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Published on: 1 October 2015

Statement No. 1017

**STATEMENT TO CHANGE THE IMPLEMENTATION CONDITIONS APPLYING TO A
PROPOSAL
(Section 46 of the *Environmental Protection Act 1986*)**

**CATABY MINERAL SANDS PROJECT
CATABY, SHIRE OF DANDARAGAN**

Proposal: To mine a series of open pits over approximately 25 kilometres, within the Cataby Mineral Sands Project located approximately 150 km north of Perth.

Proponent: Iluka Resources Limited
Australian Company Number 008 675 018

Proponent Address: Level 23, 140 St George's Terrace, PERTH WA 6000

Report of the Environmental Protection Authority: 1555

Preceding Statement/s Relating to this Proposal: 720

Pursuant to section 45 of the *Environmental Protection Act 1986*, as applied by s46(8), it has been agreed that implementation conditions set out in Ministerial Statement No. 720, be changed as specified in this Statement:

This Statement authorises the implementation of the proposal described and documented in Schedules 1 and 2. The implementation of the proposal is subject to the following implementation conditions and procedures which replace and supersede all previous conditions and procedures of Statement 720.

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 *Environmental Protection Act 1986*.

2 Contact Details

- 2-1 The proponent shall notify the Chief Executive Officer (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 18 April 2021, and any commencement, prior to this date, must be substantial.
- 3-2 Any commencement of implementation of the proposal, on or before 18 April 2021, must be demonstrated as substantial by providing the CEO with written evidence, on or before 18 April 2021.

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 Compliance Assessment Report required by condition 4-6.
- 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 Plans and Reports

- 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 environmental plans and reports required under this Statement.

- 5-2 If any parts of the plans or 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 Oliver Remnants

- 6-1 The proponent shall ensure that the proposal is implemented in a manner that the 62 hectares of Oliver Remnants defined as an area of 'No Mining' in Figure 1 of Schedule 1 is excluded from mining activities.

- 6-2 The proponent shall place a conservation covenant over the rehabilitated Oliver Remnants area once rehabilitation has been completed.

7 Carnaby's Cockatoo Management

7-1 The objective of the Carnaby's Cockatoo Management Plan is to ensure the proposal is implemented in a manner that the habitat and population of Carnaby's Cockatoos are maintained as far as practicable.

7-2 Prior to ground-disturbing activities, the proponent shall update the Carnaby's Cockatoo Management Plan, in consultation with the Department of Parks and Wildlife, to the satisfaction of the CEO to demonstrate the requirements of condition 7-1 have been met.

The Plan shall identify and detail:

- (1) an area of at least 180 hectares of parkland cleared area to be restored to include native understorey species;
- (2) a 20 kilometre roadside tree belt to be revegetated with local native species;
- (3) a vegetation corridor between the proposal and Enemunga Nature Reserve to be revegetated with local native species;
- (4) the area of Cataby Brook to be subject to an in-perpetuity Conservation Covenant, including any management actions to be undertaken prior to the Conservation Covenant being entered into;
- (5) the targets to be achieved; including management actions and timeframes for completion for each of the mining areas;
- (6) the on-ground offset activities to be undertaken in each of the areas identified to meet the targets; including details of the provision of additional Black Cockatoo nesting hollows through repairing hollows, providing artificial hollows, and removing competitor species from hollows;
- (7) the funding arrangements and timing of funding for offset activities;
- (8) the monitoring requirements for offset activities; and
- (9) the role of the proponent and any arrangements with third parties.

7-3 The area identifies as satisfying condition 7-2 (4) in the approved Plan shall be placed under a Conservation Covenant, to the satisfaction of the CEO.

7-4 The proponent shall implement the latest approved Carnaby's Cockatoo Management Plan and continue implementation until otherwise agreed by the CEO.

7-5 Revisions to the Carnaby's Cockatoo Management Plan may be approved by the CEO.

- 7-6 The proponent shall implement the most recent approved revisions of the Carnaby's Cockatoo Management Plan required by condition 7-1.

8 Groundwater-dependant Ecosystem Management

- 8-1 Prior to ground-disturbing activities, the proponent shall review and revise the Groundwater-dependant Ecosystem Management Plan presented in the *Cataby Mineral Sands Project, Environmental Protection Statement (November 2005)* in consultation with the Department of Water to the requirements of the CEO, to demonstrate that the requirements of condition 8-2 have been met.
- 8-2 The objective of the Groundwater-dependant Ecosystem Management Plan is to ensure the proposal is implemented in a manner that the impact of groundwater drawdown on vegetation is avoided as far as practicable.
- 8-3 The proponent shall implement the latest approved Groundwater-dependant Ecosystem Management Plan and continue implementation until otherwise agreed by the CEO.
- 8-4 The Groundwater-dependant Ecosystem Management Plan required by condition 8-1 shall include:
- (1) a map showing the locations of any priority or declared rare fauna species in potential groundwater-dependant ecosystem areas;
 - (2) a map showing the locations of vegetation health monitoring;
 - (3) an assessment of the types of artificial recharge options to be used which will include identifying the best option for each site;
 - (4) contingency measures for the prevention of vegetation impacts in potential groundwater-dependant ecosystem areas;
 - (5) actions to be taken in the event that detrimental effects to vegetation health are observed, which includes consultation with a qualified botanist, within five days, to assess the cause of the impacts; and
 - (6) measures to mitigate impacts on vegetation in the event that the artificial recharge system does not perform. This will include the review and modification to the artificial recharge system to prevent further impacts on vegetation sites.
- 8-5 Within six (6) months of utilisation of artificial recharge systems, the proponent shall report to the CEO on the outcomes of the implementation of artificial recharge systems in the project. The report to the CEO shall include:
- (1) the recharge options utilised for each area of mining;
 - (2) outcomes of vegetation health monitoring conducted near mining operations;
 - (3) an evaluation of the performance of the artificial recharge system, with explanatory notes to substantiate the performance achieved; and

- (4) proposed changes to the artificial recharge systems to ensure compliance with the objective required by condition 8-2.

8-6 Revisions to the Groundwater-dependant Ecosystem Management Plan may be approved by the CEO.

8-7 The proponent shall implement the most recent approved revisions of the Groundwater-dependant Ecosystem Management Plan required by condition 8-1.

9 Noise Management

9-1 Prior to ground-disturbing activities, the proponent shall prepare a Noise Management Plan in consultation with the Department of Environment Regulation to the requirements of the CEO to demonstrate condition 9-2 has been met.

9-2 The objective of the Noise Management Plan is to ensure the proposal is implemented in a manner that impacts to amenity are reduced as low as reasonably practicable.

9-3 The proponent shall implement the latest approved Noise Management Plan and continue implementation until otherwise agreed by the CEO.

9-4 The Noise Management Plan required by condition 9-1 shall include detailed description of:

- (1) the acoustical model of the mining operations;
- (2) measures to minimise noise emissions;
- (3) operating procedures to be adopted for particular routine activities to minimise noise impacts on amenity at recreational areas;
- (4) the noise monitoring programme; and
- (5) the complaint management procedure.

9-5 Revisions to the Noise Management Plan may be approved by the CEO.

9-6 The proponent shall implement the most recent approved revisions of the Noise Management Plan required by condition 9-1.

10 Vegetation and Flora Management

10-1 Prior to ground-disturbing activities, the proponent shall implement the Vegetation and Flora Management Plan approved by the CEO and prepared on advice from the Department of Parks and Wildlife to the requirements of the CEO, to demonstrate condition 10-2 has been met.

10-2 The objective of the Vegetation and Flora Management Plan is to ensure the proposal is implemented in a manner that impacts on identified rare and priority flora species are avoided as far as practicable.

- 10-3 The proponent shall implement the latest approved Vegetation and Flora Management Plan and continue implementation until otherwise agreed by the CEO.
- 10-4 Revisions to the Vegetation and Flora Management Plan may be approved by the CEO.
- 10-5 The proponent shall implement the most recent approved revisions of the Vegetation and Flora Management Plan required by condition 10-1.

11 Surface Water

- 11-1 Prior to ground-disturbing activities, the proponent shall prepare a Surface Water Management Plan in consultation with the Department of Water, to the requirements of the CEO to demonstrate condition 11-2 has been met.
- 11-2 The objective of the Surface Water Management Plan is to ensure the proposal is implemented in a manner that the integrity of surface water ecosystems (flow regimes, water quality and ecosystem health) is maintained.
- 11-3 The proponent shall implement the latest approved Surface Water Management Plan and continue implementation until otherwise agreed by the CEO.
- 11-4 The Surface Water Management Plan required by condition 11-1 shall include detailed descriptions of:
 - (1) existing surface flow regimes;
 - (2) significant surface water dependant ecological systems which may be impacted by changes to existing surface water regimes;
 - (3) stormwater management;
 - (4) aquatic fauna and riparian monitoring program;
 - (5) the trigger criteria framework that will trigger the implementation of contingency actions to ensure the integrity of flow paths and water quantities are maintained and surface water dependant ecosystems are protected;
 - (6) contingency actions to be implemented in the event that the trigger criteria developed within the framework required by condition 11-4(5) have been exceeded; and
 - (7) the monitoring and reporting to document and report any changes in surface water flow regimes caused by implementation of the proposal, and impacts on surface water dependant ecological systems.
- 11-5 Revisions to the Surface Water Management Plan may be approved by the CEO.
- 11-6 The proponent shall implement the most recent approved revisions of the Surface Water Management Plan required by condition 11-1.

