramurdah calcrete groundwater assemblage type, Lake Violet South and Lake Violet calcrete groundwater assemblage type and Barwidgee calcretes groundwater assemblage type both within and outside the area of impact of the proposal:

- (1) location of dewatering, production and monitoring bores;
- (2) collection of baseline data for both water quality and absolute water levels at the monitoring bore locations;
- (3) a detailed monitoring program for both water quality and groundwater levels;
- (4) sampling, identification and reporting;
- (5) a detailed survey plan for subterranean fauna to identify the presence of potentially restricted species outside the Development Envelope; and
- (6) a detailed investigation program to define the parameters of subterranean fauna (stygo fauna and troglodyte fauna) habitat and connectivity.

10-4 The proponent shall continue to implement the version of the plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to meet the objectives required by condition 10-1.

## **11 Groundwater Drawdown**

11-1 The proponent shall manage the implementation of the proposal to meet the following **environmental outcomes**:

- (1) no adverse impact to inferred groundwater dependent vegetation or subterranean fauna habitat outside the predicted 0.5 m groundwater drawdown contours as shown in Figure 2.

- (2) avoid adverse impacts to the quality and hydrological regimes of groundwater as far as practicable; and
  - (3) through the design and implementation of a suitable groundwater barrier system around mining areas, minimise impacts of groundwater dewatering and abstraction on subterranean fauna, and inferred groundwater dependant vegetation as far as practicable.
- 11-2 The proponent shall consult with the Department of Water and the Department of Parks and Wildlife and prepare a Groundwater Drawdown Management and Monitoring Plan (Operating Strategy) to meet the outcomes of condition 11-1.
- 11-3 The plan required by condition 11-2 shall:
- (1) specify the **environmental outcome** to be achieved, as specified in condition 11-1;
  - (2) specify **trigger criteria** that must provide an early warning that the threshold criteria identified in condition 11-3(3) may not be met;
  - (3) specify **threshold criteria** to demonstrate compliance with the environmental outcome specified in condition 11-1. Exceedance of the threshold criteria represents non-compliance with these conditions;
  - (4) specify **monitoring and analysis** to determine if trigger criteria and threshold criteria are exceeded;
  - (5) specify **trigger level actions** to be implemented in the event that trigger criteria have been exceeded;
  - (6) specify **threshold contingency actions** to be implemented in the event that threshold criteria are exceeded;
  - (7) provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that condition 11-1 has been met over the reporting period in the Compliance Assessment Report required by condition 4-6.
  - (8) provide the location of monitoring sites for groundwater (production and monitoring bores);
  - (9) detail a monitoring program for groundwater quality and levels;
  - (10) detail a monitoring program for seepage of tailings constituents into the groundwater from dewatering of pits and the reinjection of water in to the aquifer on the advice of the Department of Mines and Petroleum.
- 11-4 After receiving notice in writing from the CEO that the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy) satisfies

the requirements of condition 11-2, the proponent shall, prior to the commencement of groundwater drawdown:

- (1) implement the provisions of the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy) and
- (2) continue to implement the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy) until the CEO has confirmed by notice in writing that the proponent has demonstrated the outcome specified in condition 11-1 has been met.

11-5 In the event that monitoring indicates exceedance of trigger criteria and/or threshold criteria specified in the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy), the proponent shall:

- (1) report the exceedance in writing within seven (7) days of the exceedance being identified;
- (2) immediately implement the trigger level actions and/or threshold contingency actions specified in the Condition Environmental Management Plan(s) and continue implementation of those actions until the trigger criteria and/or threshold criteria are being met and implementation of the trigger level actions and/or threshold contingency actions are no longer required;
- (3) investigate to determine the cause of the trigger criteria and/or threshold criteria being exceeded;
- (4) identify additional measures required to prevent the trigger and/or threshold criteria being exceeded in the future;
- (5) investigate to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded; and
- (6) provide a report to the CEO within ninety (90) days of the exceedance being reported. The report shall include:
  - (a) details of trigger level actions or threshold contingency actions implemented;
  - (b) the effectiveness of the trigger level actions or threshold contingency actions implemented, monitored and measured against trigger criteria and threshold criteria;
  - (c) the findings of the investigations required by condition 11-5(3) and 11-5(5);
  - (d) additional measures to prevent the trigger or threshold criteria being exceeded in the future; and

- (e) measures to prevent, control or abate the environmental harm which may have occurred.

