

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number:

Project name: Impala Zircon 132KV Line and Temporary bypass

Project title: Impala Zircon 132KV Line and Temporary bypass

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Application Category: Utilities Infrastructure|Electricity|Distribution and Transmission|Powerline

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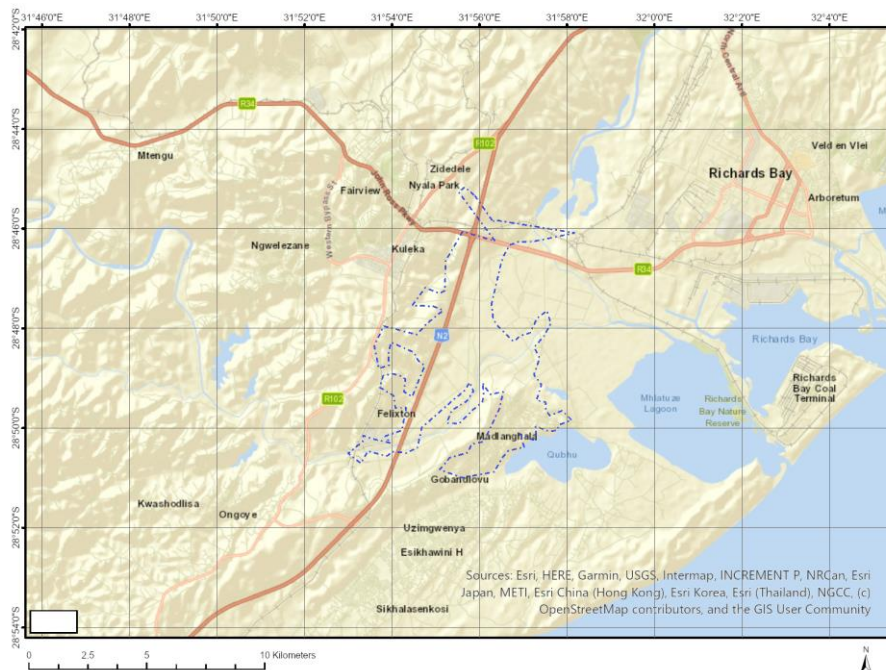
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	RICHARDS BAY	11449	5	28°46'17.62S	31°56'23.03E	Erven
2	RICHARDS BAY	11449	4	28°46'18.37S	31°56'16.65E	Erven
3	RICHARDS BAY	11464	0	28°49'16.43S	31°55'16.04E	Erven
4	RICHARDS BAY	11419	4	28°47'8.82S	31°55'28.72E	Erven
5	RICHARDS BAY	11421	6	28°47'39.02S	31°55'18.39E	Erven
6	RICHARDS BAY	11451	14	28°45'17.19S	31°56'4.26E	Erven
7	RICHARDS BAY	11451	15	28°46'9.47S	31°55'57.68E	Erven
8	RICHARDS BAY	11454	19	28°49'9.15S	31°56'46.97E	Erven
9	RICHARDS BAY	16859	0	28°49'12.38S	31°56'39.12E	Erven
10	RICHARDS BAY	17434	0	28°49'1.89S	31°55'20.69E	Erven
11	RICHARDS BAY	11461	0	28°47'49.68S	31°54'32.06E	Erven
12	RICHARDS BAY	17434	1	28°48'30.2S	31°54'45.17E	Erven
13	RICHARDS BAY	11449	1	28°46'24.35S	31°56'21.26E	Erven
14	RICHARDS BAY	16349	0	28°46'9.8S	31°57'0.53E	Erven
15	RICHARDS BAY	18586	0	28°48'9.83S	31°56'29.41E	Erven
16	RICHARDS BAY	11416	8	28°47'49.94S	31°54'33.23E	Erven
17	RICHARDS BAY	11416	7	28°48'7.92S	31°55'20.58E	Erven
18	RICHARDS BAY	11520	0	28°46'2.44S	31°56'44.91E	Erven
19	RICHARDS BAY	11451	0	28°45'54.95S	31°57'4.48E	Erven
20	RICHARDS BAY	11524	0	28°45'58.19S	31°56'53.42E	Erven
21	RICHARDS BAY	11416	2	28°47'56.62S	31°54'56.76E	Erven
22	RICHARDS BAY	11461	2	28°48'12.02S	31°54'44.4E	Erven
23	RICHARDS BAY	11454	3	28°48'8.29S	31°57'29.97E	Erven
24	RICHARDS BAY	11518	0	28°48'19.55S	31°54'37.6E	Erven
25	RICHARDS BAY	11462	0	28°48'22.89S	31°54'36.01E	Erven
26	RICHARDS BAY	11454	2	28°48'57.96S	31°57'13.3E	Erven
27	RICHARDS BAY	11454	0	28°48'59.18S	31°56'56.59E	Erven

