



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Ass # 978
Bull # 840
State # 439

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

OREBODY 18 IRON ORE MINE, ML 244SA
32 KM EAST OF NEWMAN
SHIRE OF EAST PILBARA (978)

BHP IRON ORE PTY LTD

This proposal may be implemented subject to the following conditions:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

- 1-1 In implementing the proposal, the proponent shall fulfil the commitments made in the Consultative Environmental Review and in response to issues raised following public submissions; provided that the commitments are not inconsistent with the conditions or procedures contained in this statement. In the event of any inconsistency, the conditions and procedures shall prevail to the extent of the inconsistency.

A copy of the environmental management commitments (December 1996) is attached.

2 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

- 2-1 Subject to these conditions, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal.

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- 2-2 Where, in the course of the detailed implementation referred to in condition 2-1, the proponent seeks to change the designs, specifications, plans or other technical material submitted to the Environmental Protection Authority in any way that the Minister for the Environment determines, on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

3 Proponent

These conditions legally apply to the nominated proponent.

- 3-1 No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.

4 Environmental Management

- 4-1 The proponent shall exercise all care and due diligence in managing the proposal to ensure the protection of the environment.
- 4-2 The proponent shall prepare and implement an environmental management plan and environmental management procedures in order to implement the proposal and shall manage the relevant environmental factors to ensure that the environmental objectives (Section 3, Environmental Protection Authority Bulletin 840) are met.
- 4-3 The plan referred to in condition 4-2 shall adopt quality assurance principles (such as those adopted in Australian Standards ISO 9000 series) and environmental management principles (such as those adopted in the voluntary Australian Standards ISO 14000 [draft] series), with appropriate monitoring, auditing and reporting to ensure compliance with these conditions and the on-going protection of the environment.
- 4-4 If, through the implementation of the environmental management procedures referred to in condition 4-2, the proponent identifies a relevant environmental factor not reported on in Environmental Protection Authority Bulletin 840, the proponent shall immediately report to the Minister for the Environment on that factor, providing a proposed objective and the suggested means for managing the factor to achieve the objective.

5 Decommissioning

- 5-1 The proponent shall achieve the satisfactory decommissioning of the project, removal of plant and installations and rehabilitation of the site and its environs.
- 5-2 To achieve the objective of condition 5-1, within five years following commissioning, or at such later time considered appropriate by the Minister for the Environment on advice of the Department of Environmental Protection, the proponent shall prepare a plan which:
- 1 describes the process for the decommissioning and rehabilitation of the project area;
 - 2 provides for the long term management of water quality; and

- 3 provides for the development of a 'walk away' solution for the decommissioned mine pits, overburden storage areas, the ore processing facilities and associated infrastructure including the rail spur,

to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection, the Department of Resources Development, the Department of Minerals and Energy and the Water and Rivers Commission.

Note: A 'walk away' solution means that the site shall either no longer require management at the time the proponent ceases operations, or if further management is deemed necessary, the proponent shall make adequate provision so that the required management is undertaken with no liability to the State.

- 5-3 The proponent shall implement the plan required by condition 5-2.

6 Time Limit on Approval

The environmental approval for the proposal is limited.

- 6-1 If the proponent has not substantially commenced the project within five years of the date of this statement, then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment shall determine any question as to whether the project has been substantially commenced.

Any application to extend the period of five years referred to in this condition shall be made before the expiration of that period to the Minister for the Environment.

Where the proponent demonstrates to the requirements of the Minister for the Environment on advice of the Department of Environmental Protection that the environmental parameters of the proposal have not changed significantly, then the Minister may grant an extension not exceeding five years.

7 Compliance Auditing

To help determine environmental performance and compliance with the conditions, periodic reports on the implementation of the proposal are required.

- 7-1 The proponent shall submit periodic Performance and Compliance Reports, in accordance with an audit programme prepared by the Department of Environmental Protection in consultation with the proponent.

Procedure

- 1 Unless otherwise specified, the Department of Environmental Protection is responsible for assessing compliance with the conditions contained in this statement and for issuing formal clearance of conditions.
- 2 Where compliance with any condition is in dispute, the matter will be determined by the Minister for the Environment.

Note

- 1 The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act.
- 2 The Environmental Protection Authority reported on the proposal in Bulletin 840 (December 1996).



CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

- 5 FEB 1997

Proponent's Environmental Management Commitments

December 1996

**OREBODY 18 IRON ORE MINE, ML 244SA
32 KM EAST OF NEWMAN
SHIRE OF EAST PILBARA (978)**

BHP IRON ORE PTY LTD

- 1 The proponent will prepare, to a timetable agreed upon by the Department of Environmental Protection, and implement an Environmental Management Programme (EMP) for the Orebody 18 Project to the satisfaction of the Environmental Protection Authority, on advice from the Department of Environmental Protection and the Department of Minerals and Energy.
- 2 The EMP will be developed in accordance with statutory conditions applied to the approved operations.
- 3 The EMP will be reviewed and updated as necessary.



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Mr C Brown
General Manager Strategic Development
BHP Iron Ore Pty Ltd
PO Box 7122 Cloisters Square
PERTH WA 6850

Dear Mr Brown

**OREBODY 18 IRON ORE MINE, ML244SA 32 KM EAST OF
NEWMAN (STATEMENT 439)**

I refer to your letter of 9 October 1997 to the Department of Environmental Protection, in which you described BHP Iron Ore's proposal to make some changes to the approved Orebody 18 project.

The Environmental Protection Authority has provided advice to me regarding the environmental significance of changes to the project that include an increased pit area, an increased waste dump footprint and an increased water extraction rate.

I consider the proposed changes to the project to be not substantial. Accordingly, under Condition 2-2 of the statement of environmental approval of 6 February 1997:

- I advise that the proposed changes, as described in correspondence of 9 October 1997, may be implemented as part of the Orebody 18 project.

Please note that the above information refers to environmental issues in the Statement of 6 February 1997. This does not remove the necessity to obtain any approvals which may be required by other agencies.

Yours sincerely


CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

- 3 DEC 1997

Attachment 1 to Statement 439
Change to Proposal

Proposal: Orebody 18 Iron Ore Mine, ML 2445A, 32 km east of Newman, Shire of East Pilbara (978)

Proponent: BHP Billiton Iron Ore Pty Ltd

Change:

This attachment authorises the following changes to Orebody 18 Mine:

- Modification to pit areas and depths to increase resource recovery;
- Enlargement of temporary stockpiles for separately storing different ore grades;
- Adjustments to areas and locations of out-of-pit overburden storage areas;
- An alteration to the arrangement of train wagons;
- An increase in the workforce; and
- Establishment of a Maximum Disturbance Boundary (depicted in the attached Figure 1 and defined by the coordinates in Table 3 below) around the mine site, within which adjustments to final mine landform designs can be made subject to the Components of Changed Proposal, Table 2 below and the implementation of the Life of Mine management framework outlined in the Section 45C application (BHP Billiton, May 2008. Orebody 18 Mine Modification, Application under Section 45C of the *Environmental Protection Act, 1986*)).

Table 1, Components of original Proposal as implemented:

Component	Quantities/Description
Total Production (Projected)	116 Mt
Average Stripping Ratio	1:1
Area of Pit	163 ha
Maximum Depth of Pit	120 m
Area of Ore Stockpiles	56 ha
Area of Overburden Storage Areas	154 ha
Total Overburden (Projected)	116 Mt
Overburden Storage Areas - East	94 Mt (Max. height 630 mRL)
Overburden Storage Areas – North-West	17 Mt (Max. height 730 mRL)
Overburden Storage Areas – West	5 Mt (Max. height 590 mRL)
Train Length (Average)	240 wagons (100 tonnes capacity each)
Workforce (Permanent)	100 - 150
Maximum area of disturbance within the Maximum Disturbance Boundary	<i>Not included in the original key characteristics table</i>

Table 2, Components of changed Proposal:

Component	Quantities/Description
Total Production (Projected)	195 Mt
Average Stripping Ratio	1:1.5
Area of Pit	191 ha
Maximum Depth of Pit	150 m
Area of Ore Stockpiles	98 ha
Area of Overburden Storage Areas	127 ha
Total Overburden (Projected)	72 Mt
Overburden Storage Areas - East	27 Mt (Max. height 630 mRL)
Overburden Storage Areas – North-West	25 Mt (Max. height 730 mRL)
Overburden Storage Areas – West	20 Mt (Max. height 590 mRL)
Train Length (Average)	110 wagons (120 tonnes capacity each)
Workforce (Permanent)	180 - 230
Maximum total area of disturbance within the Maximum Disturbance Boundary	610 ha

**Approved under delegation
from Minister for the Environment:**
Delegation under section 18 of
the Environmental Protection Act
Dated 24 November 2004


Dr Paul Vogel
Chairman
Environmental Protection Authority

S45C Approval Date: 19-8-08

Table 3, Coordinates of Maximum Disturbance Boundary:
(Datum: GDA 94 Projection: MGA Zone 51)