12 Dieback Management

- 12-1 Prior to ground-disturbing activities, the proponent shall implement the Dieback Management Plan approved by the CEO and prepared in consultation with the Department of Parks and Wildlife to the requirements of the CEO to demonstrate condition 12-2 has been met.
- 12-2 The objective of the Dieback Management Plan is to ensure the proposal is implemented in a manner that prevents the introduction and/ or spread of Phytophthora within the proposal area.
- 12-3 The proponent shall implement the latest approved Dieback Management Plan and continue implementation until otherwise agreed by the CEO.
- 12-4 Revisions to the Dieback Management Plan may be approved by the CEO.
- 12-5 The proponent shall implement the most recent approved revisions of the Dieback Management Plan required by condition 12-1.

[Signed 1 October 2015]

Albert Jacob MLA
MINISTER FOR ENVIRONMENT; HERITAGE

Schedule 1**Table 1: Summary of the Proposal**

Proposal Title	Cataby Mineral Sands Project, Cataby, Shire of Dandaragan
Short Description	The proposal is to mine a series of open pits over approximately 25 km, within the Cataby Heavy Mineral Sands Project located approximately 150 km north of Perth.

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

Element	Location	Authorised Extent
Rehabilitation	N/A	Ongoing throughout mine life
Overburden Volume	N/A	164 Mt
Extraction Method	N/A	Dry Mining
Size of Mine Pits	N/A	6 to 119 ha
Depth of Mine Pits	N/A	Ranging from 17 to 60 m
Development Envelope	Figure 1	No more than 2514 ha
Area of Disturbance		No more than 1942 ha
Area of Native Vegetation Disturbance		No more than 156 ha

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.
Mt	Million tonnes
ha	hectare
km	kilometre
m	metre

Figure (attached)

Figure 1 – Cataby Mineral Sands Project Development Envelope

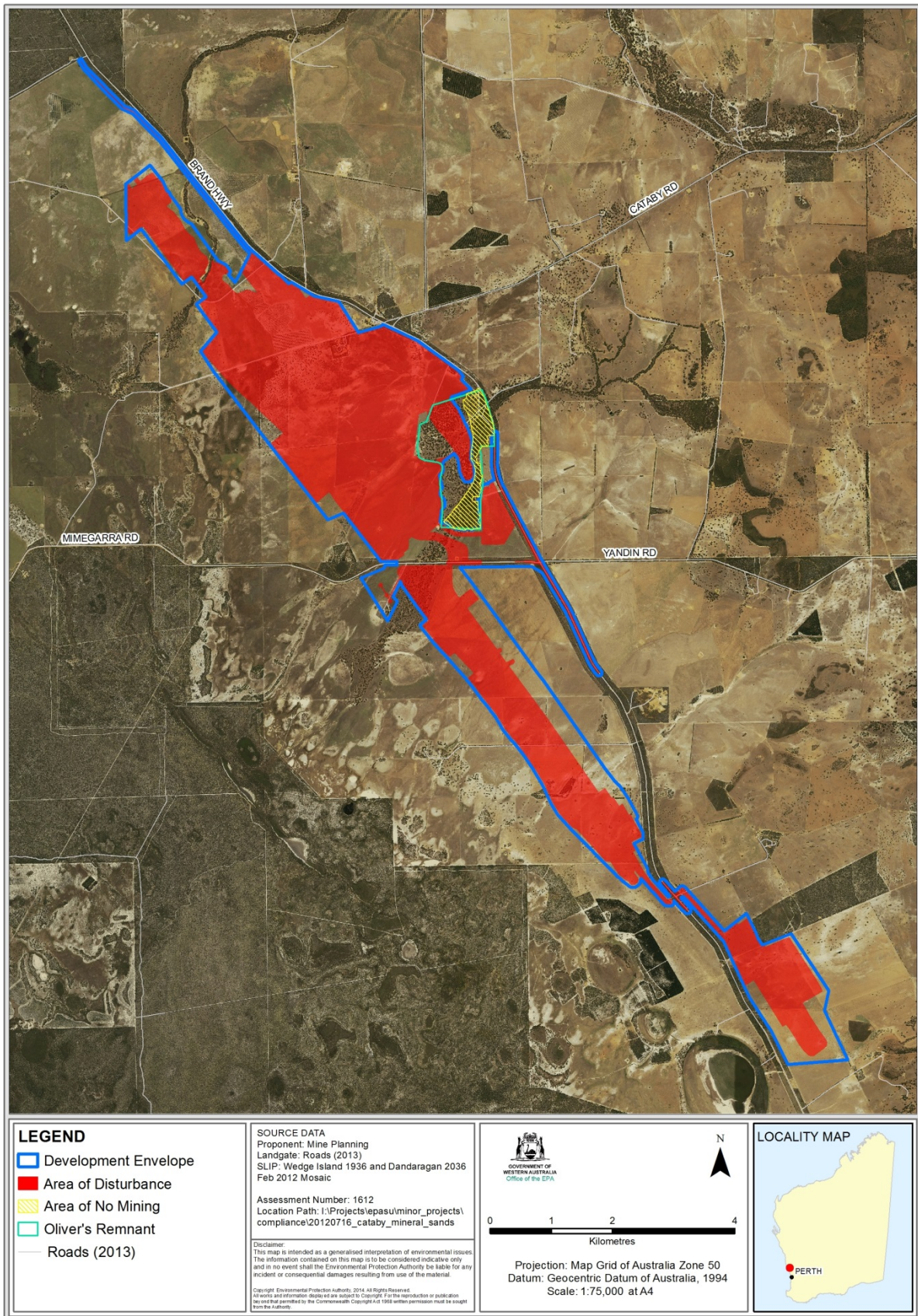


Figure 1 Cataby Mineral Sands Project Development Envelope

Schedule 2

Table 4: Coordinates defining Cataby Mineral Sands Project Development Envelope [Map Grid of Australia MGA94 zone 50].

Coordinate No	Easting	Northing
1	358578	6599538
2	358725	6599402
3	358729	6599406
4	358735	6599410
5	358740	6599413
6	358746	6599415
7	358752	6599417
8	358758	6599417
9	358764	6599417
10	358771	6599417
11	358777	6599415
12	358781	6599413
13	358845	6599374
14	359138	6599195
15	359536	6599107
16	359860	6598600
17	360223	6598700
18	360260	6598732
19	360543	6598599
20	360827	6598466
21	361211	6598188
22	361499	6597980
23	361574	6597883
24	361556	6597855
25	361542	6597834
26	361696	6597681
27	361701	6597667
28	361448	6597572
29	361386	6597550
30	361385	6597546
31	361374	6597527
32	361373	6597523
33	361375	6597519
34	361380	6597506
35	361396	6597486
36	361400	6597480
37	361405	6597474
38	361427	6597446
39	361437	6597433

Coordinate No	Easting	Northing
40	361442	6597427
41	361462	6597402
42	361468	6597394
43	361474	6597385
44	361488	6597368
45	361497	6597349
46	361512	6597314
47	361530	6597277
48	361540	6597257
49	361554	6597227
50	361556	6597222
51	361559	6597216
52	361573	6597187
53	361582	6597167
54	361600	6597129
55	361615	6597096
56	361615	6597095
57	361617	6597092
58	361617	6597092
59	361645	6597037
60	361715	6596839
61	361709	6596708
62	361707	6596681
63	361703	6596654
64	361694	6596536
65	361694	6596535
66	361728	6596470
67	361746	6596434
68	361754	6596337
69	361761	6596290
70	361754	6596248
71	361735	6596200
72	361687	6596160
73	361602	6596157
74	361556	6596217
75	361514	6596324
76	361498	6596443
77	361480	6596544
78	361423	6596624

Coordinate No	Easting	Northing
79	361256	6596495
80	361251	6596491
81	361245	6596474
82	361233	6596431
83	361238	6596393
84	361243	6596374
85	361247	6596344
86	361238	6596325
87	361225	6596307
88	361199	6596287
89	361189	6596266
90	361189	6596243
91	361199	6596216
92	361199	6596190
93	361217	6596122
94	361233	6596084
95	361233	6596065
96	361226	6596049
97	361210	6596027
98	361200	6596006
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101	361228	6595910
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109	361239	6595726
110	361225	6595706
111	361216	6595690
112	361209	6595596
113	361203	6595544
114	361201	6595502
115	361227	6595468
116	361253	6595503
117	361263	6595495
118	361271	6595489
119	361311	6595459
120	361370	6595420
121	361437	6595395
122	361524	6595381
123	361543	6595374