28	RICHARDS BAY	11463	0	28°49'2.19S	31°53'59.47E	Erven
29	RICHARDS BAY	11528	0	28°45'57.36S	31°55'50.55E	Erven
30	RICHARDS BAY	11421	0	28°47'38.88S	31°55'11.39E	Erven
31	RICHARDS BAY	11423	0	28°48'49.4S	31°55'23.98E	Erven
32	RICHARDS BAY	11451	11	28°46'4.99S	31°55'51.52E	Erven
33	RICHARDS BAY	11451	0	28°45'27.6S	31°56'25.75E	Erven
34	RICHARDS BAY	11451	0	28°45'13.35S	31°55'53.37E	Erven
35	RICHARDS BAY	11422	4	28°49'18.26S	31°54'19.31E	Erven
36	RICHARDS BAY	11422	1	28°48'54.22S	31°54'29.69E	Erven
37	RICHARDS BAY	11416	0	28°47'50.6S	31°54'36.15E	Erven
38	RICHARDS BAY	11455	0	28°48'14.7S	31°57'1.1E	Erven
39	RICHARDS BAY	11490	0	28°47'29.23S	31°56'22.46E	Erven
40	RICHARDS BAY	11419	0	28°47'11.73S	31°55'32.51E	Erven
41	RICHARDS BAY	11452	0	28°46'19.62S	31°56'59.52E	Erven
42	RICHARDS BAY	11469	0	28°46'1.1S	31°57'28.42E	Erven
43	RICHARDS BAY	11421	0	28°47'26.13S	31°55'50.62E	Erven
44	RICHARDS BAY	11454	0	28°47'36.18S	31°57'59.37E	Erven
45	RICHARDS BAY	11449	2	28°46'17.74S	31°56'33.52E	Erven
46	RICHARDS BAY	11449	1	28°46'24.92S	31°56'23.76E	Erven
47	RICHARDS BAY	15669	0	28°46'29.72S	31°55'42.82E	Erven
48	RICHARDS BAY	15506	0	28°46'42.63S	31°55'52.38E	Erven
49	RICHARDS BAY	15505	0	28°46'3.75S	31°55'16.79E	Erven
50	RICHARDS BAY	15504	0	28°45'58.15S	31°55'30.2E	Erven
51	RICHARDS BAY	11449	3	28°46'18.58S	31°56'30E	Erven
52	RICHARDS BAY	11451	9	28°46'5.39S	31°55'45.33E	Erven
53	RICHARDS BAY	11451	10	28°46'12.06S	31°56'8.31E	Erven
54	RICHARDS BAY	11451	13	28°45'28.3S	31°56'2.67E	Erven
55	RICHARDS BAY	11525	0	28°45'51.11S	31°57'0.59E	Erven
56	RICHARDS BAY	11521	0	28°45'57.64S	31°56'28.64E	Erven
57	RICHARDS BAY	11510	6	28°48'4.9S	31°53'53.98E	Erven
58	RICHARDS BAY	11510	4	28°48'34.35S	31°54'14.93E	Erven
59	RICHARDS BAY	11510	5	28°48'59.25S	31°54'10.89E	Erven
60	RICHARDS BAY	11454	4	28°48'9.58S	31°57'27.96E	Erven
61	RICHARDS BAY	11454	0	28°47'28.12S	31°57'16.67E	Erven
62	RICHARDS BAY	11453	0	28°48'6.02S	31°56'25.76E	Erven
63	RICHARDS BAY	11452	1	28°47'12.23S	31°56'36.69E	Erven
64	RICHARDS BAY	11452	0	28°46'37.98S	31°56'40.78E	Erven
65	RICHARDS BAY	11451	3	28°46'2.3S	31°56'22.75E	Erven
66	RICHARDS BAY	11451	2	28°45'54.43S	31°56'6.83E	Erven
67	RICHARDS BAY	11464	2	28°48'53.68S	31°54'52.89E	Erven
68	RICHARDS BAY	11421	5	28°47'38.18S	31°55'20.32E	Erven
69	RICHARDS BAY	11425	0	28°46'20.15S	31°55'24.97E	Erven
70	RICHARDS BAY	11419	3	28°47'10.04S	31°55'29.68E	Erven
71	RICHARDS BAY	11510	0	28°48'24.02S	31°53'49.54E	Erven
72	RICHARDS BAY	11419	0	28°47'11.93S	31°54'51.06E	Erven
73	RICHARDS BAY	11416	1	28°48'23.12S	31°55'39.43E	Erven
74	RICHARDS BAY	11422	2	28°49'34.18S	31°54'55.06E	Erven
75	RICHARDS BAY	11422	3	28°49'13.54S	31°54'39.88E	Erven
76	RICHARDS BAY	11420	2	28°46'37.41S	31°55'0.96E	Erven
77	RICHARDS BAY	11422	0	28°49'4.03S	31°54'29.86E	Erven
78	RICHARDS BAY	11464	1	28°48'49.4S	31°54'46.36E	Erven
79	RICHARDS BAY	11509	0	28°48'41.98S	31°53'57.22E	Erven
80	RICHARDS BAY	11416	0	28°47'52.09S	31°54'30.68E	Erven
81	RICHARDS BAY	11464	3	28°48'46.19S	31°54'51.72E	Erven
82	RICHARDS BAY	11423	1	28°48'28.48S	31°54'59.79E	Erven
83	RICHARDS BAY	11416	4	28°48'4.57S	31°55'9.97E	Erven
84	RICHARDS BAY	11416	3	28°48'18.45S	31°54'36.96E	Erven
85	RICHARDS BAY	11461	1	28°48'19.77S	31°54'38.09E	Erven
86	RICHARDS BAY	11510	7	28°48'54.68S	31°54'10.87E	Erven
87	RICHARDS BAY	11510	5	28°48'57.19S	31°54'11.76E	Erven

88	RICHARDS BAY	11510	3	28°48'57.19S	31°54'10.94E	Erven
89	RICHARDS BAY	11418	1	28°48'52.32S	31°56'22.44E	Erven
90	RICHARDS BAY	11418	0	28°48'19.33S	31°56'8.66E	Erven
91	RICHARDS BAY	11454	17	28°49'11.11S	31°57'59.42E	Erven
92	RICHARDS BAY	11517	0	28°46'5.03S	31°57'29.12E	Erven
93	RICHARDS BAY	11510	8	28°48'33.74S	31°54'14.94E	Erven
94	RICHARDS BAY	11451	1	28°45'38.22S	31°55'38.44E	Erven
95	RICHARDS BAY	11523	0	28°45'21.73S	31°56'26.74E	Erven
96	RICHARDS BAY	11523	0	28°45'55.13S	31°57'4.52E	Erven
97	RICHARDS BAY	11519	0	28°45'34.05S	31°56'8.61E	Erven
98	RICHARDS BAY	11519	0	28°46'1.33S	31°56'25.03E	Erven
99	RICHARDS BAY	11527	0	28°45'42.94S	31°55'43.92E	Erven
100	RICHARDS BAY	11527	0	28°46'8.87S	31°56'4.45E	Erven
101	RICHARDS BAY	17434	0	28°49'2.19S	31°55'20.69E	Erven
102	RICHARDS BAY	17434	0	28°48'30.29S	31°54'47.31E	Erven
103	RICHARDS BAY	11464	0	28°48'38.09S	31°54'41.99E	Erven
104	RICHARDS BAY	11423	0	28°48'20.18S	31°54'52.16E	Erven
105	RICHARDS BAY	11423	0	28°48'46S	31°55'20.79E	Erven
106	RICHARDS BAY	11464	0	28°49'6.91S	31°55'7.39E	Erven
107	RICHARDS BAY	11508	0	28°48'29.52S	31°54'3.29E	Erven
108	RICHARDS BAY	11416	0	28°48'4.43S	31°55'20.92E	Erven
109	RICHARDS BAY	11483	0	28°48'12.19S	31°55'26.22E	Erven
110	RICHARDS BAY	11419	0	28°47'11.97S	31°54'55.53E	Erven
111	RICHARDS BAY	11421	0	28°47'41.07S	31°55'41.16E	Erven
112	RICHARDS BAY	11448	0	28°44'59.42S	31°55'35.22E	Erven
113	RICHARDS BAY	15665	0	28°45'12.43S	31°55'22.55E	Erven
114	RICHARDS BAY	11528	0	28°46'0.68S	31°56'4.58E	Erven
115	RICHARDS BAY	11451	52	28°45'59.17S	31°56'30.95E	Erven
116	RICHARDS BAY	11451	51	28°46'6.79S	31°56'10.08E	Erven
117	RICHARDS BAY	11451	50	28°46'7.98S	31°56'19.63E	Erven
118	RICHARDS BAY	11451	49	28°46'6.89S	31°56'17.31E	Erven
119	RICHARDS BAY	11451	48	28°46'5.99S	31°56'15.16E	Erven
120	RICHARDS BAY	11451	47	28°46'5.01S	31°56'12.69E	Erven
121	RICHARDS BAY	11451	45	28°46'3.16S	31°56'10.49E	Erven
122	RICHARDS BAY	15663	0	28°46'0.19S	31°55'12.81E	Erven
123	RICHARDS BAY	11451	24	28°46'10.7S	31°56'16.81E	Erven
124	RICHARDS BAY	11451	23	28°46'17.08S	31°56'8.1E	Erven
125	RICHARDS BAY	11451	22	28°46'15.84S	31°56'12.01E	Erven
126	RICHARDS BAY	11451	21	28°46'15.17S	31°56'9.68E	Erven
127	RICHARDS BAY	11451	20	28°46'14.56S	31°56'7.54E	Erven
128	RICHARDS BAY	11451	19	28°46'13.07S	31°56'3.31E	Erven
129	RICHARDS BAY	11451	18	28°46'18.85S	31°56'7.87E	Erven
130	RICHARDS BAY	11451	16	28°46'16.46S	31°56'0.81E	Erven
131	RICHARDS BAY	11418	2	28°49'2.58S	31°56'26.54E	Erven
132	RICHARDS BAY	11451	56	28°46'4.26S	31°56'10.22E	Erven
133	RICHARDS BAY	11418	0	28°48'20.82S	31°56'9.45E	Erven
134	RICHARDS BAY	11454	18	28°46'19.69S	31°57'35.05E	Erven
135	RICHARDS BAY	11449	0	28°46'9.65S	31°57'0.54E	Erven
136	RICHARDS BAY	11454	0	28°46'21.02S	31°57'18.33E	Erven
137	RICHARDS BAY	11418	4	28°49'0.87S	31°56'29.39E	Erven
138	RICHARDS BAY	16177	1	28°46'11.03S	31°56'28.64E	Erven
139	RICHARDS BAY	16177	0	28°46'5.79S	31°57'7.37E	Erven
140	RICHARDS BAY	16177	0	28°46'6.67S	31°57'10.05E	Erven
141	RICHARDS BAY	11416	6	28°48'4.18S	31°55'20.56E	Erven
142	RICHARDS BAY	11418	5	28°47'56.56S	31°56'1.81E	Erven
143	RICHARDS BAY	11416	5	28°48'17.93S	31°55'17.49E	Erven
144	RICHARDS BAY	17434	2	28°49'31.52S	31°55'45.88E	Erven
145	RICHARDS BAY	11422	6	28°49'53.47S	31°55'26.82E	Erven
146	RICHARDS BAY	18588	0	28°49'32.92S	31°55'45.69E	Erven
147	RICHARDS BAY	11422	2	28°49'35.06S	31°54'55.61E	Erven