ID	X_COORD	Y_COORD
1	199653.7839	7417603.5853
2	199689.4022	7417589.4191
3	199703.6960	7417583.7341
4	199778.5929	7417559.3552
5	199871.1778	7417525.2428
6	199894.6394	7417512.3554
7	199924.8838	7417495.7423
8	199929.2103	7417493.3658
9	200006.9514	7417478.4415
10	200004.7572	7417391.6189
11	200017.5219	7417352.9038
12	199957.0105	7417340.2866
13	199922.6861	7417360.4105
14	199912.2166	7417451.6301
15	199920.5979	7417485.4580
16	199865.8275	7417518.8373
17	199769.6522	7417554.9053
18	199691.4610	7417579.6937
19	199665.8379	7417589.8399
20	199652.7644	7417590.0734
21	199652.2947	7417575.9351
22	199651.2354	7417555.5131
23	199650.3867	7417530.1228
24	199647.7655	7417451.7017
25	199624.2976	7416749.6136
26	199623.4032	7416722.8555
27	199487.4795	7416542.0635
28	199270.0410	7416252.8486
29	199332.1102	7416209.6546
30	199216.9590	7416089.5206
31	199209.8767	7416082.1318
32	199203.5669	7416075.5489
33	199194.9543	7416066.5637
34	199192.2992	7416063.7937
35	199159.8672	7416029.9583
36	199120.2852	7416003.9979
37	199072.9865	7415972.9765
38	198975.1076	7415908.7815
39	198973.8405	7415907.9505
40	198922.0125	7415856.0904
41	198948.5620	7415775.5112
42	198892.7968	7415733.7221
43	198876.0800	7415721.1949
44	198867.1006	7415714.4659
45	198865.2279	7415713.0626
46	198857.7495	7415707.4584
47	198801.6067	7415665.3864
48	198715.5883	7415600.9262
49	198709.1751	7415596.1204
50	198697.1389	7415587.1007
51	198689.5594	7415581.4208

52	198679.1336	7415573.6080
53	198675.9236	7415571.2025
54	198657.8203	7415557.6363
55	198613.5134	7415524.4337
56	198549.4436	7415476.6939
57	198546.0609	7415436.1148
58	198537.0367	7415381.6201
59	198520.8179	7415325.6219
60	198511.2703	7415295.5798
61	198500.3711	7415261.2852
62	198452.4733	7415184.9472
63	198346.6454	7415088.2119
64	198273.4006	7415059.7725
65	198233.0514	7415049.3433
66	198193.7102	7415039.1747
67	198130.3140	7415035.4985
68	198089.1938	7415033.8328
69	198033.2060	7415038.7021
70	197973.6120	7415052.0649
71	197936.8826	7415060.8067
72	197832.2516	7415092.5707
73	197761.7509	7415113.9735
74	197727.3389	7415123.3949
75	197703.3686	7415129.0037
76	197532.9141	7415170.7445
77	197324.3785	7415224.8029
78	197195.8864	7415252.4307
79	197091.0650	7415273.7710
80	197031.1027	7415284.3605
81	196950.9003	7415293.5245
82	196846.0720	7415292.1750
83	196785.9429	7415291.2292
84	196737.8270	7415284.3605
85	196638.0401	7415263.9493
86	196493.4987	7415208.8952
87	196428.8806	7415362.0642
88	196388.1951	7415357.2777
89	196354.6893	7415342.9181
90	196325.9702	7415321.3787
91	196302.0375	7415299.8393
92	196280.4981	7415275.9067
93	196251.7790	7415254.3673
94	196220.6665	7415240.0077
95	196189.5541	7415232.8279
96	196158.4416	7415225.6481
97	196122.5427	7415218.4683
98	196089.0370	7415218.4683
99	196057.9245	7415220.8616
100	196026.8121	7415228.0414
101	196000.4862	7415235.2212
102	195971.6400	7415240.1042
103	195943.0478	7415251.9740
104	195909.5421	7415261.5471
105	195876.0364	7415268.7269

106	195852.1037	7415273.5134
107	195819.3237	7415268.5366
108	195781.8492	7415267.9630
109	195744.4068	7415268.7269
110	195710.9011	7415271.1201
111	195670.2156	7415278.2999
112	195665.8118	7415279.7232
113	195629.3204	7415038.1563
114	195585.1963	7415037.8562
115	195584.3484	7415162.5022
116	195458.0065	7415205.7468
117	195455.4627	7415412.6422
118	195478.3569	7415412.6422
119	195480.9007	7415412.6422
120	195540.2559	7415412.6422
121	195541.7479	7415409.8305
122	195539.7555	7415428.9867
123	195535.2045	7415499.5566
124	195534.0621	7415534.8386
125	195534.2139	7415592.1948
126	195534.2740	7415614.9165
127	195548.8869	7415667.8561
128	195559.8990	7415707.7505
129	195563.1894	7415719.6710
130	195564.0350	7415722.7345
131	195566.5272	7415731.7632
132	195566.6049	7415731.9574
133	195586.4002	7415781.4377
134	195594.7361	7415802.2743
135	195644.1164	7415871.9650
136	195648.0370	7415877.4981
137	195654.1204	7415886.0837
138	195723.3897	7415941.0399
139	195783.8703	7415961.9247
140	195853.1396	7415959.7211
141	195875.2837	7415953.0701
142	195888.7427	7415965.8882
143	195900.1109	7415981.8298
144	195907.5957	7415998.4943
145	195913.2152	7416016.7576
146	195917.1691	7416036.7044
147	195901.7726	7416051.9517
148	195864.1548	7416095.2379
149	195856.8328	7416109.5322
150	195858.2328	7416135.1047
151	195859.8558	7416193.3793
152	195857.4586	7416224.0832
153	195856.6496	7416234.4463
154	195864.8960	7416272.0214
155	195868.9745	7416290.6048
156	195893.4795	7416331.0781
157	195898.8895	7416340.0134
158	195957.9612	7416371.2609
159	195966.3535	7416375.7003

160	196040.2261	7416379.0046
161	196090.7527	7416381.2646
162	196118.7195	7416390.0884
163	196144.5424	7416398.2358
164	196169.4600	7416406.0975
165	196194.3316	7416408.7408
166	196200.5874	7416408.3985
167	196204.4800	7416408.1855
168	196213.4657	7416407.6937
169	196214.6582	7416407.5763
170	196221.1146	7416406.5103
171	196227.4875	7416405.0244
172	196233.7495	7416403.1248
173	196239.8739	7416400.8198
174	196245.8345	7416398.1191
175	196247.3629	7416397.3021
176	196248.2485	7416397.4462
177	196258.0088	7416399.3756
178	196264.3480	7416400.4183
179	196270.8603	7416401.0597
180	196277.4006	7416401.2738
181	196283.9409	7416401.0597
182	196290.4532	7416400.4183
183	196296.9096	7416399.3523
184	196303.2825	7416397.8664
185	196309.5445	7416395.9668
186	196315.6689	7416393.6618
187	196317.6212	7416392.7772
188	196321.4796	7416395.1763
189	196322.5965	7416395.8117
190	196322.9540	7416396.0831
191	196328.5150	7416400.2851
192	196333.2446	7416403.6478
193	196333.2780	7416403.6691
194	196337.0576	7416408.2474
195	196338.2225	7416409.5525
196	196339.3135	7416410.7535
197	196342.6219	7416414.2245
198	196346.8415	7416418.1766
199	196347.1046	7416419.0437
200	196349.4096	7416425.1681
201	196352.1103	7416431.1287
202	196355.1951	7416436.8998
203	196358.6506	7416442.4568
204	196359.5327	7416443.6877
205	196360.3676	7416445.9061
206	196363.0683	7416451.8667
207	196366.1531	7416457.6378
208	196369.6086	7416463.1948
209	196373.4203	7416468.5139
210	196377.5716	7416473.5724
211	196382.0449	7416478.3485
212	196386.8210	7416482.8218
213	196391.8795	7416486.9731

214	196397.1986	7416490.7848
215	196402.7556	7416494.2403
216	196408.5267	7416497.3251
217	196414.4873	7416500.0258
218	196416.0458	7416500.6560
219	196425.5808	7416504.4190
220	196427.6064	7416505.1932
221	196437.5756	7416508.8797
222	196441.6439	7416513.2235
223	196446.4200	7416517.6968
224	196451.4785	7416521.8481
225	196456.7976	7416525.6598
226	196457.7779	7416526.2693
227	196459.6006	7416528.4904
228	196464.0739	7416533.2665
229	196468.7421	7416537.6387
230	196506.5728	7416557.8343
231	196508.6227	7416558.6058
232	196514.8847	7416560.5054
233	196518.1562	7416561.3143
234	196519.9926	7416561.7053
235	196526.4490	7416562.7713
236	196532.9613	7416563.4127
237	196539.5016	7416563.6268
238	196546.0419	7416563.4127
239	196550.1464	7416563.0084
240	196565.1274	7416564.2131
241	196566.6023	7416564.3207
242	196573.1426	7416564.5348
243	196579.6829	7416564.3207
244	196586.1929	7416563.6796
245	196595.6981	7416562.4284
246	196602.1556	7416561.3623
247	196608.5285	7416559.8764
248	196614.7905	7416557.9768
249	196619.4191	7416556.2347
250	196621.1319	7416558.0635
251	196622.5908	7416559.4299
252	196625.9080	7416562.5368
253	196630.9665	7416566.6881
254	196636.2856	7416570.4998
255	196637.6103	7416571.3698
256	196643.8443	7416575.3938
257	196648.0766	7416577.9793
258	196653.8477	7416581.0641
259	196656.3458	7416582.2533
260	196660.8928	7416584.3413
261	196664.3553	7416585.8528
262	196666.1458	7416586.5743
263	196666.9555	7416587.2021
264	196672.2746	7416591.0138
265	196677.8316	7416594.4693
266	196683.6027	7416597.5541
267	196683.9240	7416597.6996