11-6 The proponent:

- (1) may review and revise the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy), or
- (2) shall review and revise the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy) as and when directed by the CEO.

11-7 The proponent shall implement the latest revision of the Groundwater Drawdown Management and Monitoring Plan (Operating Strategy), which the CEO has confirmed by notice in writing, satisfies the requirements of condition 11-2.

## **12 Surface Water**

12-1 The proponent shall manage the implementation of the proposal to meet the following **environmental objectives**:

- (1) avoid impacts to the quality and hydrological regimes of surface waters as far as practicable; and
- (2) prevent surface water contamination from, among other things, water contact with workings from diversion of creek lines.

12-2 The proponent shall consult with the Department of Water and the Department of Mines and Petroleum and prepare a Surface Water Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives required by condition 12-1.

12-3 The plan required by condition 6-1 shall include provisions required by condition 12-2 to address the following:

- (1) operational procedures that ensure water flow through creek line diversions made from previous workings does not become contaminated by contact with workings;
- (2) a monitoring regime for surface water quality using ANZECC 2000 (and any subsequent approved revisions);
- (3) hydrological regime and water quality criteria or background for assessing changes to hydrological regimes and water quality; and
- (4) trigger values and contingency measures.

12-4 The proponent shall continue to implement the version of the plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to

meet the objectives required by condition 12-1.

### **13    *Schizopera* sp. TK1 Exclusion Area**

13-1    The proponent shall ensure that suitable habitat is maintained for *Schizopera* sp. TK1;

13-2    Subject to condition 13-3, the proponent shall:

- (1)    not undertake ground disturbance within the *Schizopera* sp. TK1 exclusion area as shown on Figure 4 and delineated by coordinates in Schedule 2; and
- (2)    ensure that groundwater drawdown from mine dewatering does not exceed 0.5 m within the *Schizopera* sp. TK1 exclusion area as shown on Figure 4 and delineated by coordinates in Schedule 2, when monitored in accordance with the Groundwater Drawdown Management and Monitoring Plan required by condition 11-2.

13-3    No ground disturbance and groundwater drawdown exceeding 0.5 m may occur within the *Schizopera* sp. TK1 exclusion area as shown in Figure 4 of Schedule 1 until:

- (1)    the CEO on advice of Department of Parks and Wildlife is satisfied that a population of *Schizopera* sp. TK1 has been found outside the impact areas as shown on Figure 4; and
- (2)    the proponent has received the notice in writing from the CEO that ground disturbance and groundwater drawdown may occur within the *Schizopera* sp. TK1 exclusion area as shown in Figure 4 of Schedule 1.

### **14    Dewater Reinjection**

14-1    The proponent shall manage the implementation of the proposal to meet the following **environmental objective**:

- (1)    to ensure groundwater mounding associated with the Lake Maitland reinjection area is limited to no more than 1 m above natural levels.

14-2    The proponent shall consult with the Department of Water and prepare a Groundwater Reinjection Management Plan (Operating Strategy) required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objective required by condition 14-1.

14-3    The plan required by condition 6-1 shall include provisions required by condition 6-2 to address the following:

- (1)    location of monitoring bores;

- (2) detailed monitoring program for both groundwater quality and levels; and
  - (3) trigger values and contingency measures.
- 14-4 The proponent shall continue to implement the version of the Plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to meet the objective required by condition 14-1.