148	RICHARDS BAY	11416	1	28°48'20.8S	31°55'40.84E	Erven
149	UMHLAGAGE	16696	0	28°50'30.26S	31°54'44.06E	Farm
150	GAGE	16695	0	28°50'45.7S	31°53'35.25E	Farm
151	LOT 113 UMHLATUZI	13528	0	28°50'13.01S	31°53'56.14E	Farm
152	LOT 112 UMHLATUZI	13942	0	28°48'43.13S	31°53'40.41E	Farm
153	RUTH	16833	0	28°52'36.11S	31°53'1.16E	Farm
154	UVS	18350	0	28°49'53.1S	31°56'14.88E	Farm
155	UMHLATUZI RAIL	16838	0	28°50'56.44S	31°53'6.7E	Farm
156	UMHLATUZI	13898	0	28°49'34.2S	31°56'25.97E	Farm
157	LOT 123 UMHLATUZI	14085	0	28°49'51.09S	31°55'52.63E	Farm
158	LOT 159 UMHLATUZI	13995	0	28°50'33.15S	31°55'36.92E	Farm
159	FELIXTON	17401	0	28°50'5.23S	31°53'34.62E	Farm
160	LOT 113 UMHLATUZI	13528	0	28°50'17.08S	31°54'18.16E	Farm
161	RESERVE 6	15825	0	28°45'14.19S	32°1'51.2E	Farm
162	RESERVE 6	15825	0	28°44'33.3S	32°0'28.06E	Farm
163	FELIXTON SAR	13511	0	28°50'17.07S	31°53'25.11E	Farm
164	LOT 105 UMHLATUZI	13766	0	28°50'49.29S	31°52'35.6E	Farm
165	LOT 114 UMHLATUZI	13453	0	28°49'40.47S	31°54'10.59E	Farm
166	LOT 113 UMHLATUZI	13528	0	28°49'51.87S	31°53'27.82E	Farm
167	LOT 113 UMHLATUZI	13528	0	28°50'17.58S	31°53'28.47E	Farm
168		13928	0	28°49'27.96S	31°56'24.23E	Farm
169	LOT S.A.R. NINIANS	14382	0	28°47'35.29S	31°54'4.93E	Farm
170	RESERVE 10	15830	0	28°51'46.04S	31°57'42.57E	Farm
171	PENTLANDS	16453	0	28°48'29.53S	31°53'24.56E	Farm
172	LOT 160 UMHLATUZI	13938	0	28°50'22.73S	31°55'50.21E	Farm
173	LOT 110 UMHLATUZI	13464	0	28°50'17.68S	31°52'38.13E	Farm
174	UVS	18350	0	28°49'53.76S	31°56'14.9E	Farm Portion
175	UMHLATUZI RAIL	16838	0	28°50'56.44S	31°53'6.7E	Farm Portion
176	RUTH	16833	0	28°52'36.11S	31°53'1.16E	Farm Portion
177	GAGE	16695	4	28°50'44.48S	31°54'0.28E	Farm Portion
178	LOT 160 UMHLATUZI	13938	0	28°50'24.69S	31°55'51.55E	Farm Portion
179	LOT 123 UMHLATUZI	14085	0	28°49'38.68S	31°55'54.03E	Farm Portion
180		13928	0	28°49'29.19S	31°56'24.04E	Farm Portion
181	RESERVE 6	15825	12	28°44'16.12S	32°0'34.22E	Farm Portion
182	UMHLATUZI	13898	1	28°49'34.53S	31°56'25.24E	Farm Portion
183	LOT 159 UMHLATUZI	13995	0	28°50'33.15S	31°55'36.92E	Farm Portion
184	FELIXTON	17401	8	28°50'13.85S	31°54'13.63E	Farm Portion
185	RESERVE 6	15825	0	28°45'14.62S	31°58'58.11E	Farm Portion
186	LOT 114 UMHLATUZI	13453	8	28°49'15.6S	31°53'37.3E	Farm Portion
187		16362	0	28°49'18.31S	31°56'26.94E	Farm Portion
188	LOT 114 UMHLATUZI	13453	3	28°49'13.45S	31°53'51.58E	Farm Portion
189	LOT 114 UMHLATUZI	13453	4	28°50'0.29S	31°54'38.48E	Farm Portion
190	LOT 110 UMHLATUZI	13464	4	28°50'17.96S	31°52'38.27E	Farm Portion