Coordinate No	Easting	Northing
124	361557	6595378
125	361564	6595375
126	361578	6595370
127	361592	6595365
128	361598	6595364
129	361602	6595366
130	361615	6595375
131	361627	6595385
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133	361638	6595388
134	361654	6595389
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137	361697	6595375
138	361712	6595368
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153	361856	6595414
154	361856	6595428
155	361855	6595444
156	361851	6595458
157	361848	6595472
158	361845	6595486
159	361838	6595499
160	361837	6595500
161	361836	6595505
162	361836	6595517
163	361835	6595524
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166	361835	6595551
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168	361845	6595576

Coordinate No	Easting	Northing
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172	361846	6595601
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180	361830	6595676
181	361830	6595691
182	361829	6595712
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184	361829	6595732
185	361829	6595755
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199	361854	6595933
200	361855	6595944
201	361857	6595955
202	361858	6595966
203	361860	6595973
204	361862	6595983
205	361867	6595997
206	361869	6596009
207	361874	6596032
208	361891	6596104
209	361924	6596117
210	361926	6596118
211	361930	6596119
212	361933	6596120
213	361936	6596121

Coordinate No	Easting	Northing
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215	361942	6596121
216	361964	6596121
217	361974	6596122
218	361976	6596122
219	361978	6596122
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253	362063	6596251
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255	362062	6596255
256	362061	6596259
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258	362061	6596261

Coordinate No	Easting	Northing
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303	362042	6596369

Coordinate No	Easting	Northing
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345	362035	6596480
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347	362035	6596484
348	362035	6596485

Coordinate No	Easting	Northing
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365	362080	6596988
366	362083	6596989
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368	362089	6596989
369	362093	6596989
370	362096	6596989
371	362099	6596988
372	362102	6596988
373	362105	6596987
374	362108	6596985
375	362111	6596984
376	362114	6596983
377	362117	6596981
378	362120	6596979
379	362122	6596977
380	362125	6596975
381	362127	6596972
382	362129	6596970
383	362131	6596967
384	362133	6596964
385	362134	6596961
386	362135	6596958
387	362137	6596955
388	362138	6596952
389	362138	6596949
390	362139	6596946
391	362139	6596942
392	362139	6596939
393	362139	6596939

Coordinate No	Easting	Northing
394	362135	6596495
395	362135	6596494
396	362135	6596490
397	362135	6596485
398	362135	6596481
399	362135	6596475
400	362135	6596471
401	362135	6596466
402	362135	6596462
403	362135	6596456
404	362135	6596452
405	362135	6596447
406	362136	6596443
407	362136	6596437
408	362136	6596433
409	362136	6596428
410	362137	6596424
411	362137	6596418
412	362137	6596414
413	362138	6596409
414	362138	6596405
415	362139	6596400
416	362139	6596396
417	362140	6596390
418	362140	6596386
419	362141	6596381
420	362141	6596377
421	362142	6596371
422	362143	6596367
423	362143	6596362
424	362144	6596358
425	362145	6596353
426	362145	6596349
427	362146	6596343
428	362147	6596339
429	362148	6596334
430	362148	6596330
431	362149	6596325
432	362150	6596321
433	362151	6596315
434	362152	6596311
435	362153	6596306
436	362154	6596302
437	362155	6596297
438	362156	6596293

Coordinate No	Easting	Northing
439	362157	6596288
440	362158	6596284
441	362158	6596282
442	362159	6596278
443	362160	6596274
444	362162	6596269
445	362163	6596265
446	362164	6596260
447	362165	6596256
448	362166	6596251
449	362168	6596247
450	362169	6596242
451	362170	6596238
452	362172	6596233
453	362173	6596229
454	362174	6596224
455	362176	6596220
456	362177	6596215
457	362179	6596211
458	362180	6596206
459	362182	6596202
460	362183	6596197
461	362185	6596193
462	362186	6596188
463	362188	6596184
464	362190	6596179
465	362191	6596175
466	362193	6596170
467	362195	6596166
468	362197	6596161
469	362198	6596157
470	362200	6596152
471	362202	6596149
472	362204	6596144
473	362205	6596140
474	362207	6596135
475	362209	6596131
476	362211	6596126
477	362213	6596123
478	362215	6596118
479	362217	6596114
480	362219	6596109
481	362221	6596106
482	362223	6596101
483	362225	6596097

Coordinate No	Easting	Northing
484	362227	6596092
485	362229	6596089
486	362232	6596084
487	362233	6596082
488	362357	6595841
489	362533	6595503
490	362533	6595503
491	362799	6594991
492	362800	6594988
493	362803	6594983
494	362805	6594980
495	362807	6594975
496	362809	6594971
497	362812	6594966
498	362814	6594962
499	362816	6594957
500	362818	6594954
501	362821	6594949
502	362823	6594945
503	362826	6594940
504	362828	6594936
505	362830	6594931
506	362832	6594927
507	362835	6594923
508	362837	6594919
509	362840	6594914
510	362841	6594912
511	362842	6594910
512	362845	6594905
513	362847	6594902
514	362849	6594897
515	362852	6594893
516	362854	6594888
517	362856	6594884
518	362859	6594880
519	362861	6594876
520	362864	6594871
521	362866	6594867
522	362869	6594862
523	362871	6594859
524	362874	6594854
525	362876	6594850
526	362879	6594845
527	362881	6594842
528	362884	6594837

Coordinate No	Easting	Northing
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530	363306	6594117
531	363306	6594117
532	363309	6594112
533	363309	6594112
534	363309	6594112
535	363312	6594108
536	363312	6594108
537	363314	6594103
538	363315	6594103
539	363317	6594099
540	363317	6594099
541	363320	6594094
542	363320	6594094
543	363322	6594090
544	363322	6594090
545	363325	6594085
546	363325	6594085
547	363327	6594081
548	363327	6594081
549	363330	6594076
550	363330	6594075
551	363332	6594072
552	363332	6594071
553	363333	6594070
554	363333	6594070
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557	363337	6594062
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563	363341	6594053
564	363344	6594048
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568	363348	6594038
569	363349	6594038
570	363350	6594034
571	363350	6594034
572	363353	6594029
573	363353	6594028

Coordinate No	Easting	Northing
574	363355	6594024
575	363355	6594024
576	363357	6594020
577	363357	6594020
578	363384	6593960
579	363384	6593960
580	363575	6593538
581	363664	6593342
582	363688	6593291
583	363689	6593287
584	363692	6593282
585	363693	6593278
586	363696	6593273
587	363697	6593270
588	363700	6593265
589	363702	6593261
590	363704	6593256
591	363706	6593253
592	363708	6593248
593	363710	6593244
594	363713	6593239
595	363715	6593236
596	363717	6593231
597	363719	6593227
598	363722	6593223
599	363724	6593219
600	363727	6593214
601	363729	6593211
602	363731	6593206
603	363733	6593203
604	363736	6593198
605	363738	6593195
606	363739	6593194
607	363741	6593190
608	363743	6593186
609	363746	6593182
610	363748	6593178
611	363751	6593174
612	363753	6593170
613	363756	6593166
614	363759	6593162
615	363761	6593158
616	363764	6593155
617	363767	6593150
618	363769	6593147

Coordinate No	Easting	Northing
619	363772	6593142
620	363775	6593139
621	363778	6593135
622	363780	6593131
623	363783	6593127
624	363786	6593124
625	363789	6593119
626	363791	6593116
627	363795	6593112
628	363797	6593108
629	363800	6593104
630	363801	6593103
631	363831	6593065
632	363831	6593064
633	363833	6593062
634	363835	6593059
635	363836	6593056
636	363838	6593053
637	363839	6593050
638	363840	6593047
639	363841	6593044
640	363841	6593041
641	363842	6593037
642	363842	6593034
643	363842	6593031
644	363841	6593027
645	363841	6593024
646	363840	6593021
647	363839	6593018
648	363838	6593015
649	363836	6593012
650	363835	6593009
651	363833	6593006
652	363831	6593004
653	363829	6593001
654	363827	6592999
655	363825	6592996
656	363822	6592994
657	363819	6592992
658	363817	6592991
659	363814	6592989
660	363811	6592988
661	363808	6592987
662	363805	6592986
663	363801	6592985