## **15 Dust Management**

- 15-1 The proponent shall manage the implementation of the proposal to meet the following **environmental objective**:
- (1) minimise direct and indirect impacts associated with dust.
- 15-2 The proponent shall consult with the Department of Mines and Petroleum and prepare a Dust Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objectives required by condition 15-1.
- 15-3 The plan required by condition 6-1 shall include provisions required by condition 15-2 to address the following:
- (1) a dust monitoring plan;
  - (2) procedures to manage dust during periods of high winds likely to lead to dust storms; and
  - (3) contingency plans for the management of dust should mining involve blasting.
- 15-4 The proponent shall continue to implement the version of the plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to meet the objectives required by condition 15-1.

## **16 Heritage**

- 16-1 The proponent shall manage the implementation of the revised proposal to meet the following **environmental objective**:
- (1) minimise impacts as far as practicable to registered Aboriginal sites DAA 2676, DAA 1160, DAA 2440 and DAA 2441 and any other Aboriginal heritage places to which the *Aboriginal Heritage Act 1972* (AHA) may apply.
- 16-2 The proponent shall consult with the Department of Aboriginal Affairs and prepare a Cultural Heritage Management Plan required by condition 6-1 that satisfies the requirements of condition 6-2, to meet the objective of condition 16-1.

- 16-3 The proponent shall continue to implement the version of the plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the plan required by condition 6-1 satisfies the requirements of condition 6-2 to meet the objective required by condition 16-1.

**17 Offset - *Tecticornia***

- 17-1 The proponent shall fund and undertake an offset as required in Condition 17-2 with the objective to counterbalance the cumulative impact on 1333.2 ha of *Tecticornia*-dominated vegetation as a result of implementation of the proposal.
- 17-2 Prior to the commencement of ground disturbing activities, the proponent shall prepare a Survey and Research Plan for approval by the CEO on the advice of the Department of Parks and Wildlife, to conserve and improve the scientific knowledge of *Tecticornia* taxa. The Survey and Research Plan shall include:
- (1) implementation of further surveys to collect *Tecticornia* specimens within and outside the Development Envelope within the associated lake system and immediate adjoining areas;
  - (2) conducting research on *Tecticornia* specimens collected for taxonomic resolution;
  - (3) provision of distribution and abundance data to enable determination of the conservation status of identified *Tecticornia* taxa including relative representation within and outside the Development Envelope ;
  - (4) storage, preservation and propagation techniques for any *Tecticornia* taxa and unidentified specimens that have not been shown to occur outside the Development Envelope or the area of groundwater drawdown greater than the predicted 0.5 groundwater drawdown contours as shown in Figure 2 of Schedule 1;
  - (5) ecophysiological characterisation and assessment of habitat requirements of different *Tecticornia* taxa within and outside the Development Envelope including an assessment of potential impacts from changes in groundwater quality and quantity, and with main emphasis on those taxa identified as occurring within the Development Envelope;
  - (6) conducting research on requirements and techniques for re-establishing *Tecticornia* vegetation communities and conservation-significant taxa in rehabilitating the Disturbance Area;
  - (7) establishing soil management techniques to ensure preservation of top soils, containing the seed bank, for use in rehabilitation;
  - (8) on-ground works for the establishment of self-sustaining populations of *Tecticornia* taxa considered to be at risk from this proposal; and
  - (9) identify procedures for reporting to the CEO and the Department of



Parks and Wildlife, including the content format, timing and frequency for reporting and provision of data and information against the objective in condition 17-1, in accordance with the requirements of conditions 17-2 (1) to 17-2 (8).

17-3 The proponent shall continue to implement the version of the *Tecticornia* Survey and Research plan most recently approved by the CEO until the CEO has confirmed by notice in writing that the objective in condition 17-1 has been met.

17-4 The funding required by condition 17-1 shall be a minimum total monetary value of \$2,000,000 (GST exclusive) plus CPI from the date of this Statement.

#### **18 Offset - Subterranean Fauna Habitat (PEC)**

18-1 The proponent shall fund and undertake an offset as required in Condition 18-2 with the objective to counterbalance the significant residual impact on approximately 168 ha of Hinkler Well Calcrete PEC (component taxa) and 500 ha of the Barwidgee PEC (component taxa) as a result of implementation of the proposal.