268	196684.2833	7416598.4927
269	196687.3681	7416604.2638
270	196690.8236	7416609.8208
271	196694.6353	7416615.1399
272	196698.7866	7416620.1984
273	196703.2599	7416624.9745
274	196708.0360	7416629.4478
275	196713.0945	7416633.5991
276	196718.4136	7416637.4108
277	196720.5823	7416638.7593
278	196722.9353	7416642.0429
279	196727.0866	7416647.1014
280	196731.5599	7416651.8775
281	196736.3360	7416656.3508
282	196741.3945	7416660.5021
283	196746.7136	7416664.3138
284	196747.3955	7416664.7378
285	196750.2283	7416668.6909
286	196754.3796	7416673.7494
287	196758.8529	7416678.5255
288	196763.6290	7416682.9988
289	196768.6875	7416687.1501
290	196774.0066	7416690.9618
291	196779.5636	7416694.4173
292	196784.5562	7416697.0859
293	196785.7499	7416698.3605
294	196790.5260	7416702.8338
295	196795.5845	7416706.9851
296	196800.9036	7416710.7968
297	196806.4606	7416714.2523
298	196812.2317	7416717.3371
299	196818.1923	7416720.0378
300	196824.3167	7416722.3428
301	196830.5787	7416724.2424
302	196836.9516	7416725.7283
303	196843.4080	7416726.7943
304	196849.9203	7416727.4357
305	196856.4606	7416727.6498
306	196858.3357	7416727.6322
307	196859.8287	7416727.6042
308	196864.4939	7416727.4077
309	196864.6313	7416727.3942
310	196867.3860	7416727.1228
311	196873.5246	7416727.3238
312	196875.1824	7416727.3079
313	196879.7079	7416727.1167
314	196886.2202	7416726.4753
315	196892.6766	7416725.4093
316	196899.0495	7416723.9234
317	196905.3115	7416722.0238
318	196911.4359	7416719.7188
319	196912.8234	7416719.0901
320	196913.4636	7416720.7911
321	196914.4897	7416723.0558

322	196916.1643	7416726.7517
323	196919.2491	7416732.5228
324	196919.4005	7416732.7843
325	196920.9185	7416735.3953
326	196924.2226	7416740.6908
327	196928.0343	7416746.0099
328	196932.1856	7416751.0684
329	196936.3415	7416755.5256
330	196944.9579	7416764.2199
331	196947.9152	7416767.2061
332	196948.2579	7416767.5505
333	196953.0340	7416772.0238
334	196958.0925	7416776.1751
335	196963.4116	7416779.9868
336	196968.9686	7416783.4423
337	196974.7397	7416786.5271
338	196980.7003	7416789.2278
339	196983.0842	7416790.1250
340	196984.3202	7416790.8936
341	197006.3413	7416798.7480
342	197048.8638	7416813.9149
343	197052.9503	7416815.3725
344	197091.3357	7416819.7975
345	197109.2572	7416819.5429
346	197115.3164	7416829.2413
347	197119.6194	7416842.1944
348	197123.1183	7416854.4406
349	197126.5554	7416866.7045
350	197129.2800	7416876.3890
351	197052.1664	7416920.2611
352	197035.0713	7416929.9870
353	197018.8384	7416939.2223
354	196968.0175	7416928.1689
355	196958.1014	7416926.0121
356	196898.8422	7416896.1773
357	196890.0698	7416891.7607
358	196848.6460	7416900.0433
359	196836.1028	7416911.5116
360	196801.8726	7416942.8083
361	196785.2186	7416958.0351
362	196754.4609	7416957.0687
363	196746.6936	7416954.1596
364	196726.4900	7416946.5926
365	196712.1195	7416936.7762
366	196703.1916	7416930.6776
367	196687.1738	7416921.9882
368	196659.2639	7416906.8476
369	196658.2335	7416906.4598
370	196651.9715	7416904.5602
371	196647.2083	7416903.4082
372	196638.2293	7416901.4682
373	196636.6196	7416901.1343
374	196630.1632	7416900.0683
375	196623.6509	7416899.4269

376	196617.1106	7416899.2128
377	196610.5703	7416899.4269
378	196604.0580	7416900.0683
379	196602.5197	7416900.3223
380	196509.7914	7416978.1914
381	196505.3281	7416981.9394
382	196460.0425	7416994.9570
383	196447.7529	7416998.4897
384	196302.5923	7416995.0480
385	196301.6145	7416995.7885
386	196296.5560	7416999.9398
387	196291.7799	7417004.4131
388	196287.3066	7417009.1892
389	196285.3378	7417011.5043
390	196284.3563	7417011.5123
391	196280.4296	7417011.3838
392	196279.3752	7417011.3894
393	196278.2372	7417011.4014
394	196272.7513	7417011.6099
395	196266.2390	7417012.2513
396	196259.7826	7417013.3173
397	196253.4097	7417014.8032
398	196247.1477	7417016.7028
399	196241.0233	7417019.0078
400	196235.0627	7417021.7085
401	196234.9304	7417021.7759
402	196229.1596	7417024.8613
403	196223.6026	7417028.3168
404	196218.2835	7417032.1285
405	196213.2250	7417036.2798
406	196208.4489	7417040.7531
407	196203.9756	7417045.5292
408	196199.8243	7417050.5877
409	196199.7907	7417050.6314
410	196197.7757	7417053.2604
411	196193.9976	7417058.5358
412	196190.5421	7417064.0928
413	196187.4573	7417069.8639
414	196184.8027	7417075.7135
415	196183.7757	7417078.1845
416	196183.7296	7417078.2955
417	196181.4246	7417084.4199
418	196179.5250	7417090.6819
419	196178.0391	7417097.0548
420	196176.9731	7417103.5112
421	196176.3317	7417110.0235
422	196176.1176	7417116.5638
423	196176.3317	7417123.1041
424	196176.9731	7417129.6164
425	196178.0391	7417136.0728
426	196179.5250	7417142.4457
427	196181.4246	7417148.7077
428	196183.7296	7417154.8321
429	196186.4303	7417160.7927

430	196189.5151	7417166.5638
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432	196196.7823	7417177.4399
433	196200.9336	7417182.4984
434	196203.2730	7417185.0741
435	196203.7493	7417185.5805
436	196203.8086	7417185.7628
437	196204.2036	7417186.9507
438	196206.5086	7417193.0751
439	196209.2093	7417199.0357
440	196210.0645	7417200.7291
441	196212.4433	7417205.9217
442	196214.3160	7417209.5321
443	196214.4345	7417209.7496
444	196216.4601	7417213.4348
445	196217.6248	7417215.4000
446	196218.1278	7417216.2270
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449	196222.5431	7417222.9199
450	196222.8531	7417223.3709
451	196222.8574	7417223.3772
452	196224.6526	7417226.1628
453	196226.2830	7417228.5285
454	196226.8304	7417229.3755
455	196225.8321	7417233.8548
456	196224.7661	7417240.3112
457	196224.1247	7417246.8235
458	196224.1239	7417246.8478
459	196222.5713	7417248.7397
460	196218.7596	7417254.0588
461	196215.3041	7417259.6158
462	196212.2193	7417265.3869
463	196209.5186	7417271.3475
464	196207.2136	7417277.4719
465	196205.3140	7417283.7339
466	196205.2758	7417283.8977
467	196201.5186	7417287.9092
468	196197.3673	7417292.9677
469	196193.5556	7417298.2868
470	196190.1001	7417303.8438
471	196187.0153	7417309.6149
472	196184.3146	7417315.5755
473	196182.0096	7417321.6999
474	196180.1100	7417327.9619
475	196178.8936	7417333.1790
476	196177.9808	7417334.1535
477	196177.9182	7417335.8978
478	196155.5053	7417480.0214
479	196137.7184	7417507.3198
480	196139.2771	7417510.2358
481	196142.7326	7417515.7928
482	196146.5443	7417521.1119
483	196150.6956	7417526.1704