191	LOT 113 UMHLATUZI	13528	4	28°50'16.74S	31°54'18E	Farm Portion
192	LOT 110 UMHLATUZI	13464	1	28°50'18.03S	31°53'13.53E	Farm Portion
193	LOT 110 UMHLATUZI	13464	5	28°50'16.76S	31°53'20.87E	Farm Portion
194	GAGE	16695	1	28°50'37.15S	31°53'34.13E	Farm Portion
195	PENTLANDS	16453	1	28°48'40.45S	31°53'31.83E	Farm Portion
196	LOT 114 UMHLATUZI	13453	1	28°49'15.15S	31°53'44.28E	Farm Portion
197	LOT 114 UMHLATUZI	13453	5	28°49'49.42S	31°54'24.46E	Farm Portion
198	FELIXTON SAR	13511	1	28°50'17.52S	31°53'24.98E	Farm Portion
199	LOT 113 UMHLATUZI	13528	1	28°50'17.75S	31°53'28.45E	Farm Portion
200	LOT 113 UMHLATUZI	13528	2	28°49'52.63S	31°53'27.34E	Farm Portion
201	LOT 113 UMHLATUZI	13528	5	28°50'11.94S	31°53'55.79E	Farm Portion
202	LOT 105 UMHLATUZI	13766	1	28°50'40.27S	31°53'6.45E	Farm Portion
203	FELIXTON SAR	13511	0	28°50'25.17S	31°53'11.82E	Farm Portion
204	LOT 112 UMHLATUZI	13942	1	28°48'43.35S	31°53'40.68E	Farm Portion
205	LOT 112 UMHLATUZI	13942	0	28°48'57.02S	31°53'29.39E	Farm Portion
206	LOT 105 UMHLATUZI	13766	3	28°50'44.85S	31°52'44.04E	Farm Portion
207	LOT 113 UMHLATUZI	13528	0	28°50'0.5S	31°53'35.9E	Farm Portion
208	FELIXTON	17401	0	28°50'8.74S	31°53'32.35E	Farm Portion
209	LOT 114 UMHLATUZI	13453	0	28°49'35.9S	31°54'8.84E	Farm Portion
210	LOT 114 UMHLATUZI	13453	0	28°49'35.38S	31°54'8.82E	Farm Portion
211	LOT S.A.R. NINIANS	14382	0	28°47'35.69S	31°54'4.9E	Farm Portion
212	LOT 110 UMHLATUZI	13464	0	28°50'17.24S	31°52'37.37E	Farm Portion
213	FELIXTON	17401	6	28°49'57.17S	31°54'0.09E	Farm Portion
214	FELIXTON	17401	0	28°50'8.26S	31°53'31.8E	Farm Portion
215	FELIXTON	17401	0	28°50'13.7S	31°54'13.61E	Farm Portion
216	RESERVE 10	15830	3	28°51'41.04S	31°57'25.35E	Farm Portion
217	UMHLAGAGE	16696	0	28°50'35.32S	31°54'38.42E	Farm Portion
218	PENTLANDS	16453	1	28°48'41S	31°53'31.26E	Farm Portion
219	RESERVE 6	15825	114	28°44'41.1S	31°59'20.5E	Farm Portion
220	RESERVE 6	15825	0	28°45'13.18S	32°1'51.11E	Farm Portion
221	LOT 159 UMHLATUZI	13995	3	28°50'40.18S	31°55'33.59E	Farm Portion
222	LOT 159 UMHLATUZI	13995	2	28°50'43.44S	31°55'34.7E	Farm Portion
223	LOT 159 UMHLATUZI	13995	0	28°50'32.1S	31°55'38.37E	Farm Portion

Development footprint¹ vertices:

¹ “development footprint”, means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2387	Wind	Approved	6.8
2	12/12/20/2387/AM1	Wind	Approved	3.9
3	14/12/16/3/3/2/2041	Solar PV	Approved	0.9
4	14/12/16/3/3/1/462	Solar PV	Approved	14.2
5	14/12/16/3/3/2/867	Solar PV	Approved	7

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Utilities Infrastructure | Electricity | Distribution and Transmission | Powerline.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Expanded Eastern Corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Strategic Gas Pipeline Corridors-Phase 7: Coega to Richards Bay	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf
Main Electricity Transmission Substation	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf
Main Electricity Distribution Substation	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Distribution_Transmission.pdf

Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the

proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme	X			
Animal Species Theme		X		
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme	X			
Civil Aviation Theme		X		
Defence Theme				X
Paleontology Theme		X		
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

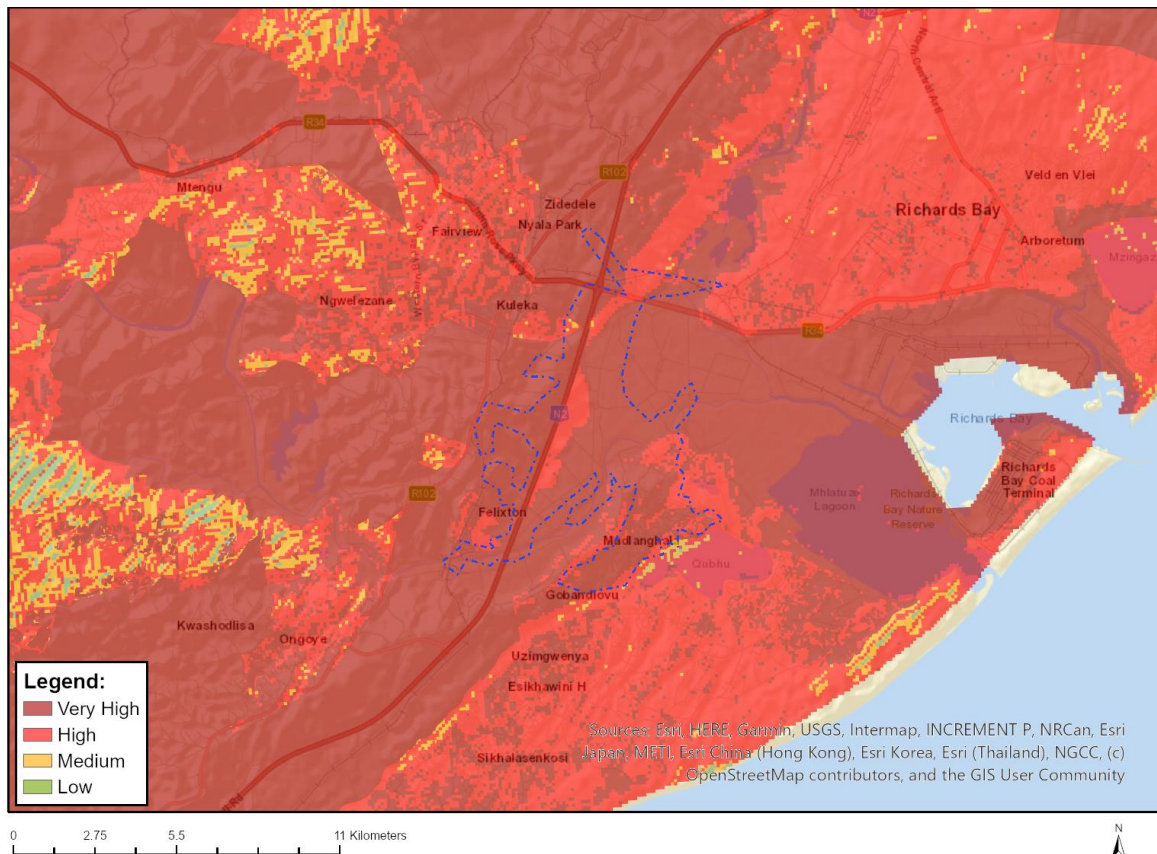
No	Specialist assessment	Assessment Protocol
1	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
2	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
3	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf
4	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
5	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
6	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf
7	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.pdf
8	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
9	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf

		otocols.pdf
10	Avian Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Avifauna_Assessment_Protocols.pdf
11	Civil Aviation Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
12	RFI Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



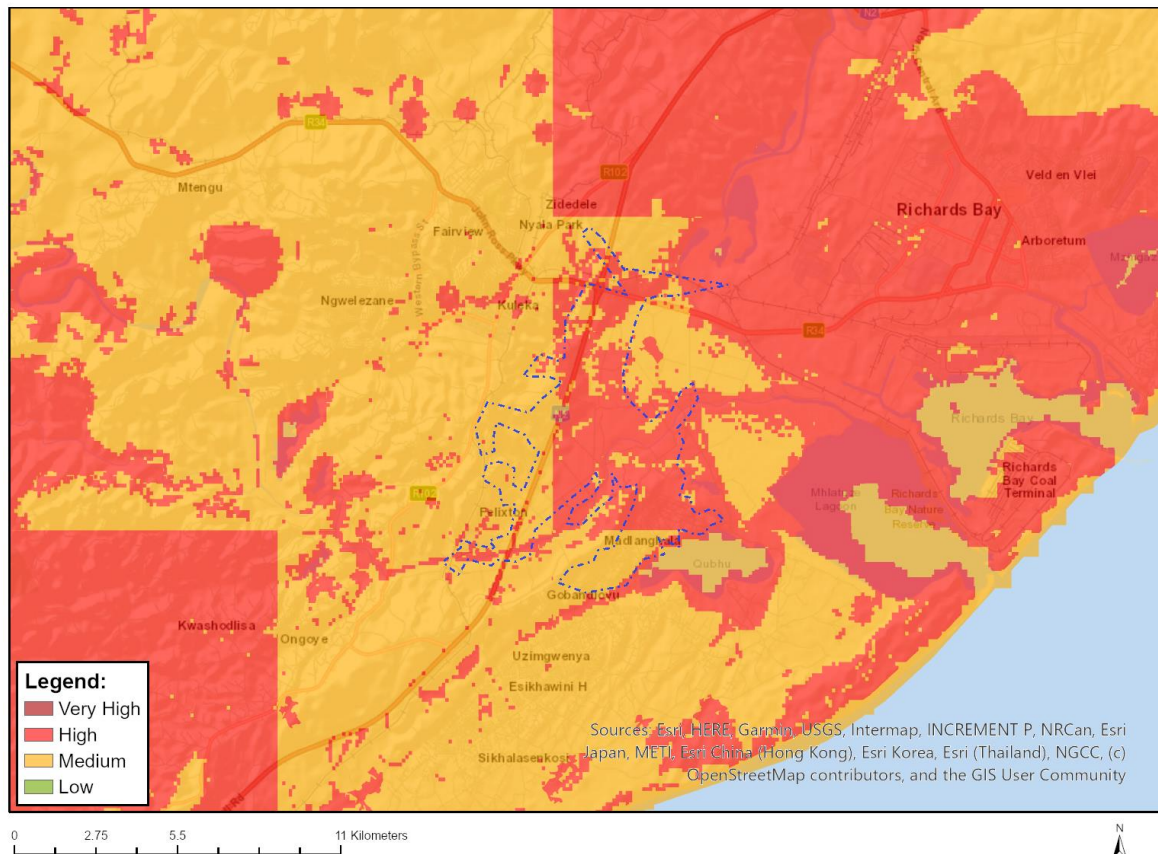
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Rainfed Annual Crop Cultivation / Planted Pastures
High	09. Moderate-High
High	10. Moderate-High
High	08. Moderate
Medium	07. Low-Moderate
Medium	06. Low-Moderate
Very High	Horticulture
Very High	Pivot_Irrigation
Very High	Subsistence_Farming_1 (Sugarcane)
Very High	Reding Dam PAA

Very High	Mtunzini PAA
Very High	11. High
Very High	13. High-Very high
Very High	12. High-Very high
Very High	15. Very high
Very High	14. Very high