18-2 Prior to the commencement of ground disturbing activities, the proponent shall prepare, in consultation with the Department of Parks and Wildlife and the WA Museum, and submit a Subterranean Fauna Research Plan to the CEO. The research questions for the plan should be the following:

- (1) Improve the knowledge of their taxonomy, distribution and habitat requirements;
- (2) Develop a better understanding of the impact on subterranean fauna from mining operations; and
- (3) Identify the key variables to support the ecological function of subterranean fauna.

18-3 The Subterranean Fauna Research Plan shall:

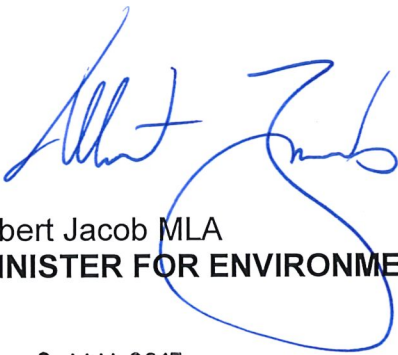
- (1) Identify research objectives and completion criteria;
- (2) Include details of project budgets and costs;
- (3) Identify timeframes and responsibilities for implementation; and
- (4) Identify reporting procedures, including the content, format, timing and frequency for the reporting of monitoring data against the research questions, in accordance with condition 18-2.

18-4 After receiving notice in writing from the CEO that the Subterranean Fauna Research Plan satisfies the requirements of condition 18-3, the proponent shall:

- (1) Implement the actions in accordance with the requirements of the Subterranean Fauna Research Plan; and
  - (2) Continue to implement the actions in accordance with the requirements of the Subterranean Fauna Research Plan until the CEO has confirmed by notice in writing that the objective in condition 18-1 has been met.
- 18-5 The proponent shall monitor the implementation of the plan and provide a written report, including monitoring data, and provide to the CEO within three months of the finalisation of each project. The research findings are to be made publically available.
- 18-6 The proponent:
- (1) May review and revise the Subterranean Fauna Research Plan, or
  - (2) Shall review and revise the Subterranean Fauna Research Plan as and when directed by the CEO.
- 18-7 The proponent shall implement the latest revision of the Subterranean Fauna Research Plan, which the CEO has confirmed by notice in writing satisfies the requirements of condition 18-2.
- 19 Tailings Storage Facilities Research Plan**
- 19-1 The proponent shall consult with the Department of Mines and Petroleum and prepare a Tailings Storage Facility Research Plan to inform the design and operation of the tailings storage facility in order to minimise impacts to groundwater as far as practicable.
- 19-2 The Tailings Storage Facility Research Plan should address but may not be limited to:
- (1) a refined hydro geochemical field-site characterisation;
  - (2) a mineralogical characterisation;
  - (3) characterisation of potential tailings storage facility solutes;
  - (4) batch sorption tests for uranium and vanadium with various sediment materials from the potentially affected aquifers;
  - (5) site-specific surface complexation models;
  - (6) laboratory-scale column testing of uranium migration;
  - (7) controlled field-scale tests to verify the attenuating role of Fe-sulfides and other attenuating processes; and
  - (8) techniques to assist in engineered immobilisation of contaminants.

19-3 After receiving notice in writing from the CEO that the Tailings Storage Facility Research Plan satisfies the requirements of condition 19-2, the proponent shall:

- (1) Implement the actions in accordance with the requirements of the Tailings Storage Facility Research Plan; and
- (2) Continue to implement the actions in accordance with the requirements of the Tailings Storage Facility Research Plan until the CEO has confirmed by notice in writing that the objective in condition 19-1 has been met.