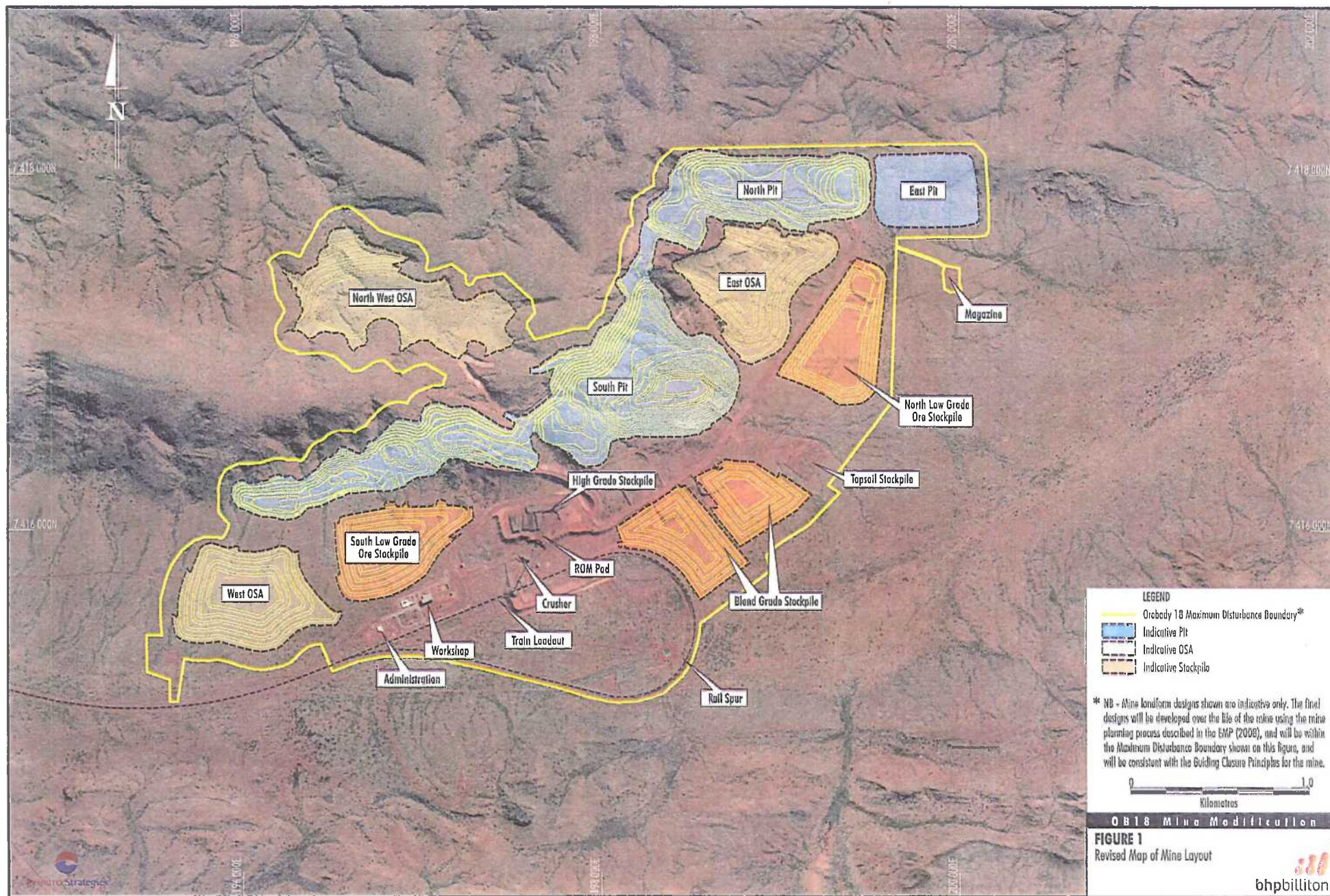
484	196155.1689	7417530.9465
485	196159.9450	7417535.4198
486	196165.0035	7417539.5711
487	196170.3226	7417543.3828
488	196175.8796	7417546.8383
489	196181.6507	7417549.9231
490	196183.3741	7417550.7525
491	196187.5320	7417552.7050
492	196189.0117	7417553.4501
493	196189.4671	7417553.6732
494	196192.0107	7417554.9731
495	196197.9713	7417557.6738
496	196204.0957	7417559.9788
497	196210.3577	7417561.8784
498	196216.7306	7417563.3643
499	196223.1870	7417564.4303
500	196229.6993	7417565.0717
501	196236.2396	7417565.2858
502	196242.7799	7417565.0717
503	196249.2922	7417564.4303
504	196255.7486	7417563.3643
505	196262.1215	7417561.8784
506	196268.3835	7417559.9788
507	196274.5079	7417557.6738
508	196280.4685	7417554.9731
509	196286.2396	7417551.8883
510	196291.7966	7417548.4328
511	196292.9778	7417547.5985
512	196297.4945	7417546.5454
513	196303.7565	7417544.6458
514	196309.5829	7417542.4637
515	196310.5637	7417542.4444
516	196314.4807	7417542.3674
517	196314.5601	7417542.4204
518	196320.0319	7417546.0767
519	196321.2056	7417549.7677
520	196323.1588	7417555.0314
521	196323.2068	7417555.1504
522	196323.5586	7417556.0111
523	196324.1192	7417557.3373
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525	196324.9586	7417559.4301
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527	196330.7441	7417571.1618
528	196333.1811	7417575.1633
529	196333.5931	7417576.9905
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532	196338.7556	7417593.2611
533	196341.4563	7417599.2217
534	196344.5411	7417604.9928
535	196347.9966	7417610.5498
536	196348.1346	7417610.7558
537	196351.2496	7417615.3928

538	196354.0725	7417619.3809
539	196356.3788	7417623.1125
540	196356.5357	7417623.3545
541	196357.2806	7417624.4858
542	196361.0923	7417629.8049
543	196364.1902	7417633.6425
544	196365.8388	7417635.7024
545	196368.7296	7417639.1524
546	196371.9175	7417642.6192
547	196374.1375	7417644.9222
548	196374.4497	7417645.2402
549	196374.6060	7417645.9107
550	196376.5056	7417652.1727
551	196378.3585	7417657.1868
552	196378.9926	7417658.7551
553	196381.6933	7417664.7157
554	196383.8934	7417668.9223
555	196384.2938	7417669.6455
556	196386.0691	7417672.8548
557	196386.8042	7417674.1070
558	196386.8102	7417674.2113
559	196387.3413	7417674.7994
560	196423.2716	7417746.4520
561	196425.8075	7417748.5331
562	196431.1266	7417752.3448
563	196433.8731	7417754.1157
564	196435.9192	7417755.3881
565	196437.0579	7417756.1364
566	196439.3581	7417757.6031
567	196444.0638	7417760.5144
568	196446.5992	7417762.2515
569	196447.5646	7417762.9048
570	196449.5558	7417764.2013
571	196451.2681	7417767.2918
572	196454.7236	7417772.8488
573	196458.5353	7417778.1679
574	196462.6866	7417783.2264
575	196467.1599	7417788.0025
576	196471.9360	7417792.4758
577	196476.9945	7417796.6271
578	196482.3136	7417800.4388
579	196487.8706	7417803.8943
580	196493.6417	7417806.9791
581	196499.6023	7417809.6798
582	196505.7267	7417811.9848
583	196511.9887	7417813.8844
584	196518.3616	7417815.3703
585	196524.8180	7417816.4363
586	196531.3303	7417817.0777
587	196534.9752	7417817.1970
588	196535.1687	7417817.2698
589	196541.4307	7417819.1694
590	196547.8036	7417820.6553
591	196554.2600	7417821.7213

592	196560.7723	7417822.3627
593	196567.3126	7417822.5768
594	196573.8529	7417822.3627
595	196580.3652	7417821.7213
596	196586.8216	7417820.6553
597	196593.1945	7417819.1694
598	196599.4565	7417817.2698
599	196605.5809	7417814.9648
600	196611.5415	7417812.2641
601	196617.3126	7417809.1793
602	196622.8696	7417805.7238
603	196628.1887	7417801.9121
604	196633.2472	7417797.7608
605	196638.0233	7417793.2875
606	196642.4966	7417788.5114
607	196644.5748	7417785.9790
608	196649.8309	7417784.0008
609	196655.7915	7417781.3001
610	196658.4247	7417779.8926
611	196733.5606	7417711.8839
612	196760.4984	7417687.5014
613	196761.9715	7417687.0468
614	196869.5731	7417653.8456
615	196874.4270	7417652.3478
616	196882.1394	7417649.9681
617	196892.4948	7417646.7729
618	196958.6135	7417626.3715
619	196975.6115	7417621.1266
620	196984.1866	7417609.9244
621	197018.4395	7417565.1776
622	197019.1199	7417563.9047
623	197021.8206	7417557.9441
624	197024.1256	7417551.8197
625	197026.0252	7417545.5577
626	197027.5111	7417539.1848
627	197028.5771	7417532.7284
628	197029.2185	7417526.2161
629	197029.4326	7417519.6758
630	197029.2185	7417513.1355
631	197029.1536	7417512.4766
632	197019.2923	7417476.0140
633	197028.7856	7417459.4829
634	197050.6527	7417463.7083
635	197080.4943	7417469.4746
636	197109.0870	7417479.4578
637	197163.4152	7417498.4267
638	197236.9689	7417441.4865
639	197239.1366	7417439.8084
640	197239.4628	7417436.8401
641	197244.5745	7417390.3200
642	197263.2452	7417379.4741
643	197279.7773	7417388.9674
644	197297.9997	7417418.9484
645	197300.7574	7417423.4856