Coordinate No	Easting	Northing
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665	363795	6592984
666	363792	6592984
667	363788	6592984
668	363785	6592984
669	363782	6592985
670	363779	6592986
671	363776	6592987
672	363773	6592988
673	363770	6592989
674	363767	6592991
675	363764	6592992
676	363761	6592994
677	363759	6592996
678	363756	6592999
679	363754	6593001
680	363752	6593003
681	363722	6593042
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683	363721	6593043
684	363721	6593043
685	363718	6593047
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687	363718	6593048
688	363715	6593051
689	363715	6593051
690	363712	6593056
691	363711	6593056
692	363709	6593059
693	363709	6593060
694	363705	6593064
695	363705	6593064
696	363703	6593068
697	363702	6593068
698	363699	6593073
699	363699	6593073
700	363696	6593076
701	363696	6593077
702	363693	6593081
703	363693	6593081
704	363690	6593085
705	363690	6593085
706	363687	6593090
707	363687	6593090
708	363684	6593094

Coordinate No	Easting	Northing
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710	363681	6593098
711	363681	6593099
712	363678	6593102
713	363678	6593102
714	363678	6593102
715	363675	6593107
716	363675	6593107
717	363673	6593111
718	363673	6593111
719	363669	6593116
720	363669	6593116
721	363667	6593120
722	363667	6593120
723	363664	6593125
724	363664	6593125
725	363661	6593129
726	363661	6593129
727	363658	6593134
728	363658	6593134
729	363656	6593138
730	363656	6593138
731	363653	6593142
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733	363653	6593143
734	363653	6593143
735	363650	6593147
736	363650	6593147
737	363647	6593152
738	363647	6593152
739	363645	6593156
740	363645	6593156
741	363642	6593161
742	363642	6593161
743	363642	6593161
744	363640	6593165
745	363640	6593165
746	363637	6593170
747	363637	6593170
748	363635	6593174
749	363634	6593174
750	363632	6593179
751	363632	6593179
752	363629	6593183
753	363629	6593183

Coordinate No	Easting	Northing
754	363627	6593188
755	363627	6593189
756	363625	6593192
757	363624	6593193
758	363622	6593198
759	363622	6593198
760	363620	6593202
761	363620	6593202
762	363617	6593207
763	363617	6593207
764	363615	6593211
765	363615	6593211
766	363612	6593216
767	363612	6593217
768	363610	6593220
769	363610	6593221
770	363610	6593221
771	363608	6593226
772	363607	6593226
773	363606	6593230
774	363605	6593230
775	363603	6593235
776	363603	6593235
777	363601	6593239
778	363601	6593240
779	363599	6593245
780	363598	6593245
781	363597	6593249
782	363597	6593249
783	363573	6593301
784	363573	6593301
785	363484	6593496
786	363484	6593496
787	363293	6593919
788	363266	6593978
789	363264	6593983
790	363262	6593986
791	363260	6593991
792	363258	6593995
793	363256	6594000
794	363254	6594004
795	363252	6594008
796	363250	6594012
797	363247	6594017
798	363246	6594021

Coordinate No	Easting	Northing
799	363244	6594024
800	363243	6594025
801	363241	6594029
802	363239	6594034
803	363237	6594037
804	363234	6594042
805	363232	6594046
806	363230	6594050
807	363228	6594054
808	363225	6594059
809	363223	6594062
810	363220	6594067
811	362865	6594671
812	362821	6594700
813	362686	6594774
814	362258	6594768
815	361800	6594763
816	361518	6594759
817	361548	6594721
818	361701	6594523
819	362729	6593104
820	362805	6593005
821	362882	6592906
822	363885	6591472
823	364038	6591274
824	364152	6591155
825	364157	6591150
826	364161	6591145
827	364162	6591144
828	364258	6591004
829	364261	6590999
830	364420	6590705
831	364423	6590700
832	364425	6590694
833	364426	6590688
834	364426	6590682
835	364426	6590675
836	364425	6590669
837	364423	6590663
838	364420	6590657
839	364417	6590652
840	364413	6590647
841	364408	6590643
842	364407	6590642
843	364403	6590639

Coordinate No	Easting	Northing
844	364399	6590636
845	364509	6590433
846	364515	6590332
847	364517	6590316
848	364516	6590315
849	364502	6590308
850	364498	6590306
851	364494	6590304
852	364488	6590302
853	364483	6590301
854	364478	6590300
855	364472	6590300
856	364365	6590240
857	364396	6590184
858	364437	6590109
859	364477	6590034
860	364518	6589960
861	364558	6589885
862	364585	6589836
863	364596	6589758
864	364596	6589758
865	364679	6589641
866	364929	6589362
867	364951	6589383
868	364946	6589390
869	364945	6589390
870	364939	6589398
871	364938	6589398
872	364933	6589405
873	364927	6589412
874	364927	6589412
875	364926	6589413
876	364919	6589421
877	364918	6589423
878	364917	6589424
879	364912	6589432
880	364908	6589436
881	364903	6589442
882	364901	6589443
883	364899	6589446
884	364899	6589446
885	364893	6589454
886	364891	6589457
887	364891	6589457
888	364887	6589463

Coordinate No	Easting	Northing
889	364883	6589468
890	364877	6589474
891	364871	6589481
892	364870	6589482
893	364869	6589483
894	364863	6589491
895	364862	6589491
896	364859	6589495
897	364857	6589497
898	364857	6589497
899	364857	6589497
900	364857	6589498
901	364850	6589505
902	364850	6589505
903	364844	6589512
904	364844	6589513
905	364843	6589513
906	364837	6589520
907	364836	6589521
908	364830	6589529
909	364830	6589529
910	364823	6589536
911	364817	6589544
912	364817	6589544
913	364816	6589545
914	364810	6589553
915	364806	6589558
916	364805	6589559
917	364803	6589562
918	364801	6589565
919	364800	6589567
920	364798	6589570
921	364797	6589573
922	364796	6589577
923	364796	6589578
924	364794	6589580
925	364794	6589581
926	364792	6589584
927	364790	6589586
928	364788	6589589
929	364787	6589592
930	364786	6589595
931	364785	6589598
932	364784	6589602
933	364784	6589605

Coordinate No	Easting	Northing
934	364783	6589608
935	364783	6589611
936	364783	6589615
937	364784	6589618
938	364784	6589621
939	364785	6589624
940	364786	6589627
941	364787	6589630
942	364788	6589633
943	364790	6589636
944	364792	6589639
945	364794	6589642
946	364796	6589644
947	364798	6589647
948	364800	6589649
949	364803	6589651
950	364806	6589653
951	364808	6589655
952	364811	6589656
953	364814	6589658
954	364817	6589659
955	364820	6589660
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957	364827	6589661
958	364830	6589661
959	364833	6589661
960	364837	6589661
961	364840	6589661
962	364843	6589660
963	364846	6589660
964	364849	6589659
965	364852	6589658
966	364855	6589656
967	364858	6589655
968	364861	6589653
969	364864	6589651
970	364866	6589649
971	364869	6589647
972	364871	6589644
973	364873	6589642
974	364873	6589642
975	364875	6589641
976	364878	6589639
977	364880	6589638
978	364883	6589636

Coordinate No	Easting	Northing
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980	364888	6589631
981	364890	6589629
982	364892	6589627
983	364902	6589614
984	364908	6589607
985	364914	6589600
986	364921	6589592
987	364927	6589585
988	364933	6589578
989	364939	6589571
990	364940	6589571
991	364942	6589567
992	364943	6589567
993	364943	6589567
994	364953	6589555
995	364959	6589548
996	364966	6589541
997	364966	6589541
998	364973	6589533
999	364973	6589533
1000	364979	6589526
1001	364986	6589518
1002	364992	6589511
1003	364993	6589511
1004	364999	6589504
1005	364999	6589503
1006	365006	6589496
1007	365006	6589496
1008	365013	6589489
1009	365013	6589489
1010	365019	6589481
1011	365025	6589474
1012	365032	6589467
1013	365033	6589467
1014	365038	6589461
1015	365118	6589534
1016	365121	6589537
1017	365126	6589541
1018	365131	6589544
1019	365137	6589547
1020	365142	6589549
1021	365148	6589550
1022	365155	6589550
1023	365161	6589550

Coordinate No	Easting	Northing
1024	365167	6589549
1025	365173	6589547
1026	365178	6589545
1027	365183	6589542
1028	365188	6589538
1029	365193	6589534
1030	365840	6588814
1031	366203	6589095
1032	366223	6589057
1033	366351	6588796
1034	366373	6588745
1035	366394	6588683
1036	366468	6588581
1037	366548	6588612
1038	366934	6588770
1039	367552	6587835
1040	367481	6587511
1041	367654	6587140
1042	367866	6586702
1043	367784	6586697
1044	366883	6586628
1045	366620	6587161
1046	366429	6587451
1047	366253	6587719
1048	366185	6587864
1049	366180	6587876
1050	366108	6588032
1051	365959	6588359
1052	365829	6588643
1053	365539	6588966
1054	365249	6589289
1055	365169	6589378
1056	365167	6589376
1057	365165	6589374
1058	365162	6589372
1059	365159	6589371
1060	365157	6589369
1061	365155	6589368
1062	365151	6589367
1063	365144	6589362
1064	365136	6589357
1065	365135	6589356
1066	365133	6589355
1067	365133	6589355
1068	365133	6589355