Albert Jacob MLA  
**MINISTER FOR ENVIRONMENT; HERITAGE**

9 JAN 2017

Table 1: Summary of the extension to the Wiluna Uranium Proposal

<b>Revised Proposal Title</b>	Revised Wiluna Uranium Proposal
<b>Short Description</b>	<p>The proposal is to construct and operate a uranium mine consisting of four deposits: Centipede, Millipede, Lake Way and Lake Maitland.</p> <p>The proposal includes the construction and operation of a processing plant, roads, power and water source and supply facilities, in pit tailings storage facilities (TSF), accommodation and other associated infrastructure.</p>

Table 2: The key elements of the Revised Proposal

<b>Element</b>	<b>Location</b>	<b>Authorised Extent</b>
Lake Way open cut mine pit and associated infrastructure.	Figure 2	Clearing of no more than 704 ha of native vegetation within a Development Envelope of 733 ha.
Centipede open cut mine pit and associated infrastructure.	Figure 2	Clearing of no more than 580 ha of native vegetation within a Development Envelope of 580 ha.
Infrastructure (processing plant, borefield, water pipelines, haul and access roads, accommodation village).	Figure 2	Clearing of no more than 246 ha of native vegetation within a Development Envelope of 444 ha.
Millipede open cut mine pit and associated infrastructure.	Figure 2	Clearing of no more than 537.9 ha of native vegetation within the Millipede Development Envelope of 739 ha.
Lake Maitland open cut mine pit and associated infrastructure.	Figure 2	Clearing of no more than 776.4 ha of native vegetation within the Lake Maitland Development Envelope of 2824 ha.
Lake Maitland borefield	Figure 2	Clearing of no more than 23.6 ha of native vegetation with a Development Envelope of 23.6 ha.
Southern haul road, borrow pits and water filling stations.	Figure 2	Clearing of no more than 243.9 ha of native vegetation within of the Southern Haul Road Development Envelope 327.8 ha.
In pit tailings disposal.	Figure 2	Disposal of no more than 2.1 million tonnes per annum (Mtpa) of tailings into engineered containment facilities within the Millipede and Centipede pit voids.

Element	Location	Authorised Extent
Mine dewatering at Lake Way.	Figure 2	Dewatering of no more than 1.3 Gigalitres per annum (GL/a).
Mine dewatering at Centipede/Millipede.	Figure 2	Dewatering of no more than 2 GL/a.
Mine dewatering at Lake Maitland	Figure 2	Dewatering of no more than 4 GL/a.
Lake Maitland Water reinjection	Figure 2	Downstream aquifer reinjection of excess water from pit dewatering.

**Table 3: Abbreviations and definitions**

Acronym or Abbreviation	Definition or 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 his delegate.
Clearing	As defined in the <i>Environmental Protection Act 1986</i>
Conservation significant	Species that are listed under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> and <i>Wildlife Conservation Act 1950</i> , and Parks and Wildlife Priority species that are likely to have their conservation status changed by the Proposal
EPA	Environmental Protection Authority
EP Act	<i>Environmental Protection Act 1986</i>
Exclusion zone	A defined area in which mining will not occur
GL/a	Gigalitres per annum
Ground disturbing activities	Includes implementation of the proposal aspects such as clearing, grading, excavating, digging, drilling, dewatering and installation of infrastructure.
GST	Goods and services tax
Km	Kilometre
ha	Hectare
m	Metre
Mtpa	Million tonnes per annum
OEPA	Office of the Environmental Protection Authority
PEC	Priority Ecological Community
Self-sustaining	A population that is self-perpetuating (able to continue indefinitely) without external assistance.