646	197340.6046	7417429.1924
647	197420.0983	7417440.5773
648	197451.8783	7417445.1288
649	197554.4362	7417349.4481
650	197564.6206	7417339.9465
651	197565.8451	7417338.8041
652	197611.7380	7417295.9887
653	197628.2561	7417225.8206
654	197627.1329	7417224.3112
655	197613.2624	7417205.6720
656	197584.7599	7417167.3704
657	197585.1273	7417141.4501
658	197601.4404	7417112.3787
659	197619.3068	7417086.7583
660	197628.7669	7417073.1925
661	197698.6789	7417092.3488
662	197735.7373	7417102.5031
663	197743.9055	7417104.7413
664	197749.5115	7417106.2774
665	197753.5691	7417106.8539
666	197768.1514	7417108.9260
667	197778.3712	7417110.3782
668	197791.7993	7417117.3045
669	197843.1989	7417131.5802
670	197877.3541	7417133.5163
671	197923.7290	7417136.1450
672	197954.6277	7417174.2276
673	197973.0543	7417196.9384
674	197999.3053	7417216.4098
675	198003.1185	7417222.1284
676	198011.3740	7417238.8477
677	198019.7760	7417281.8978
678	198024.8053	7417296.9004
679	198033.8538	7417323.8924
680	198041.3503	7417346.2550
681	198054.1249	7417371.5863
682	198064.1970	7417391.5588
683	198083.6055	7417430.0448
684	198098.4370	7417454.7842
685	198108.0365	7417583.2339
686	198110.3489	7417614.1766
687	198115.9435	7417627.9518
688	198147.1730	7417704.8466
689	198174.0487	7417720.8960
690	198174.3589	7417748.0859
691	198161.7542	7417785.1823
692	198176.7692	7417867.9882
693	198232.1075	7417902.4030
694	198249.8909	7417917.2425
695	198292.0318	7417941.0310
696	198292.6121	7418006.6676
697	198320.8151	7418072.2341
698	198336.3935	7418087.9061
699	198345.4286	7418096.9954

700	198348.2727	7418099.8566
701	198359.6541	7418108.1917
702	198372.9431	7418117.9237
703	198379.6856	7418122.8616
704	198394.5960	7418144.3238
705	198403.9076	7418148.5938
706	199358.0855	7418168.0707
707	199644.8217	7418173.9237
708	200085.8552	7418179.4830
709	200088.6095	7418178.0108
710	200094.1665	7418174.5552
711	200099.4856	7418170.7436
712	200104.5441	7418166.5923
713	200109.3202	7418162.1190
714	200111.4116	7418159.9637
715	200131.7761	7418138.3377
716	200134.1580	7418135.7169
717	200138.3093	7418130.6584
718	200142.1210	7418125.3393
719	200145.5765	7418119.7823
720	200148.6613	7418114.0111
721	200151.3619	7418108.0506
722	200151.9028	7418106.6799
723	200168.5121	7417856.9217
724	200167.6554	7417814.5058
725	200169.3597	7417772.0839
726	200168.5121	7417734.7569
727	200169.3597	7417707.6138
728	200165.9603	7417682.1630
729	200151.5334	7417663.4995
730	200092.1215	7417656.7123
731	200042.9372	7417655.9494
732	199843.6307	7417654.0738
733	199654.3584	7417648.8555
734	199653.7839	7417603.5853



Attachment 2 to Ministerial Statement 439

Change to proposal under s45C of the *Environmental Protection Act 1986*

Proposal: Orebody 18 Iron Ore Mine, ML 244SA, 32 km East of Newman, Shire of East Pilbara (978)

Proponent: BHP Iron Ore Pty Ltd

Change: Increase to maximum area of disturbance, area of pit, and area of overburden storage areas; and
Administrative changes to the Key Characteristics Table.

Key Characteristics Table: This table replaces Table 2 of Attachment 1

<u>Element</u>	<u>Description of proposal</u>	<u>Description of approved change to proposal</u>
Total Production (Projected)	195 Mt	Removed as not environmentally relevant
Average Stripping Ratio	1:1.5	Removed as not environmentally relevant
Area of Pit	191 ha	Up to 204 ha
Maximum Depth of Pit	150 h	150 m
Area of Ore Stockpiles	98 ha	98 ha
Area of Overburden Storage Areas	127 ha	Up to 130 ha
Total Overburden (projected)	72 Mt	Removed as not environmentally relevant
Overburden Storage Areas – East	27 Mt (Max. height 630 mRL)	Removed as volume not environmentally relevant and new element created - ‘Maximum Height of Overburden Storage Areas’.
Overburden Storage Areas – East	25 Mt (Max. height 730 mRL)	Removed as volume not environmentally relevant and new element created - ‘Maximum Height of Overburden Storage Areas’.
Overburden Storage Areas – East	20 Mt (Max. height 590 mRL)	Removed as volume not environmentally relevant and new element created - ‘Maximum Height of Overburden Storage Areas’.

Maximum Height of Overburden Storage Areas	n/a	Up to 730 m RL
Train Length (Average)	110 wagons (120 tonnes capacity each)	Removed as not environmentally relevant
Workforce (Permanent)	180-230	Removed as not environmentally relevant
Maximum area of disturbance within the Maximum Disturbance Boundary	610 ha	Up to 636 ha

Note: Text in **bold** in the Key Characteristics Table, indicates change/s to the proposal.

List of Replacement Figures and Tables:

Figure 1 Orebody 17/18 General Arrangement; replaces Figure 1 in Attachment 1.

Table 3 Coordinates of Maximum Disturbance Boundary; replaces Table 3 of Attachment 1.

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 17 June 2013

Table 3. Coordinates for Maximum Disturbance Area (GDA 94 MGA Zone 50).

East	North
813467	7417010
813230	7416950
813196	7416480
813194	7416460
813051	7416280
812822	7416000
812882	7415960
812762	7415840
812755	7415830
812748	7415830
812739	7415820
812736	7415820
812702	7415780
812662	7415760
812613	7415730
812513	7415670
812512	7415670
812458	7415620
812481	7415540
812423	7415500
812406	7415490
812397	7415480
812395	7415480
812387	7415470
812329	7415430
812241	7415370
812234	7415370
812222	7415360

East	North
812214	7415360
812203	7415350
812200	7415350
812181	7415330
812136	7415300
812070	7415260
812064	7415220
812053	7415160
812035	7415110
812024	7415080
812012	7415040
811961	7414970
811851	7414880
811776	7414850
811736	7414840
811696	7414830
811632	7414830
811591	7414830
811536	7414840
811477	7414860
811440	7414870
811337	7414900
811267	7414930
811233	7414940
811210	7414940
811041	7414990
810835	7415060
810708	7415090

East	North
810604	7415110
810544	7415130
810465	7415140
810360	7415140
810300	7415140
810251	7415140
810151	7415120
810004	7415070
809946	7415230
809905	7415230
809871	7415210
809841	7415190
809817	7415170
809794	7415150
809764	7415130
809733	7415120
809701	7415110
809670	7415100
809634	7415100
809600	7415100
809569	7415100
809539	7415110
809513	7415120
809484	7415130
809456	7415140
809423	7415150
809390	7415160
809366	7415170

East	North
809333	7415160
809296	7415160
809258	7415160
809225	7415170
809184	7415180
809180	7415180
809134	7414940
809089	7414940
809094	7415070
808969	7415110
808975	7415320
808998	7415320
809001	7415320
809060	7415320
809062	7415310
809060	7415330
809059	7415400
809059	7415440
809062	7415500
809063	7415520
809079	7415570
809092	7415610
809096	7415620
809097	7415630
809100	7415630
809100	7415640
809122	7415680
809131	7415700

East	North
809183	7415770
809187	7415780
809194	7415790
809265	7415840
809326	7415860
809395	7415850
809417	7415840
809431	7415860
809443	7415870
809451	7415890
809458	7415910
809463	7415930
809448	7415940
809412	7415990
809405	7416000
809408	7416030
809412	7416080
809411	7416110
809410	7416130
809420	7416160
809425	7416180
809451	7416220
809457	7416230
809517	7416260
809526	7416260
809600	7416260
809650	7416260
809679	7416270

East	North
809705	7416280
809730	7416280
809755	7416290
809761	7416280
809765	7416280
809774	7416280
809775	7416280
809782	7416280
809788	7416280
809794	7416280
809800	7416280
809806	7416270
809808	7416270
809808	7416270
809818	7416270
809825	7416270
809831	7416270
809838	7416270
809844	7416270
809851	7416270
809857	7416270
809863	7416270
809870	7416270
809876	7416270
809878	7416260
809881	7416270
809883	7416270
809883	7416270

East	North
809889	7416270
809894	7416270
809894	7416270
809898	7416280
809899	7416280
809900	7416280
809903	7416280
809908	7416290
809908	7416290
809911	7416300
809914	7416300
809917	7416310
809921	7416310
809922	7416310
809922	7416320
809925	7416320
809929	7416330
809932	7416330
809936	7416340
809941	7416340
809945	7416350
809950	7416350
809956	7416360
809961	7416360
809967	7416360
809973	7416360
809979	7416370
809980	7416370