Coordinate No	Easting	Northing
1069	365140	6589347
1070	365146	6589340
1071	365153	6589332
1072	365153	6589332
1073	365160	6589325
1074	365160	6589325
1075	365160	6589324
1076	365166	6589317
1077	365173	6589310
1078	365179	6589303
1079	365179	6589303
1080	365186	6589295
1081	365186	6589295
1082	365193	6589288
1083	365199	6589280
1084	365206	6589273
1085	365206	6589273
1086	365213	6589266
1087	365213	6589265
1088	365220	6589258
1089	365226	6589251
1090	365233	6589243
1091	365233	6589243
1092	365240	6589235
1093	365240	6589235
1094	365240	6589235
1095	365247	6589228
1096	365253	6589221
1097	365260	6589213
1098	365260	6589213
1099	365266	6589206
1100	365266	6589206
1101	365273	6589199
1102	365273	6589198
1103	365280	6589191
1104	365280	6589191
1105	365287	6589183
1106	365287	6589183
1107	365289	6589180
1108	365291	6589178
1109	365293	6589175
1110	365294	6589172
1111	365296	6589169
1112	365297	6589166
1113	365298	6589163

Coordinate No	Easting	Northing
1114	365298	6589160
1115	365299	6589156
1116	365299	6589153
1117	365299	6589150
1118	365299	6589147
1119	365299	6589143
1120	365298	6589140
1121	365298	6589137
1122	365297	6589134
1123	365296	6589131
1124	365294	6589128
1125	365293	6589125
1126	365291	6589122
1127	365289	6589119
1128	365287	6589117
1129	365285	6589115
1130	365282	6589112
1131	365282	6589112
1132	365281	6589112
1133	365281	6589111
1134	365281	6589111
1135	365280	6589111
1136	365280	6589110
1137	365279	6589109
1138	365278	6589109
1139	365278	6589108
1140	365277	6589107
1141	365276	6589107
1142	365275	6589106
1143	365275	6589106
1144	365275	6589106
1145	365275	6589106
1146	365275	6589106
1147	365275	6589105
1148	365274	6589105
1149	365272	6589103
1150	365269	6589101
1151	365266	6589099
1152	365263	6589098
1153	365260	6589096
1154	365257	6589095
1155	365254	6589094
1156	365251	6589093
1157	365248	6589093
1158	365244	6589093

Coordinate No	Easting	Northing
1159	365241	6589093
1160	365238	6589093
1161	365235	6589093
1162	365231	6589093
1163	365228	6589094
1164	365225	6589095
1165	365222	6589096
1166	365219	6589098
1167	365216	6589099
1168	365213	6589101
1169	365211	6589103
1170	365208	6589105
1171	365206	6589107
1172	365204	6589109
1173	365204	6589109
1174	365203	6589110
1175	365203	6589110
1176	365196	6589118
1177	365191	6589125
1178	365185	6589131
1179	365184	6589132
1180	365182	6589134
1181	365179	6589135
1182	365176	6589136
1183	365173	6589138
1184	365170	6589139
1185	365167	6589141
1186	365165	6589143
1187	365162	6589145
1188	365160	6589147
1189	365160	6589147
1190	365153	6589154
1191	365152	6589155
1192	365146	6589161
1193	365139	6589168
1194	365139	6589168
1195	365139	6589168
1196	365132	6589176
1197	365129	6589178
1198	365128	6589179
1199	365124	6589184
1200	365119	6589189
1201	365118	6589190
1202	365116	6589192
1203	365116	6589193

Coordinate No	Easting	Northing
1204	365109	6589200
1205	365103	6589206
1206	365102	6589207
1207	365101	6589209
1208	365095	6589216
1209	365090	6589222
1210	365083	6589229
1211	365083	6589230
1212	365082	6589231
1213	365076	6589239
1214	365074	6589240
1215	365074	6589241
1216	365068	6589249
1217	365067	6589250
1218	365063	6589257
1219	365058	6589263
1220	365052	6589270
1221	365045	6589277
1222	365045	6589277
1223	365045	6589277
1224	365038	6589285
1225	365032	6589292
1226	365026	6589299
1227	365025	6589299
1228	365024	6589301
1229	365019	6589308
1230	365018	6589308
1231	365017	6589307
1232	365017	6589307
1233	365017	6589305
1234	365018	6589305
1235	365018	6589302
1236	365019	6589299
1237	365020	6589295
1238	365020	6589292
1239	365020	6589290
1240	365020	6589285
1241	365020	6589281
1242	365020	6589278
1243	365019	6589275
1244	365018	6589270
1245	365018	6589270
1246	365018	6589267
1247	365017	6589264
1248	365016	6589262

Coordinate No	Easting	Northing
1249	365014	6589257
1250	365014	6589256
1251	365012	6589253
1252	365011	6589250
1253	365009	6589247
1254	365007	6589244
1255	365006	6589243
1256	365003	6589239
1257	365002	6589238
1258	365000	6589236
1259	364997	6589234
1260	364995	6589231
1261	364994	6589231
1262	364991	6589228
1263	364989	6589227
1264	364986	6589225
1265	364983	6589224
1266	364980	6589222
1267	364977	6589221
1268	364974	6589220
1269	364971	6589219
1270	364967	6589219
1271	364967	6589219
1272	364962	6589218
1273	364959	6589218
1274	364956	6589218
1275	364953	6589218
1276	364951	6589218
1277	364945	6589219
1278	364943	6589219
1279	364940	6589220
1280	364938	6589220
1281	364935	6589221
1282	364931	6589221
1283	364931	6589221
1284	364931	6589221
1285	364928	6589221
1286	364927	6589221
1287	364924	6589221
1288	364924	6589221
1289	364923	6589221
1290	364923	6589221
1291	364920	6589221
1292	364919	6589221
1293	364916	6589221

Coordinate No	Easting	Northing
1294	364915	6589221
1295	364913	6589221
1296	364913	6589221
1297	364911	6589221
1298	364909	6589221
1299	364907	6589222
1300	364907	6589222
1301	364905	6589222
1302	364903	6589222
1303	364901	6589223
1304	364899	6589223
1305	364899	6589223
1306	364897	6589223
1307	364895	6589224
1308	364892	6589224
1309	364892	6589225
1310	364891	6589225
1311	364888	6589226
1312	364886	6589226
1313	364884	6589227
1314	364884	6589227
1315	364882	6589228
1316	364880	6589229
1317	364879	6589229
1318	364878	6589229
1319	364875	6589230
1320	364874	6589231
1321	364871	6589232
1322	364871	6589232
1323	364870	6589233
1324	364869	6589233
1325	364867	6589234
1326	364867	6589235
1327	364866	6589235
1328	364865	6589236
1329	364863	6589237
1330	364861	6589238
1331	364861	6589239
1332	364859	6589240
1333	364857	6589241
1334	364855	6589242
1335	364855	6589243
1336	364854	6589244
1337	364852	6589245
1338	364850	6589246

Coordinate No	Easting	Northing
1339	364850	6589246
1340	364849	6589248
1341	364847	6589249
1342	364845	6589251
1343	364844	6589252
1344	364844	6589252
1345	364842	6589254
1346	364841	6589256
1347	364839	6589257
1348	364839	6589258
1349	364838	6589259
1350	364837	6589261
1351	364836	6589262
1352	364835	6589263
1353	364835	6589263
1354	364834	6589263
1355	364832	6589267
1356	364826	6589275
1357	364826	6589275
1358	364819	6589283
1359	364819	6589283
1360	364819	6589284
1361	364816	6589287
1362	364813	6589291
1363	364808	6589298
1364	364802	6589305
1365	364800	6589307
1366	364798	6589310
1367	364797	6589311
1368	364790	6589318
1369	364790	6589318
1370	364784	6589325
1371	364781	6589328
1372	364777	6589332
1373	364771	6589339
1374	364770	6589339
1375	364763	6589346
1376	364762	6589348
1377	364762	6589348
1378	364749	6589363
1379	364742	6589371
1380	364742	6589371
1381	364736	6589378
1382	364735	6589379
1383	364716	6589401