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

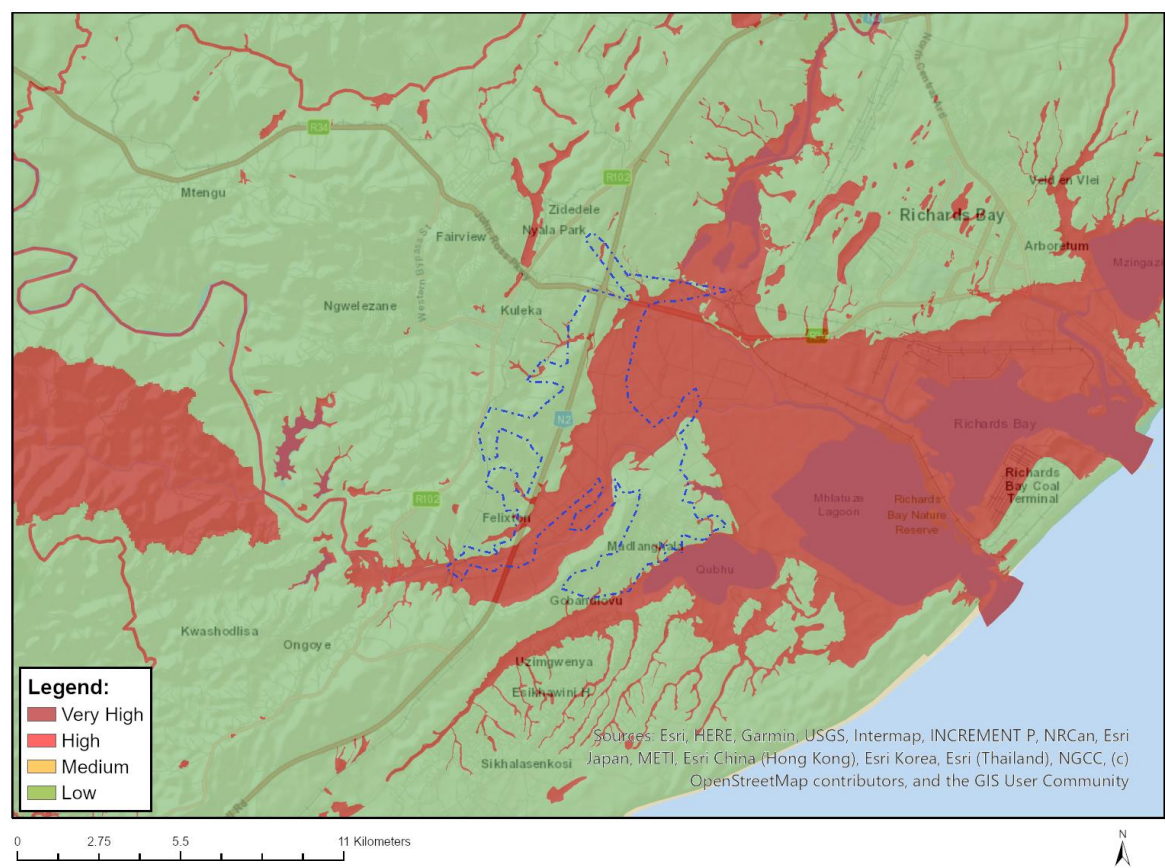
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Circus ranivorus
High	Aves-Halcyon senegaloides
High	Aves-Nettapus auritus
High	Aves-Hydroprogne caspia
High	Aves-Balearica regulorum
High	Aves-Pelecanus onocrotalus

High	Aves-Microparra capensis
High	Aves-Pelecanus rufescens
High	Aves-Circaetus fasciolatus
High	Aves-Caprimulgus natalensis
High	Aves-Mycteria ibis
High	Aves-Polemaetus bellicosus
Medium	Amphibia-Hyperolius pickersgilli
Medium	Aves-Podica senegalensis
Medium	Aves-Circus ranivorus
Medium	Aves-Nettapus auritus
Medium	Aves-Terathopius ecaudatus
Medium	Aves-Hydroprogne caspia
Medium	Aves-Balearica regulorum
Medium	Aves-Halcyon senegaloides
Medium	Aves-Circaetus fasciolatus
Medium	Aves-Geokichla guttata
Medium	Aves-Aquila rapax
Medium	Aves-Gyps africanus
Medium	Aves-Stephanoaetus coronatus
Medium	Insecta-Deloneura millari millari
Medium	Insecta-Iolais diametra natalica
Medium	Insecta-Teriomima zuluana
Medium	Mammalia-Dendrohyrax arboreus
Medium	Mammalia-Lycaon pictus
Medium	Sensitive species 8
Medium	Reptilia-Crocodylus niloticus
Medium	Reptilia-Dendroaspis angusticeps
Medium	Reptilia-Pelusios rhodesianus
Medium	Invertebrate-Forest invertebrate
Medium	Invertebrate-Arytropteris basalis
Medium	Invertebrate-Pomatonota dregii
Medium	Invertebrate-Physophorina livingstonii
Very high	Arachnida-Quamtana mbaba

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

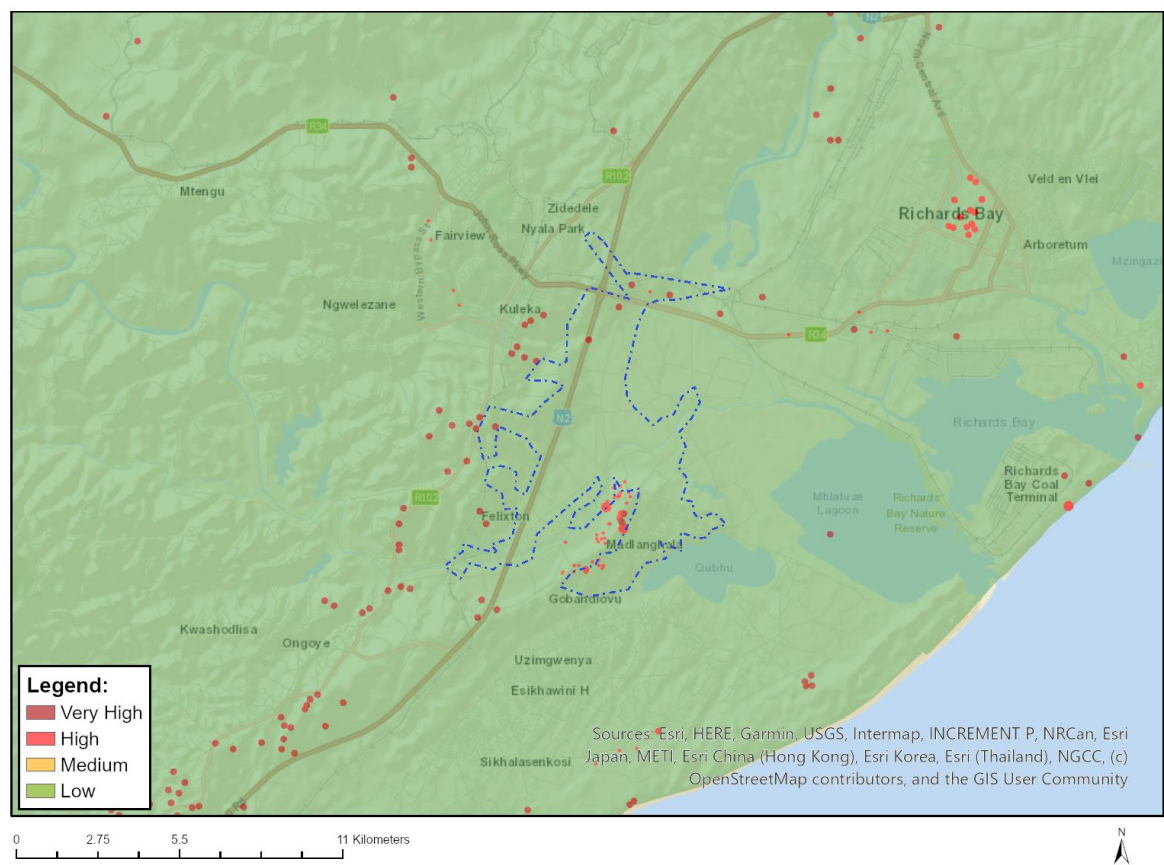


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Estuary
Very High	Wetlands_Floodplain
Very High	Wetlands_Seep
Very High	Wetlands_Unchannelled valley-bottom
Very High	Estuary_uMhlathuze
Very High	Rivers