East	North
809990	7416370
809992	7416370
810002	7416380
810006	7416380
810011	7416380
810017	7416390
810022	7416390
810023	7416390
810025	7416390
810030	7416400
810035	7416400
810073	7416420
810075	7416420
810087	7416440
810102	7416440
810136	7416470
810189	7416500
810239	7416530
810309	7416580
810393	7416650
810429	7416750
810417	7416760
810384	7416790
810368	7416810
810337	7416810
810330	7416810
810309	7416800
810294	7416790

East	North
810285	7416790
810269	7416780
810240	7416760
810239	7416760
810233	7416760
810228	7416760
810219	7416760
810217	7416760
810211	7416760
810204	7416760
810198	7416760
810191	7416760
810185	7416760
810183	7416760
810094	7416840
810090	7416850
810045	7416860
810033	7416860
809888	7416870
809887	7416870
809882	7416870
809877	7416880
809873	7416880
809871	7416880
809870	7416880
809866	7416880
809865	7416880
809864	7416880

East	North
809858	7416880
809852	7416890
809845	7416890
809839	7416890
809833	7416890
809827	7416890
809821	7416900
809821	7416900
809815	7416900
809810	7416900
809805	7416910
809800	7416910
809795	7416920
809791	7416920
809787	7416930
809787	7416930
809785	7416930
809782	7416930
809778	7416940
809776	7416950
809773	7416950
809772	7416950
809772	7416950
809770	7416960
809769	7416970
809767	7416970
809766	7416980
809766	7416990

East	North
809766	7416990
809767	7417000
809768	7417010
809769	7417010
809771	7417020
809773	7417030
809775	7417030
809778	7417040
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809808	7417080
809808	7417080
809811	7417090
809812	7417090
809812	7417090
809815	7417090
809816	7417100
809817	7417100

East	North
809817	7417100
809817	7417100
809819	7417100
809821	7417100
809822	7417100
809821	7417110
809820	7417110
809820	7417120
809820	7417120
809818	7417120
809814	7417130
809811	7417130
809808	7417140
809806	7417150
809804	7417150
809802	7417160
809802	7417160
809799	7417160
809795	7417170
809791	7417170
809788	7417180
809785	7417190
809783	7417190
809781	7417200
809779	7417200
809778	7417210
809777	7417210
809777	7417210

East	North
809761	7417360
809744	7417390
809746	7417390
809749	7417390
809753	7417400
809758	7417400
809762	7417410
809767	7417410
809773	7417420
809778	7417420
809784	7417420
809790	7417430
809791	7417430
809796	7417430
809797	7417430
809798	7417430
809800	7417430
809806	7417430
809813	7417440
809819	7417440
809825	7417440
809832	7417440
809838	7417440
809845	7417440
809851	7417440
809858	7417440
809864	7417440
809871	7417430

East	North
809877	7417430
809883	7417430
809889	7417430
809894	7417420
809900	7417420
809901	7417420
809905	7417420
809911	7417420
809917	7417410
809918	7417410
809922	7417410
809922	7417410
809928	7417420
809929	7417420
809931	7417430
809931	7417430
809932	7417430
809932	7417430
809932	7417430
809933	7417430
809936	7417440
809940	7417440
809942	7417440
809943	7417450
809944	7417450
809946	7417460
809948	7417460
809951	7417470

East	North
809955	7417470
809958	7417480
809959	7417480
809962	7417480
809965	7417490
809967	7417490
809967	7417490
809968	7417490
809972	7417500
809976	7417500
809977	7417500
809980	7417510
809984	7417510
809986	7417510
809986	7417510
809986	7417510
809989	7417520
809991	7417530
809991	7417530
809994	7417530
809997	7417540
809997	7417540
809999	7417540
810000	7417540
810000	7417540
810000	7417540
810039	7417610
810042	7417610

East	North
810047	7417620
810050	7417620
810052	7417620
810053	7417620
810056	7417620
810061	7417630
810063	7417630
810064	7417630
810066	7417630
810068	7417630
810072	7417640
810076	7417640
810080	7417650
810085	7417650
810090	7417660
810095	7417660
810100	7417660
810106	7417670
810112	7417670
810118	7417670
810124	7417670
810131	7417680
810137	7417680
810144	7417680
810150	7417680
810154	7417680
810154	7417680
810160	7417680

East	North
810167	7417680
810173	7417680
810180	7417680
810186	7417680
810193	7417680
810199	7417680
810206	7417680
810212	7417680
810218	7417680
810224	7417670
810230	7417670
810236	7417670
810241	7417660
810246	7417660
810251	7417650
810256	7417650
810260	7417650
810262	7417640
810267	7417640
810273	7417640
810276	7417640
810348	7417560
810374	7417540
810375	7417540
810481	7417500
810486	7417500
810494	7417500
810504	7417490

East	North
810569	7417470
810586	7417460
810594	7417450
810626	7417410
810627	7417410
810630	7417400
810632	7417390
810633	7417390
810634	7417380
810635	7417370
810636	7417370
810636	7417360
810635	7417350
810635	7417350
810774	7417370
810859	7417360
811075	7417330
811180	7417270
811262	7417170
811274	7417040
811285	7416960
811332	7416920
811338	7416920
811342	7416920
811357	7416920
811367	7416920
811381	7416930
811433	7416940

East	North
811467	7416940
811513	7416940
811546	7416980
811565	7417000
811592	7417020
811596	7417020
811616	7417120
811604	7417300
811646	7417460
811708	7417560
811796	7417660
811853	7417690
811872	7417710
811915	7417730
811918	7417790
811949	7417860
811965	7417870
811974	7417880
811977	7417890
811989	7417890
812003	7417900
812010	7417910
812026	7417930
812035	7417930
812989	7417910
813276	7417910
813733	7417900
813887	7417890

East	North
814507	7417880
815052	7417870
815201	7417870
815193	7417480
815186	7417190
814254	7417220
813879	7417120
813467	7417010

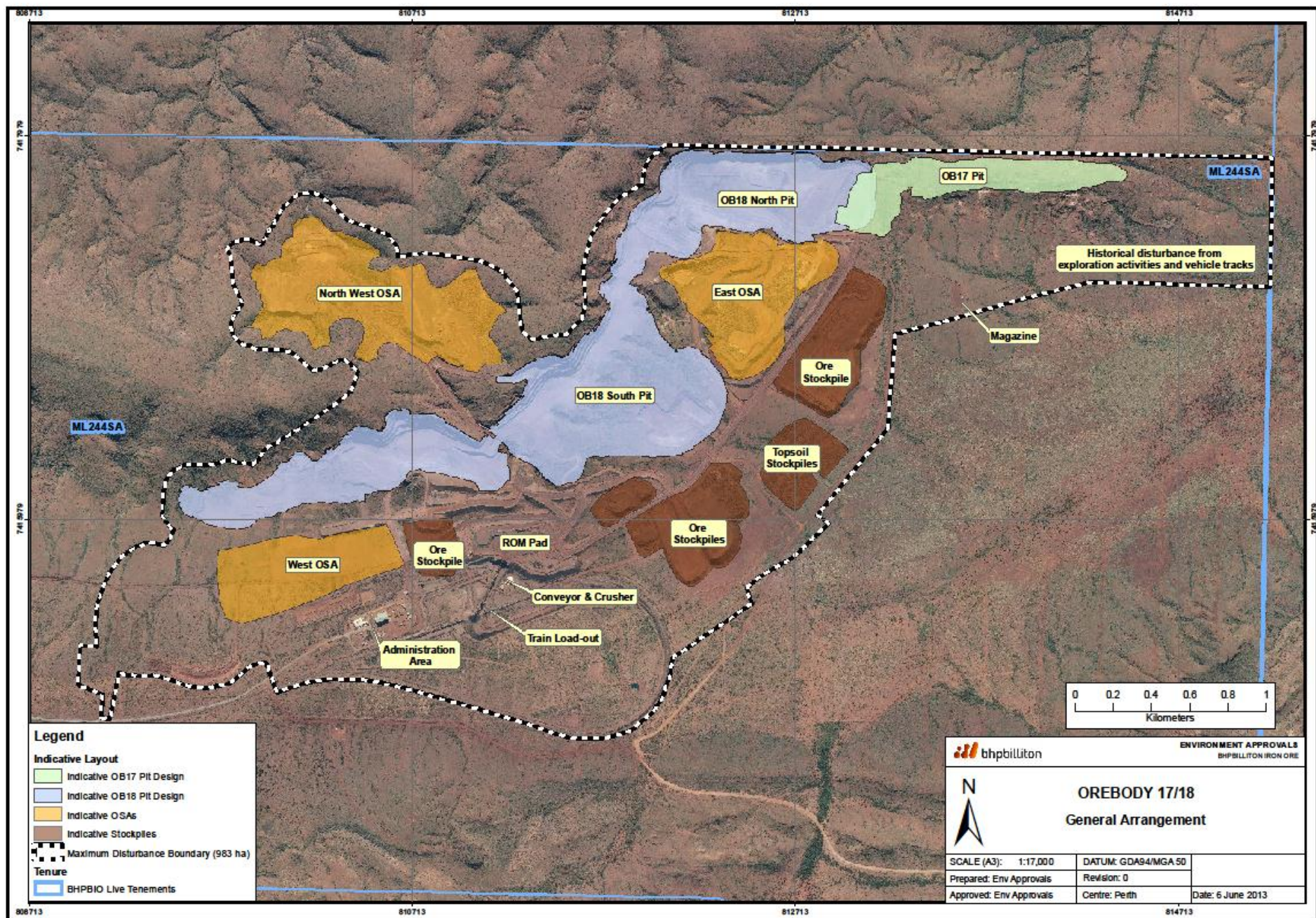


Figure 1. Orebodies 17/18 General Arrangement

Attachment 3 to Ministerial Statement 439

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

This Attachment replaces Attachment 1 and Attachment 2 of Ministerial Statement 439

Proposal: Orebody 18 Iron Ore Mine, ML 244SA, 32 km East of Newman, Shire of East Pilbara (978)

Proponent: BHP Billiton Iron Ore Pty. Ltd.