Coordinate No	Easting	Northing
1384	364709	6589409
1385	364703	6589416
1386	364690	6589431
1387	364684	6589438
1388	364678	6589445
1389	364677	6589446
1390	364674	6589449
1391	364673	6589451
1392	364669	6589456
1393	364652	6589474
1394	364651	6589475
1395	364644	6589482
1396	364644	6589482
1397	364627	6589500
1398	364627	6589501
1399	364624	6589504
1400	364623	6589505
1401	364619	6589509
1402	364617	6589511
1403	364617	6589511
1404	364610	6589519
1405	364610	6589520
1406	364603	6589527
1407	364597	6589534
1408	364596	6589534
1409	364589	6589542
1410	364589	6589542
1411	364589	6589542
1412	364582	6589550
1413	364582	6589550
1414	364578	6589555
1415	364576	6589557
1416	364576	6589557
1417	364576	6589558
1418	364572	6589562
1419	364572	6589562
1420	364570	6589565
1421	364567	6589568
1422	364566	6589568
1423	364565	6589570
1424	364565	6589570
1425	364564	6589571
1426	364562	6589574
1427	364562	6589574
1428	364559	6589577

Coordinate No	Easting	Northing
1429	364556	6589581
1430	364556	6589581
1431	364552	6589585
1432	364552	6589585
1433	364549	6589589
1434	364549	6589590
1435	364545	6589593
1436	364545	6589594
1437	364542	6589598
1438	364542	6589598
1439	364539	6589602
1440	364539	6589602
1441	364536	6589605
1442	364534	6589608
1443	364532	6589611
1444	364530	6589612
1445	364527	6589616
1446	364526	6589616
1447	364523	6589619
1448	364522	6589620
1449	364521	6589621
1450	364518	6589625
1451	364516	6589626
1452	364516	6589626
1453	364513	6589630
1454	364513	6589630
1455	364509	6589634
1456	364509	6589635
1457	364506	6589638
1458	364506	6589639
1459	364502	6589643
1460	364502	6589643
1461	364499	6589647
1462	364498	6589648
1463	364498	6589648
1464	364495	6589652
1465	364495	6589652
1466	364492	6589656
1467	364489	6589659
1468	364489	6589660
1469	364488	6589662
1470	364485	6589664
1471	364485	6589664
1472	364480	6589667
1473	364478	6589668

Coordinate No	Easting	Northing
1474	364478	6589668
1475	364475	6589671
1476	364476	6589668
1477	364476	6589665
1478	364477	6589662
1479	364477	6589661
1480	364477	6589657
1481	364477	6589653
1482	364478	6589646
1483	364477	6589641
1484	364477	6589636
1485	364476	6589630
1486	364476	6589628
1487	364475	6589624
1488	364474	6589619
1489	364473	6589616
1490	364472	6589613
1491	364470	6589607
1492	364469	6589606
1493	364468	6589602
1494	364465	6589596
1495	364463	6589593
1496	364460	6589588
1497	364456	6589582
1498	364453	6589579
1499	364449	6589574
1500	364446	6589571
1501	364445	6589570
1502	364442	6589566
1503	364437	6589562
1504	364434	6589559
1505	364431	6589557
1506	364421	6589548
1507	364418	6589546
1508	364414	6589543
1509	364411	6589541
1510	364408	6589538
1511	364404	6589536
1512	364397	6589533
1513	364393	6589531
1514	364389	6589529
1515	364382	6589527
1516	364380	6589527
1517	364375	6589525
1518	364371	6589524

Coordinate No	Easting	Northing
1519	364366	6589524
1520	364362	6589523
1521	364359	6589523
1522	364356	6589523
1523	364352	6589523
1524	364349	6589523
1525	364346	6589523
1526	364344	6589523
1527	364339	6589523
1528	364335	6589524
1529	364330	6589525
1530	364329	6589525
1531	364324	6589526
1532	364319	6589527
1533	364318	6589528
1534	364317	6589528
1535	364312	6589530
1536	364307	6589532
1537	364306	6589532
1538	364303	6589534
1539	364301	6589535
1540	364298	6589537
1541	364296	6589538
1542	364291	6589541
1543	364290	6589541
1544	364286	6589544
1545	364282	6589548
1546	364281	6589548
1547	364278	6589551
1548	364275	6589554
1549	364200	6589614
1550	364195	6589617
1551	364190	6589620
1552	364186	6589624
1553	364182	6589628
1554	364179	6589632
1555	364122	6589680
1556	364118	6589682
1557	364114	6589685
1558	364113	6589686
1559	364095	6589702
1560	364094	6589702
1561	364086	6589710
1562	364081	6589714
1563	364078	6589717

Coordinate No	Easting	Northing
1564	364076	6589720
1565	363329	6590484
1566	363324	6590487
1567	363320	6590491
1568	363317	6590496
1569	363123	6590703
1570	363119	6590707
1571	363116	6590712
1572	363004	6590900
1573	363001	6590905
1574	362862	6591205
1575	362728	6591431
1576	362725	6591436
1577	362723	6591441
1578	362722	6591447
1579	362721	6591453
1580	362721	6591453
1581	362559	6591689
1582	362421	6591869
1583	362418	6591874
1584	362415	6591880
1585	362374	6591917
1586	362373	6591918
1587	362369	6591921
1588	362365	6591926
1589	362292	6592013
1590	362291	6592014
1591	362237	6592083
1592	362236	6592084
1593	362235	6592085
1594	362198	6592140
1595	362195	6592145
1596	362151	6592224
1597	362095	6592318
1598	362024	6592410
1599	362020	6592415
1600	362003	6592440
1601	361876	6592599
1602	361875	6592600
1603	361739	6592781
1604	361632	6592918
1605	361628	6592923
1606	361626	6592928
1607	361311	6593284
1608	361211	6593387

Coordinate No	Easting	Northing
1609	361210	6593387
1610	361210	6593388
1611	361074	6593538
1612	361072	6593541
1613	361034	6593588
1614	360884	6593779
1615	360860	6593818
1616	360972	6593906
1617	360814	6594114
1618	360583	6594442
1619	360580	6594446
1620	360577	6594452
1621	360574	6594458
1622	360546	6594527
1623	360423	6594284
1624	360492	6594207
1625	360338	6593883
1626	359901	6594586
1627	360279	6594742
1628	360283	6594793
1629	360488	6594796
1630	360488	6594856
1631	360224	6594853
1632	360217	6594866
1633	360195	6594893
1634	359614	6595647
1635	359357	6595537
1636	359137	6595821
1637	358219	6597008
1638	357522	6597923
1639	357518	6597923
1640	357273	6598297
1641	357544	6598608
1642	357207	6599067
1643	357365	6599183
1644	357128	6599508
1645	356969	6599391
1646	356304	6600296
1647	356062	6600108
1648	356049	6601025
1649	356051	6601027
1650	356056	6601031
1651	356194	6601139
1652	356449	6601338
1653	356663	6601063

Coordinate No	Easting	Northing
1654	356667	6601058
1655	356670	6601053
1656	356672	6601047
1657	356709	6600964
1658	356712	6600959
1659	356714	6600953
1660	356716	6600947
1661	356716	6600943
1662	356743	6600906
1663	356747	6600905
1664	356752	6600902
1665	356758	6600899
1666	356763	6600895
1667	356767	6600890
1668	356771	6600885
1669	356774	6600880
1670	356776	6600874
1671	356777	6600868
1672	356778	6600862
1673	356778	6600857
1674	356952	6600617
1675	356952	6600611
1676	356952	6600606
1677	356957	6600567
1678	356957	6600563
1679	356958	6600560
1680	356961	6600546
1681	356963	6600541
1682	356972	6600517
1683	356975	6600511
1684	356992	6600480
1685	356993	6600479
1686	356995	6600474
1687	357001	6600467
1688	357004	6600464
1689	357022	6600446
1690	357026	6600443
1691	357028	6600441
1692	357032	6600438
1693	357037	6600435
1694	357044	6600431
1695	357069	6600408
1696	357071	6600406
1697	357083	6600398
1698	357088	6600395

Coordinate No	Easting	Northing
1699	357092	6600392
1700	357098	6600390
1701	357112	6600384
1702	357121	6600382
1703	357558	6599776
1704	357569	6599771
1705	357575	6599768
1706	357575	6599768
1707	357676	6599720
1708	357681	6599717
1709	357686	6599713
1710	357690	6599708
1711	357694	6599703
1712	357750	6599632
1713	357752	6599630
1714	357755	6599625
1715	357758	6599619
1716	357761	6599613
1717	357762	6599607
1718	357763	6599601
1719	357763	6599595
1720	357762	6599589
1721	357761	6599583
1722	357758	6599577
1723	357755	6599571
1724	357752	6599566
1725	357747	6599562
1726	357742	6599558
1727	357730	6599548
1728	357838	6599418
1729	357942	6599608
1730	358079	6599898
1731	358003	6599965

Coordinate No	Easting	Northing
1732	357716	6600326
1733	357435	6600681
1734	357154	6601035
1735	356873	6601390
1736	356593	6601742
1737	356292	6602051
1738	356170	6602176
1739	355998	6602253
1740	355986	6602262
1741	355752	6602495
1742	355360	6602907
1743	355271	6603051
1744	355325	6603083
1745	355408	6602944
1746	356032	6602309
1747	356193	6602236
1748	356335	6602092
1749	356639	6601781
1750	356920	6601426
1751	357201	6601072
1752	357482	6600717
1753	357763	6600362
1754	358044	6600008
1755	358146	6599916
1756	358147	6599916
1757	358152	6599912
1758	358157	6599908
1759	358159	6599907
1760	358184	6599883
1761	358298	6599780
1762	358552	6599553
1763	358578	6599538

Table 5: Coordinates defining Cataby Mineral Sands Project Area of No Mining [Map Grid of Australia MGA94 zone 50].