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

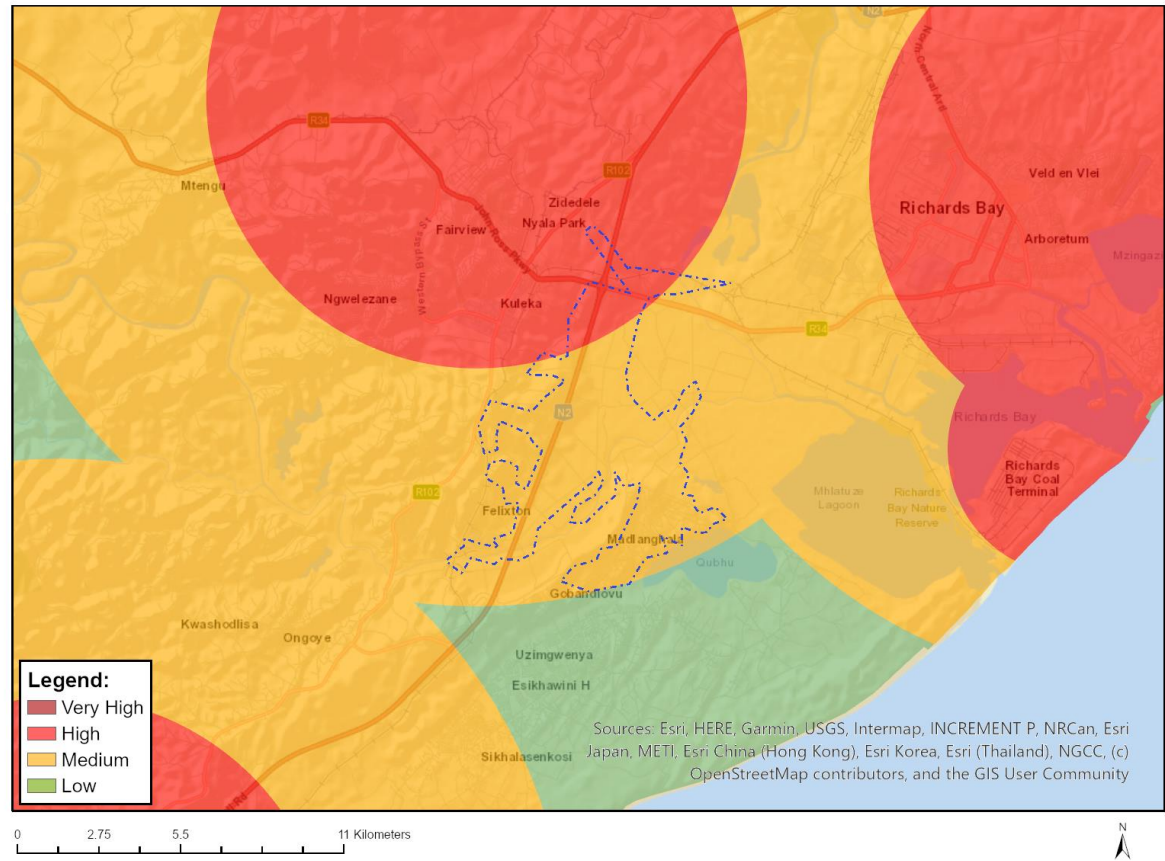


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 150m of a Grade IIIa Heritage site
High	Within 100m of a Grade IIIb Heritage site
High	Within 50m of a Grade IIIc Heritage site
Low	Low Sensitivity
Very High	Within 100m of an Ungraded Heritage site

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

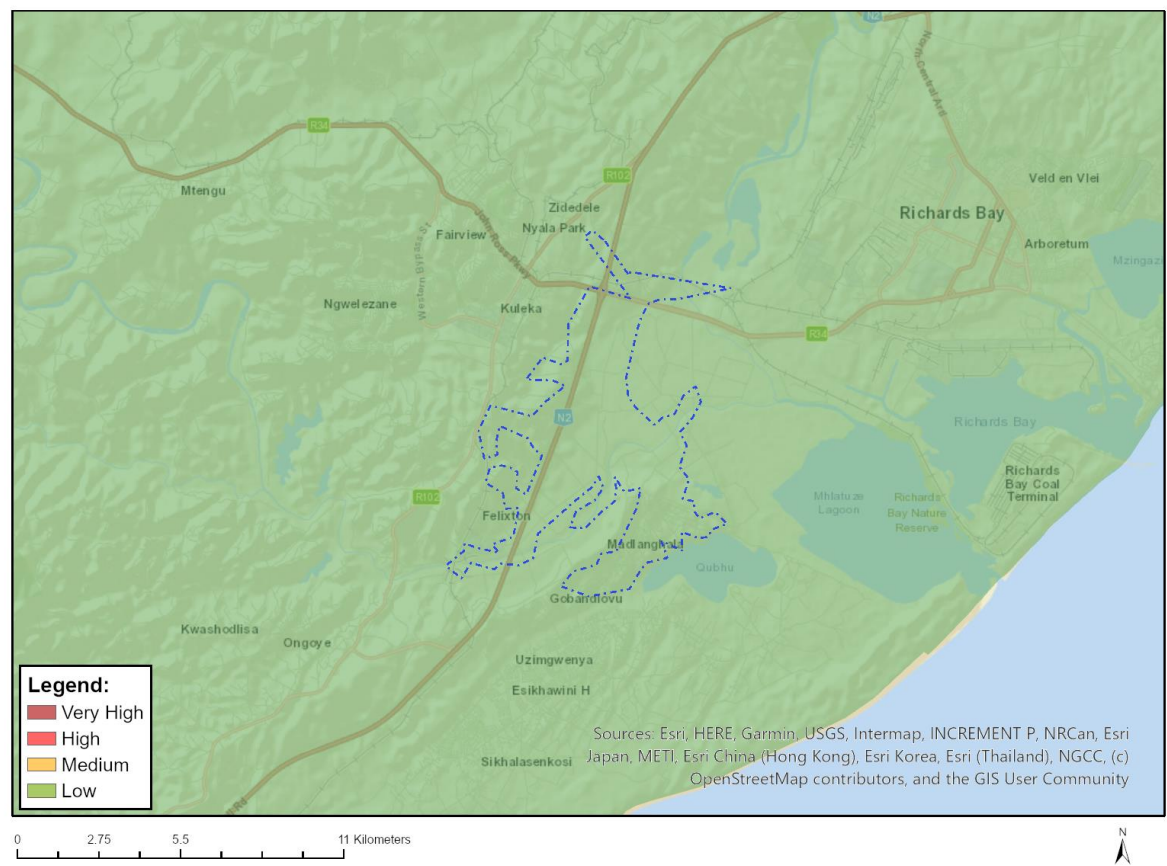


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Low	Low sensitivity
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