Changes:

- An increase in the total disturbance area, including:
 - an increase in area of pits;
 - an increase in area of stockpiles; and
 - an increase in area of overburden storage areas.
-

Table 1: Location and authorised extent of physical and operational elements

Element	Location	Previously Authorised Extent	Authorised Extent
Area of Pit	Figure 1	Up to 204 ha	Not more than 286 ha
Maximum Depth of Pit	Figure 1	150 m	150 m
Area of Ore Stockpiles	Figure 1	98 ha	Not more than 122 ha
Area of Overburden Storage Areas (OSA)	Figure 1	Up to 130 ha	Not more than 138 ha
Maximum Height of Overburden Storage Areas (OSA)	Figure 1	Up to 730 m RL	730 m RL
Total Area of Disturbance within the Maximum Disturbance Boundary (MDB)	Figure 1 and geographic coordinates in Table 3	Up to 636 ha	Not more than 793 ha within the 1010 ha Maximum Disturbance Boundary (MDB).

Note: Text in **bold** in Table 1 indicates a change to the proposal.

Table 2: Abbreviations

Abbreviation	Term
ha	hectare
m	metre
RL	reduced level (Australian Height Datum)

Figures and Tables (attached)

Figure 1 Orebody 17/18 Indicative General Arrangement.

Table 3 Coordinates of Maximum Disturbance Boundary (MDB).

[Signed: 3 February 2015]

Dr Paul Vogel

CHAIRMAN

Environmental Protection Authority
under delegated authority

Table 3. Coordinates of Maximum Disturbance Boundary (MDB) (GDA 94 MGA Zone 50)

East	North
813622.6	7417051
813532.8	7417026
813557.1	7416693
813211.7	7416695
813196.4	7416484
813194.4	7416457
813051.1	7416282
812821.8	7416002
812882	7415956
812762	7415841
812754.6	7415834
812748	7415827
812739	7415819
812736.3	7415816
812702.5	7415784
812661.8	7415759
812613.3	7415730
812512.8	7415670
812511.5	7415669
812457.6	7415620
812480.8	7415538
812367	7415460
812329.4	7415434
812240.7	7415373
812234.1	7415369
812221.7	7415360
812213.9	7415355
812203.2	7415348
812199.9	7415345
812181.2	7415333

East	North
812135.6	7415301
812069.6	7415256
812064.5	7415216
812053.2	7415162
812034.7	7415106
812023.9	7415077
812011.6	7415043
811960.5	7414969
811850.8	7414876
811776.4	7414851
811735.7	7414842
811695.9	7414834
811632.4	7414833
811591.3	7414833
811535.5	7414840
811476.5	7414856
811440.2	7414866
811337	7414902
811267.4	7414926
811233.4	7414937
811209.7	7414944
811041.1	7414993
810835	7415055
810707.8	7415088
810603.9	7415114
810544.4	7415127
810464.7	7415140
810359.9	7415143
810299.8	7415144
810251.4	7415139

East	North
810150.8	7415123
810004.1	7415074
809945.9	7415230
809905.1	7415227
809871	7415214
809841.4	7415193
809816.6	7415173
809794.1	7415150
809764.5	7415129
809732.8	7415116
809701.4	7415110
809670	7415105
809633.9	7415099
809600.4	7415100
809569.4	7415104
809538.6	7415112
809512.6	7415121
809484	7415127
809455.9	7415140
809422.8	7415151
809389.7	7415159
809365.9	7415165
809333	7415162
809295.5	7415163
809258.1	7415165
809224.8	7415169
809184.4	7415177
809180.1	7415179
809133.6	7414939
809089.5	7414941

East	North
809093.8	7415065
808969.4	7415114
808975.4	7415321
808998.3	7415320
809000.8	7415320
809060.1	7415317
809061.5	7415314
809060.3	7415333
809058.7	7415404
809059	7415439
809061.5	7415497
809062.5	7415519
809079.3	7415572
809092	7415611
809095.8	7415623
809096.8	7415626
809099.6	7415635
809099.7	7415635
809121.5	7415684
809130.7	7415704
809183	7415772
809187.1	7415777
809193.6	7415785
809265	7415837
809326.3	7415856
809395.5	7415851
809417.3	7415843
809431.3	7415855
809443.3	7415871
809451.5	7415887

East	North
809457.9	7415905
809462.6	7415925
809447.9	7415941
809412.1	7415986
809405.4	7416000
809407.8	7416026
809411.9	7416084
809410.8	7416115
809410.4	7416125
809420.2	7416162
809425	7416181
809451.2	7416220
809457	7416229
809517.3	7416258
809525.8	7416262
809599.8	7416262
809650.4	7416262
809678.7	7416270
809704.8	7416277
809730.1	7416284
809755	7416285
809761.2	7416285
809765.1	7416284
809774.1	7416283
809775.3	7416283
809781.7	7416282
809788	7416280
809794.2	7416278
809800.2	7416275
809806	7416272

East	North
809807.5	7416272
809808.4	7416272
809818.2	7416273
809824.6	7416274
809831.2	7416274
809837.7	7416274
809844.2	7416274
809850.7	7416273
809857.1	7416272
809863.4	7416270
809869.6	7416268
809875.6	7416265
809877.5	7416264
809881.5	7416266
809882.6	7416267
809883	7416267
809888.7	7416271
809893.6	7416274
809893.6	7416274
809897.6	7416279
809898.8	7416280
809900	7416281
809903.4	7416285
809907.8	7416288
809908.1	7416289
809910.6	7416295
809913.6	7416301
809916.9	7416307
809920.6	7416312
809921.5	7416313
809922.5	7416315
809925.4	7416321

East	North
809928.7	7416327
809932.4	7416332
809936.4	7416338
809940.8	7416342
809945.5	7416347
809950.4	7416351
809955.6	7416355
809961.1	7416359
809966.8	7416362
809972.7	7416365
809978.8	7416367
809980.4	7416368
809990	7416371
809992.1	7416372
810002.2	7416375
810006.5	7416379
810011.4	7416384
810016.6	7416388
810022.1	7416391
810023.1	7416392
810025	7416394
810029.7	7416398
810034.5	7416403
810073.2	7416421
810075.3	7416422
810087.5	7416435
810102.2	7416442
810135.7	7416466
810188.6	7416501
810238.8	7416533
810309.1	7416584
810392.9	7416649

East	North
810429.2	7416749
810417.1	7416761
810384.2	7416794
810368.2	7416810
810337.4	7416810
810329.6	7416807
810309.1	7416801
810294.3	7416791
810285.1	7416786
810268.8	7416778
810240.2	7416764
810239.2	7416763
810232.9	7416762
810228	7416761
810219	7416759
810217.4	7416759
810210.9	7416758
810204.3	7416758
810197.8	7416758
810191.3	7416758
810184.8	7416759
810183.3	7416759
810093.8	7416841
810089.5	7416845
810044.8	7416860
810032.7	7416864
809887.5	7416867
809886.6	7416867
809881.7	7416872
809877.1	7416876
809872.8	7416881
809871	7416884

East	North
809870	7416884
809866	7416884
809865	7416884
809863.9	7416884
809858.4	7416884
809851.9	7416885
809845.5	7416887
809839.2	7416888
809833	7416891
809827	7416893
809821.1	7416896
809821	7416896
809815.4	7416899
809810	7416903
809804.8	7416907
809799.9	7416911
809795.3	7416916
809791.1	7416921
809787.1	7416926
809787.1	7416926
809785.2	7416929
809781.6	7416935
809778.4	7416940
809775.6	7416946
809773.2	7416952
809772.2	7416955
809772.2	7416955
809770.2	7416961
809768.5	7416967
809767.3	7416974
809766.5	7416980
809766.1	7416987

East	North
809766.2	7416993
809766.7	7417000
809767.6	7417006
809768.9	7417013
809770.7	7417019
809772.8	7417025
809775.4	7417031
809778.3	7417037
809781.6	7417043
809785.3	7417048
809789.4	7417053
809793.7	7417058
809796.2	7417061
809796.7	7417061
809796.7	7417061
809797.2	7417062
809799.7	7417068
809802.7	7417074
809803.6	7417076
809806.2	7417081
809808.2	7417085
809808.3	7417085
809810.5	7417088
809811.8	7417090
809812.3	7417091
809814.7	7417095
809816.3	7417097
809817	7417098
809817.3	7417098
809817.3	7417098
809819.2	7417101
809821	7417103