Coordinate No.	Easting	Northing
1	362073	6596916
2	362003	6596908
3	361977	6596908
4	361962	6596893
5	361964	6596882
6	361967	6596869
7	361976	6596860
8	361958	6596801
9	361982	6596788
10	361981	6596737
11	361911	6596738
12	361880	6596731
13	361853	6596701
14	361830	6596664
15	361816	6596626
16	361808	6596609
17	361794	6596596
18	361794	6596593
19	361785	6596581
20	361780	6596575
21	361777	6596570
22	361777	6596557
23	361782	6596542
24	361789	6596528
25	361791	6596512
26	361794	6596497
27	361796	6596482
28	361796	6596474
29	361846	6596456
30	361860	6596293
31	361877	6596271
32	361880	6596267
33	361883	6596260
34	361883	6596244
35	361880	6596229
36	361873	6596214
37	361868	6596201
38	361866	6596194
39	361865	6596179
40	361864	6596169
41	361861	6596162
42	361852	6596150
43	361849	6596145

Coordinate No.	Easting	Northing
44	361846	6596135
45	361846	6596130
46	361850	6596115
47	361855	6596100
48	361861	6596087
49	361865	6596072
50	361865	6596058
51	361864	6596043
52	361862	6596028
53	361861	6596013
54	361860	6595997
55	361855	6595984
56	361846	6595971
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58	361838	6595950
59	361838	6595941
60	361842	6595926
61	361843	6595921
62	361843	6595918
63	361817	6595906
64	361796	6595914
65	361774	6595921
66	361728	6595908
67	361725	6595876
68	361712	6595853
69	361754	6595829
70	361798	6595836
71	361815	6595835
72	361816	6595762
73	361816	6595753
74	361818	6595738
75	361819	6595723
76	361820	6595708
77	361824	6595693
78	361825	6595678
79	361828	6595663
80	361833	6595648
81	361841	6595635
82	361846	6595628
83	361848	6595623
84	361849	6595615
85	361846	6595601
86	361845	6595586

Coordinate No.	Easting	Northing
87	361845	6595577
88	361839	6595563
89	361833	6595551
90	361827	6595538
91	361823	6595529
92	361822	6595522
93	361822	6595517
94	361832	6595505
95	361838	6595499
96	361845	6595486
97	361848	6595472
98	361851	6595458
99	361855	6595444
100	361856	6595428
101	361856	6595414
102	361854	6595408
103	361851	6595404
104	361845	6595400
105	361838	6595397
106	361823	6595397
107	361808	6595395
108	361792	6595392
109	361778	6595389
110	361763	6595389
111	361748	6595389
112	361742	6595388
113	361738	6595386
114	361728	6595374
115	361723	6595370
116	361718	6595368
117	361712	6595368
118	361697	6595375
119	361685	6595382
120	361670	6595386
121	361654	6595389
122	361638	6595388
123	361633	6595388
124	361627	6595385
125	361615	6595375
126	361602	6595366
127	361598	6595364
128	361592	6595365
129	361578	6595370
130	361564	6595375
131	361557	6595378

Coordinate No.	Easting	Northing
132	361543	6595374
133	361524	6595381
134	361437	6595395
135	361370	6595420
136	361311	6595459
137	361269	6595490
138	361253	6595504
139	361307	6595570
140	361369	6595637
141	361420	6595719
142	361492	6595789
143	361540	6595864
144	361595	6595933
145	361667	6596035
146	361724	6596122
147	361745	6596180
148	361772	6596343
149	361748	6596446
150	361694	6596535
151	361703	6596654
152	361734	6596861
153	361736	6596928
154	361738	6596938
155	361736	6596939
156	361721	6596980
157	361710	6597030
158	361676	6597199
159	361634	6597313
160	361589	6597352
161	361569	6597497
162	361626	6597525
163	361625	6597595
164	361799	6597662
165	361797	6597666
166	361801	6597682
167	361816	6597687
168	361830	6597686
169	361888	6597594
170	361892	6597586
171	361898	6597571
172	361904	6597558
173	361910	6597543
174	361917	6597529
175	361923	6597515
176	361928	6597501

Coordinate No.	Easting	Northing
177	361934	6597486
178	361939	6597473
179	361944	6597458
180	361971	6597382
181	361994	6597318
182	362000	6597304
183	362004	6597290
184	362004	6597289
185	362009	6597275
186	362013	6597263
187	362014	6597260
188	362019	6597245
189	362025	6597230
190	362029	6597216
191	362034	6597201
192	362040	6597186
193	362041	6597183

Coordinate No.	Easting	Northing
194	362053	6597137
195	362055	6597126
196	362055	6597112
197	362061	6597065
198	362062	6597059
199	362068	6597044
200	362073	6597029
201	362076	6597015
202	362077	6596999
203	362079	6596983
204	362080	6596967
205	362079	6596952
206	362079	6596937
207	362079	6596930
208	362076	6596921
209	362073	6596916

Attachment 1 to Ministerial Statement 1017

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

This Attachment replaces Schedule 1 of Ministerial Statement 1017

Proposal: Cataby Mineral Sands Project, Cataby, Shire of Dandaragan

Proponent: Iluka Resources Limited

Changes:

- Increase in the Area of Disturbance by 151.5 ha from 1942 ha to 2093.5 ha
- Increase in the Development Envelope by 110.3 ha from 2514 ha to 2624.3 ha
- Decrease in native vegetation clearing by 2.9 ha from 156 ha to 153.1 ha
- Increase in the volume of overburden handled by 10 Mt from 164 Mt to 174 Mt
- Removal of Western Power corridor extension from Development Envelope

Table 1: Summary of the Proposal

Proposal Title	Cataby Mineral Sands Project, Cataby, Shire of Dandaragan
Short Description	The proposal is to mine a series of open pits over approximately 25 km, within the Cataby Heavy Mineral Sands Project located approximately 150 km north of Perth.

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

Element	Location	Previously Authorised Extent	Authorised Extent
Rehabilitation	N/A	Ongoing throughout mine life	Ongoing throughout mine life
Overburden Volume	N/A	164 Mt	174 Mt
Extraction Method	N/A	Dry Mining	Dry Mining
Size of Mine Pits	N/A	6 to 119 ha	6 to 119 ha
Depth of Mine Pits	N/A	Ranging from 17 to 60 m	Ranging from 17 to 60 m
Development Envelope	Figure 1	No more than 2514 ha	No more than 2624.3 ha
Area of Disturbance		No more than 1942 ha	No more than 2093.5 ha
Area of Native Vegetation Disturbance		No more than 156 ha	No more than 153.1 ha

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

Table 3: Abbreviations

Abbreviation	Term
CEO	Chief Executive Officer
GL	gigalitre
ha	hectare
km	kilometre
Mt	million tonnes

Figures (attached)

Figure 1 – Cataby Mineral Sands Project Development Envelope

Coordinates defining the approved Development Envelope and Total Disturbance Footprint for the Cataby Mineral Sands Project are held by the Department of Water and Environmental Regulation (Document Reference Number: DWERDT444769).