### Figures (attached)

Figure 1. Proposal Location

Figure 2. Revised Proposal Development Envelope

Figure 3. *Tecticornia* Exclusion Areas

Figure 4. *Schizopera* sp. TK1 Exclusion Area

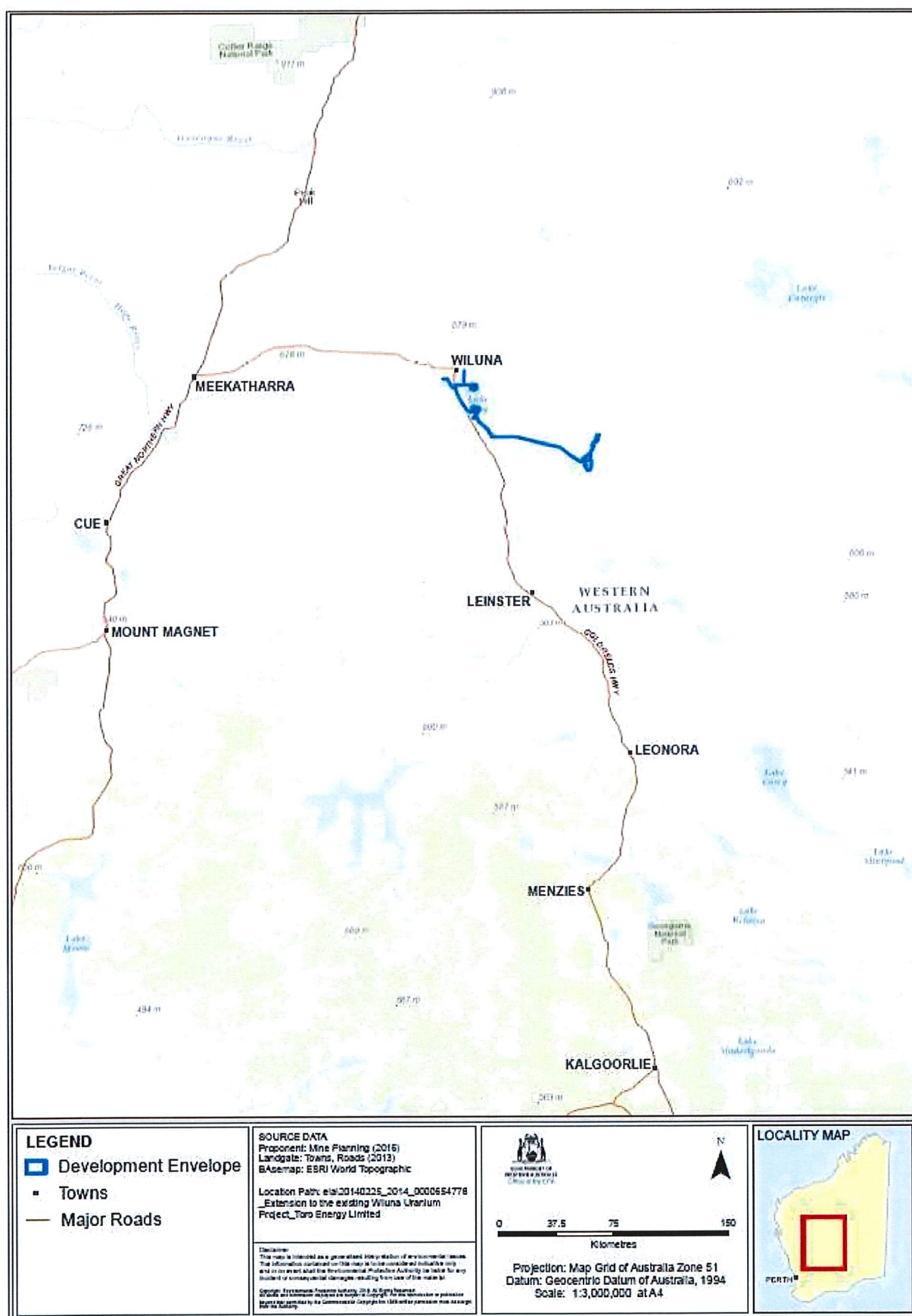


Figure 1: Proposal Location



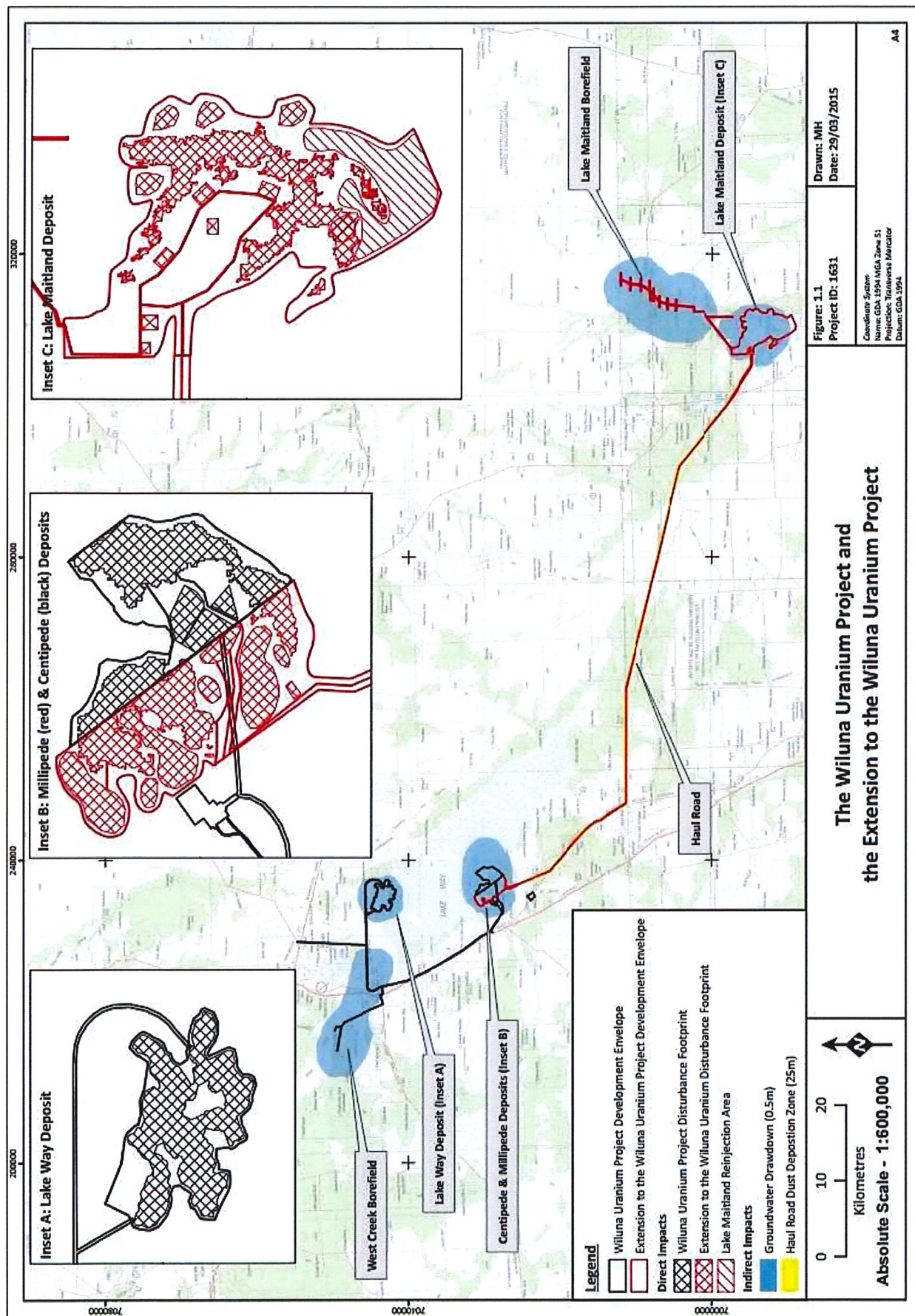