East	North
809821.5	7417104
809820.7	7417108
809819.9	7417115
809819.6	7417121
809819.6	7417121
809818.1	7417123
809814.5	7417129
809811.3	7417135
809808.4	7417140
809806	7417147
809803.9	7417153
809802.3	7417159
809802.3	7417159
809798.7	7417163
809794.7	7417169
809791.1	7417174
809787.9	7417180
809785.1	7417186
809782.6	7417192
809780.6	7417198
809778.9	7417204
809777.9	7417210
809777.1	7417211
809777.1	7417212
809760.7	7417357
809744	7417385
809745.7	7417388
809749.4	7417394
809753.4	7417399
809757.8	7417404
809762.4	7417408
809767.4	7417412

East	North
809772.6	7417416
809778.1	7417420
809783.8	7417423
809789.7	7417426
809791.4	7417427
809795.7	7417429
809797.2	7417429
809797.7	7417429
809800.3	7417431
809806.3	7417433
809812.5	7417435
809818.9	7417437
809825.3	7417438
809831.8	7417439
809838.3	7417439
809844.9	7417439
809851.4	7417439
809857.9	7417438
809864.3	7417436
809870.6	7417435
809876.8	7417432
809882.8	7417430
809888.6	7417427
809894.3	7417424
809899.7	7417420
809900.8	7417419
809905.3	7417418
809911.5	7417416
809917.2	7417413
809918.2	7417413
809922.1	7417413
809922.2	7417413

East	North
809927.8	7417416
809929.1	7417420
809931.3	7417425
809931.3	7417425
809931.7	7417426
809932.4	7417428
809932.4	7417428
809933.3	7417430
809936.2	7417435
809939.5	7417441
809942.1	7417445
809942.6	7417447
809943.8	7417451
809945.9	7417457
809948.5	7417463
809951.4	7417469
809954.7	7417474
809958.4	7417480
809958.6	7417480
809961.9	7417484
809964.9	7417488
809967.3	7417492
809967.5	7417492
809968.3	7417493
809972.3	7417498
809975.6	7417502
809977.3	7417504
809980.3	7417507
809983.6	7417511
809986	7417513
809986.3	7417513
809986.5	7417514

East	North
809988.6	7417520
809990.7	7417525
809991.4	7417527
809994.3	7417532
809996.7	7417537
809997.1	7417537
809999	7417540
809999.8	7417542
809999.8	7417542
810000.4	7417542
810039.3	7417612
810041.9	7417614
810047.4	7417618
810050.2	7417620
810052.3	7417621
810053.4	7417621
810055.8	7417623
810060.6	7417626
810063.2	7417627
810064.2	7417628
810066.3	7417629
810068.1	7417632
810071.8	7417637
810075.8	7417643
810080.2	7417647
810084.8	7417652
810089.8	7417656
810095	7417660
810100.5	7417664
810106.2	7417667
810112.1	7417670
810118.2	7417672

East	North
810124.4	7417674
810130.7	7417676
810137.1	7417677
810143.6	7417678
810150.2	7417678
810153.8	7417678
810154	7417678
810160.3	7417680
810166.8	7417681
810173.3	7417682
810179.8	7417683
810186.3	7417682
810192.9	7417682
810199.4	7417681
810205.8	7417680
810212.1	7417678
810218.2	7417676
810224.3	7417673
810230.1	7417670
810235.8	7417667
810241.2	7417663
810246.3	7417659
810251.2	7417655
810255.8	7417650
810260.1	7417645
810262	7417643
810267.2	7417640
810273	7417638
810275.6	7417636
810347.9	7417565
810373.8	7417539
810375.2	7417539

East	North
810481.4	7417501
810486.2	7417500
810493.8	7417497
810504	7417493
810569.2	7417470
810586	7417464
810594.1	7417453
810626.4	7417407
810627.1	7417405
810629.5	7417399
810631.6	7417393
810633.2	7417387
810634.4	7417380
810635.2	7417374
810635.6	7417367

East	North
810635.5	7417361
810635	7417354
810635	7417353
810774	7417368
810859.5	7417360
811075.3	7417327
811180.4	7417272
811261.8	7417167
811273.9	7417037
811285	7416961
811332.2	7416916
811337.9	7416918
811342	7416918
811356.6	7416920
811366.9	7416921

East	North
811380.6	7416927
811432.5	7416939
811466.8	7416940
811513.2	7416940
811545.7	7416977
811565	7416999
811592.1	7417017
811596.1	7417023
811615.7	7417115
811603.5	7417297
811645.7	7417458
811707.7	7417564
811796.4	7417661
811853.1	7417693
811871.5	7417707

East	North
811914.6	7417729
811917.9	7417795
811948.8	7417859
811965	7417874
811974.4	7417883
811977.4	7417886
811989.1	7417893
812002.8	7417903
812009.7	7417907
812025.5	7417928
812035	7417932
812989.3	7417912
813276	7417906
813733	7417896
813886.6	7417893

East	North
814507.2	7417880
815052.4	7417868
815448.3	7417857
815441.4	7417531
815433	7417180
814253.7	7417219
813879.3	7417125
813622.6	7417051

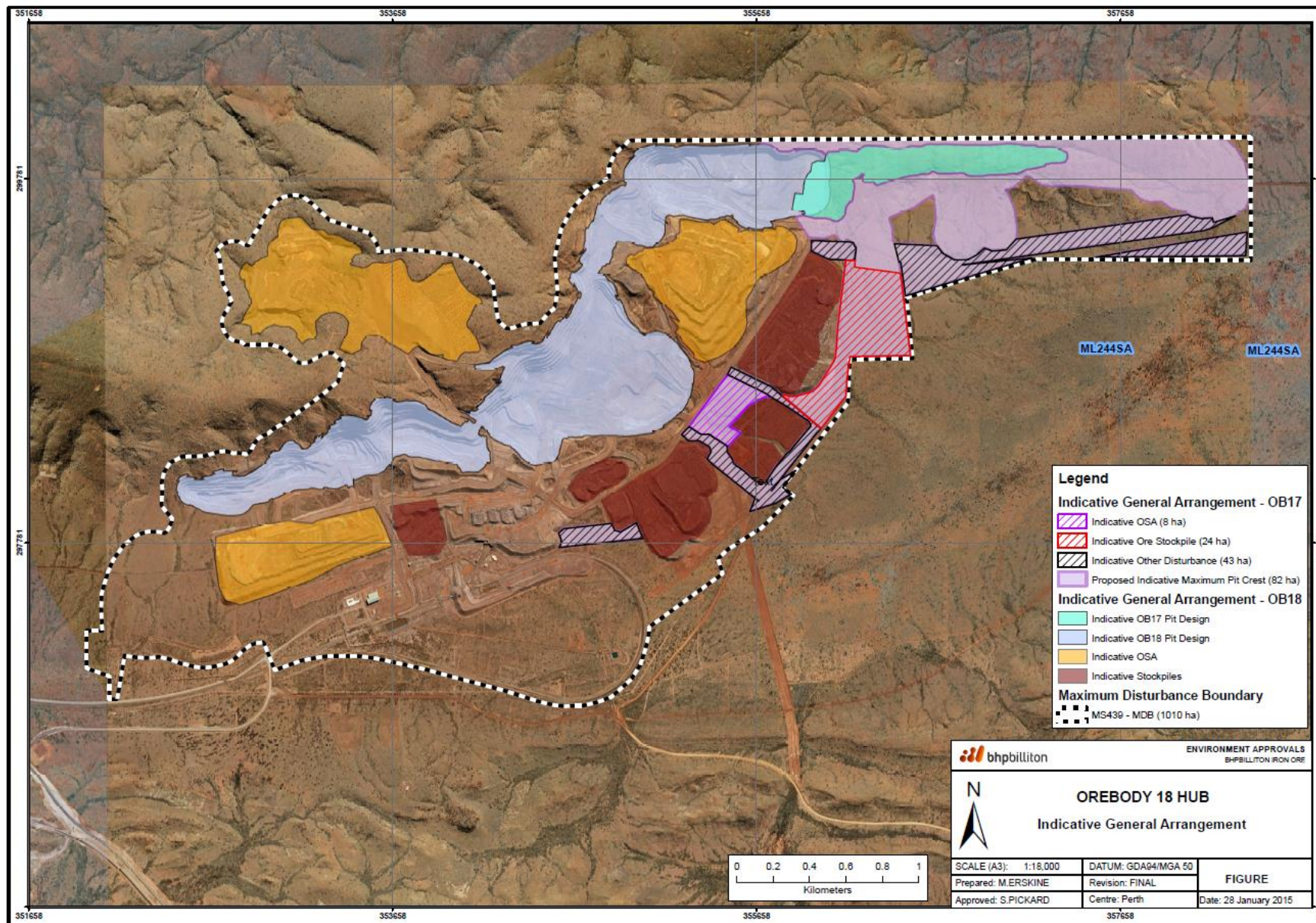


Figure 1. Orebodies 17/18 Indicative General Arrangement