Professor Matthew Tonts

CHAIR

Environmental Protection Authority
under delegated authority

Approval date:14.5.2021

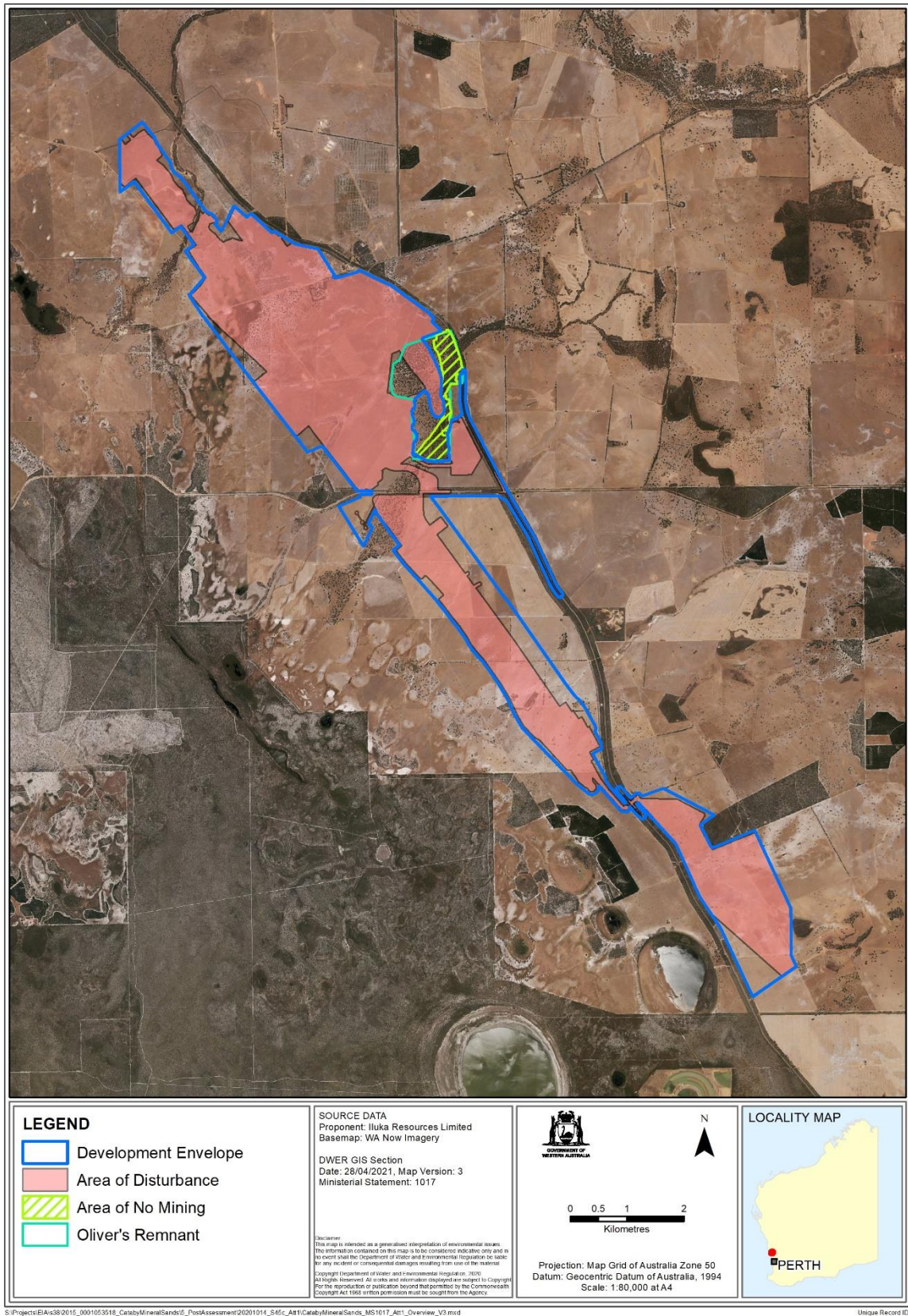


Figure 1: Cataby Mineral Sands Project Development Envelope

Attachment 2 to Ministerial Statement 1017

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

This Attachment replaces Attachment 1 of Ministerial Statement 1017

Proposal: Cataby Mineral Sands Project

Proponent: Iluka Resources Limited

Changes:

- Development of three additional open pits
- Development Envelope to increase to 3,288.7 ha
- Area of Disturbance to increase to 2,988 ha
- Disturbance Footprint to be indicative
- Additional clearing of native vegetation of 9 ha to a total of 162.1 ha
- Removal of the “overburden volume” element from the Proposal

Table 1: Summary of the proposal

Proposal title	Cataby Mineral Sands Project
Short description	The proposal is to mine a series of open pits over approximately 25 km, within the Cataby Heavy Mineral Sands Project located approximately 150 km north of Perth

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

Element	Location	Previously Authorised Extent	Authorised Extent
Rehabilitation	N/A	Ongoing throughout mine life	Ongoing throughout mine life
Extraction Method	N/A	Dry Mining	Dry Mining
Size of Mine Pits	N/A	6 to 119 ha	6 to 119 ha
Depth of Mine Pits	N/A	Ranging from 17 to 60 m	Ranging from 17 to 60 m
Development Envelope	Figure 1	No more than 2624.3 ha	No more than 3,288.7 ha
Area of Disturbance		No more than 2093.5 ha	No more than 2,988 ha
Area of Native Vegetation Disturbance		No more than 153.1 ha	No more than 162.1 ha

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

Table 3: Abbreviations

Abbreviation	Term
CEO	Chief Executive Officer
ha	hectare
km	kilometre
Mt	Million tonnes

Figures (attached)

Figure 1: Cataby Mineral Sands Project development envelope and indicative disturbance footprint

All co-ordinates are in metres, listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geocentric Datum of Australia 2020 (GDA2020).

Spatial data depicting the figures are held by the Department of Water and Environmental Regulation in Environment Online: APP-0027388.5

**Darren Walsh**

CHAIR

Environmental Protection Authority
under delegated authority

Approval date: 15 September 2025

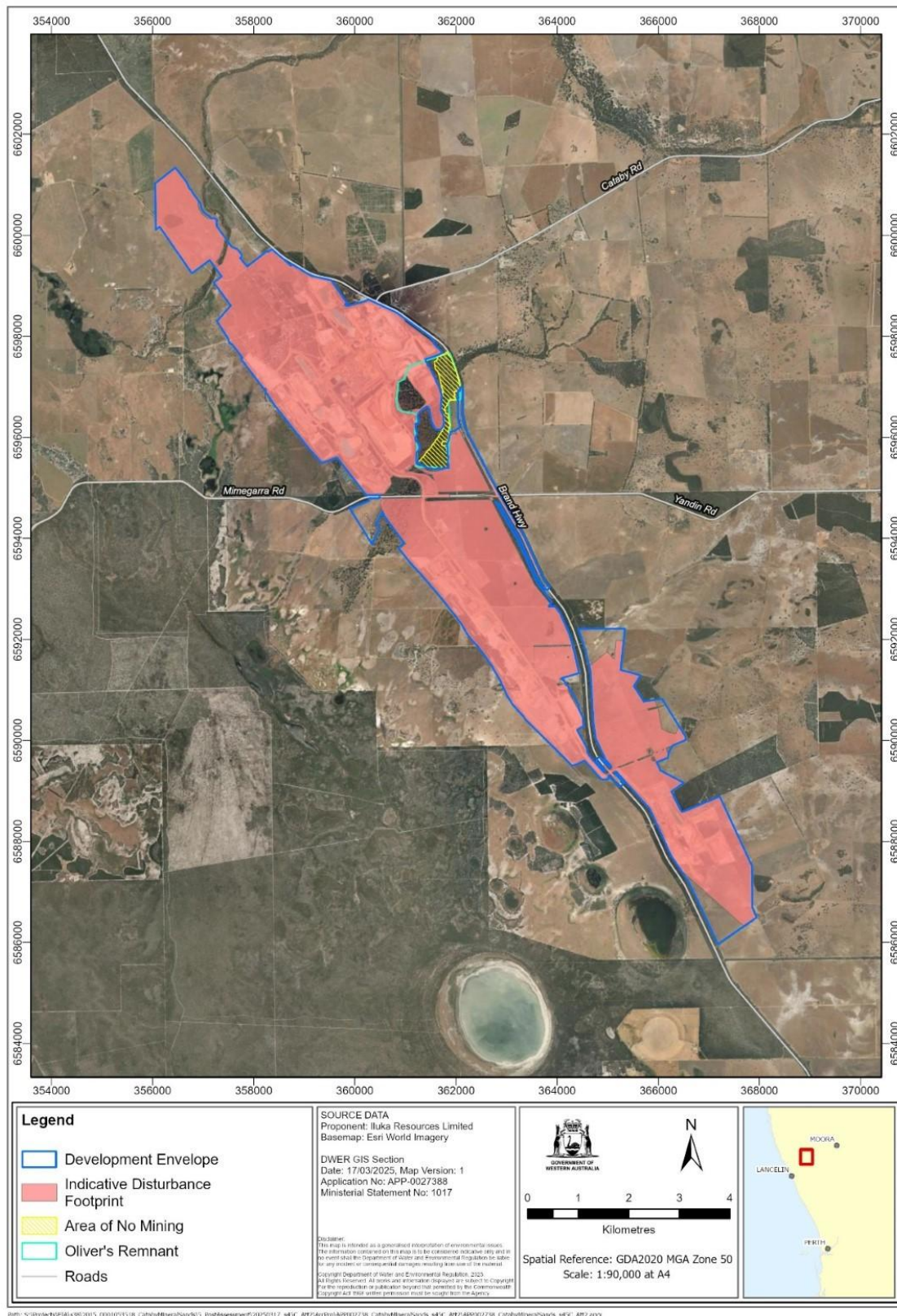


Figure 1: Cataby Mineral Sands Project development envelope and indicative disturbance footprint