Figure 2: Revised Proposal Development Envelope





Figure 3: *Tecticornia* Exclusion Areas



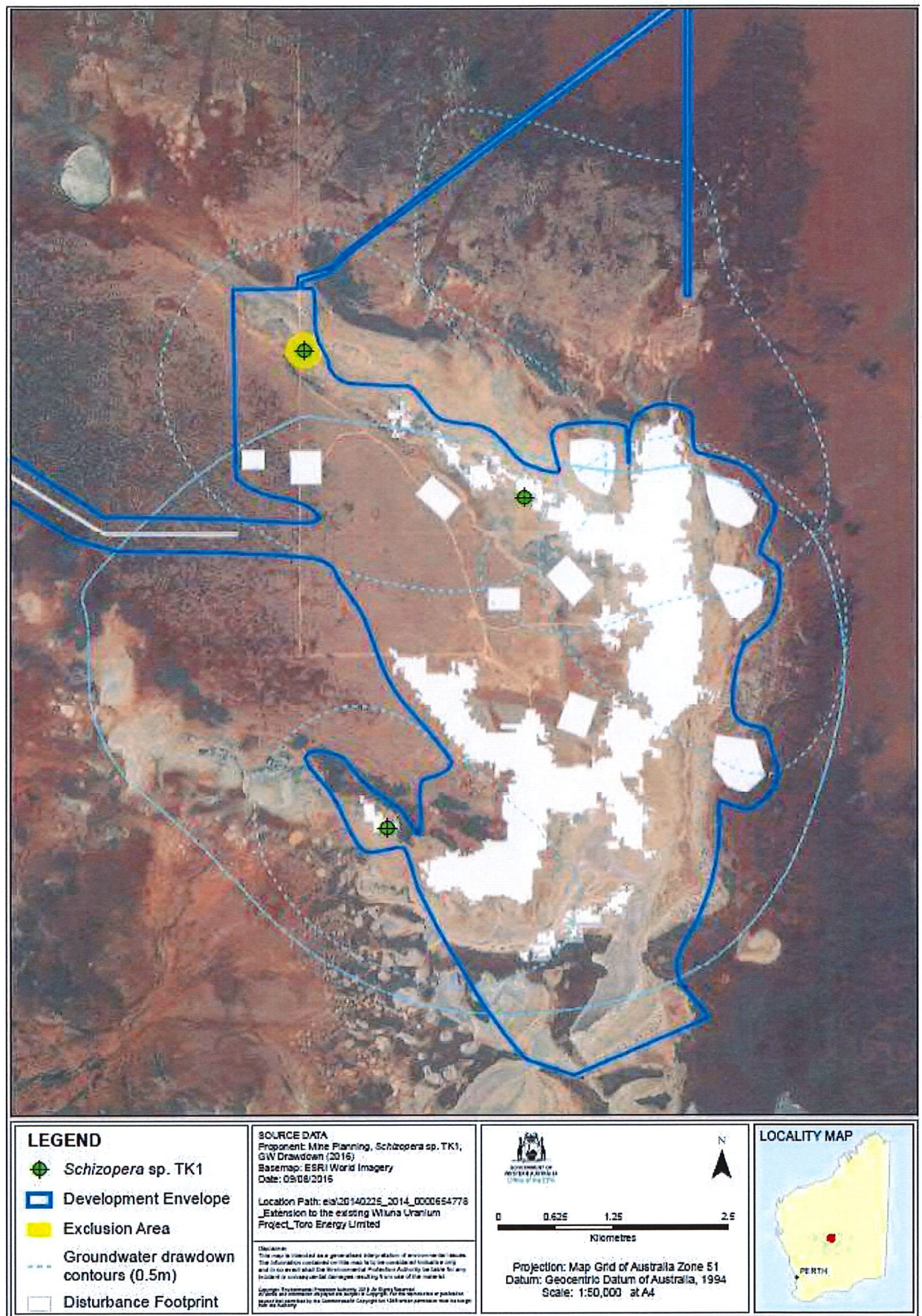


Figure 4: *Schizopera* sp. TK1 Exclusion Area

## Schedule 2

Coordinates defining the Revised Proposal are held by the Office of the Environmental Protection Authority:

- Revised Proposal Development Envelope (Document Reference Number 2016-1482999760769).
- *Tecticornia* Exclusion Areas (Document Reference Number 2016-1482999751308).
- *Schizopera* sp. TK1 Exclusion Area (Document Reference Number 2016-1482999772039).