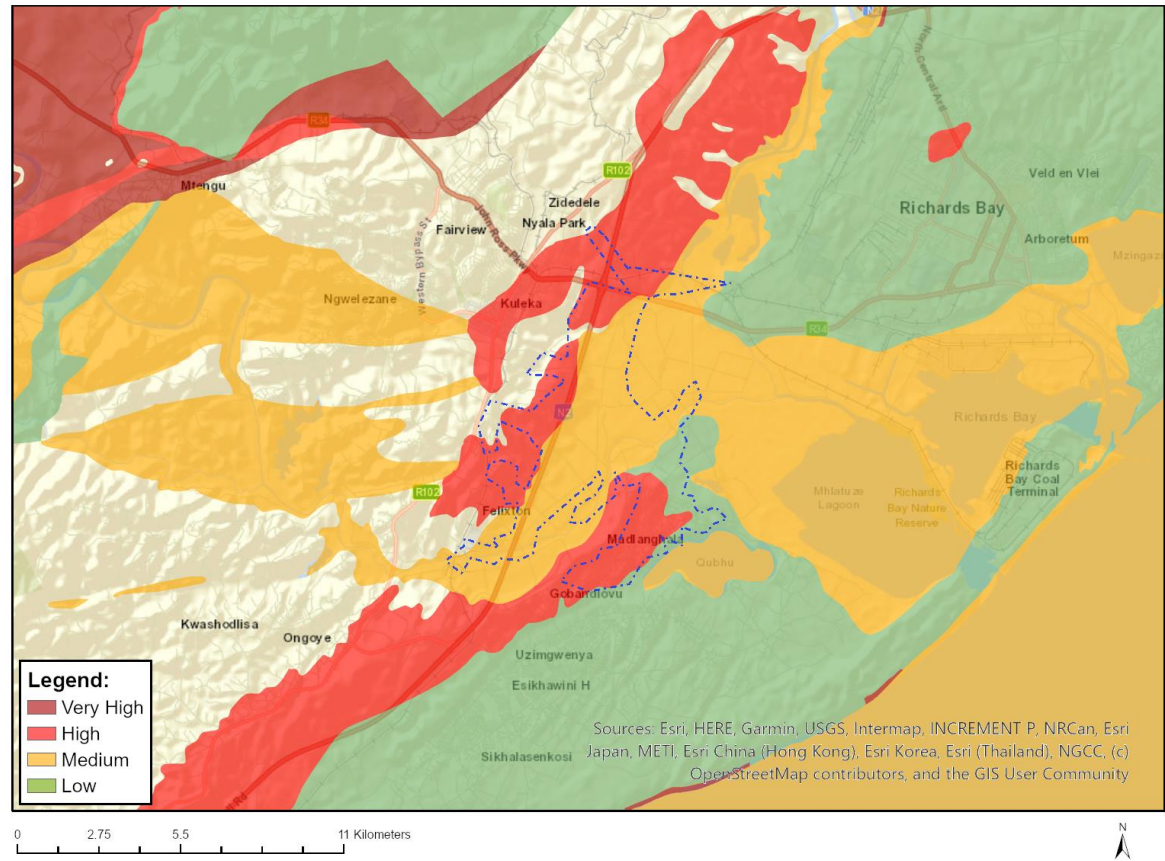


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

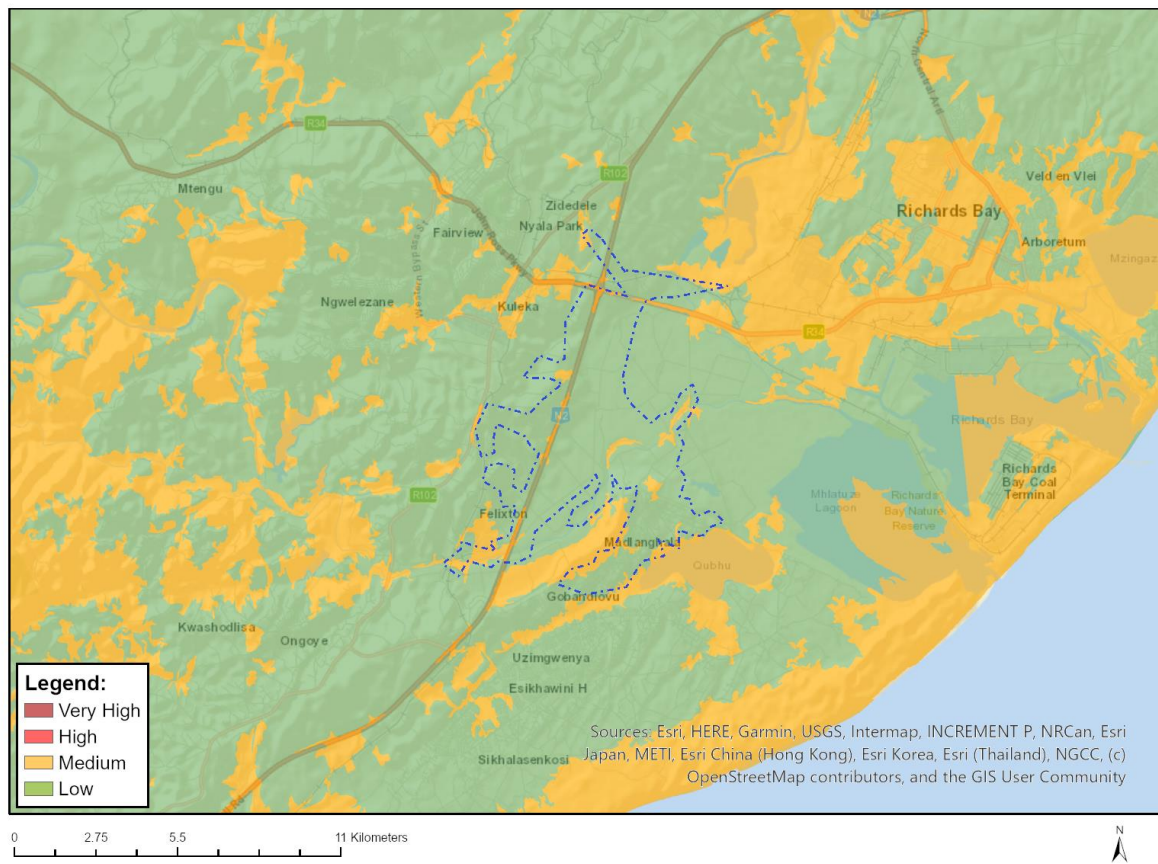


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Features with a High paleontological sensitivity
Low	Features with a Low paleontological sensitivity
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



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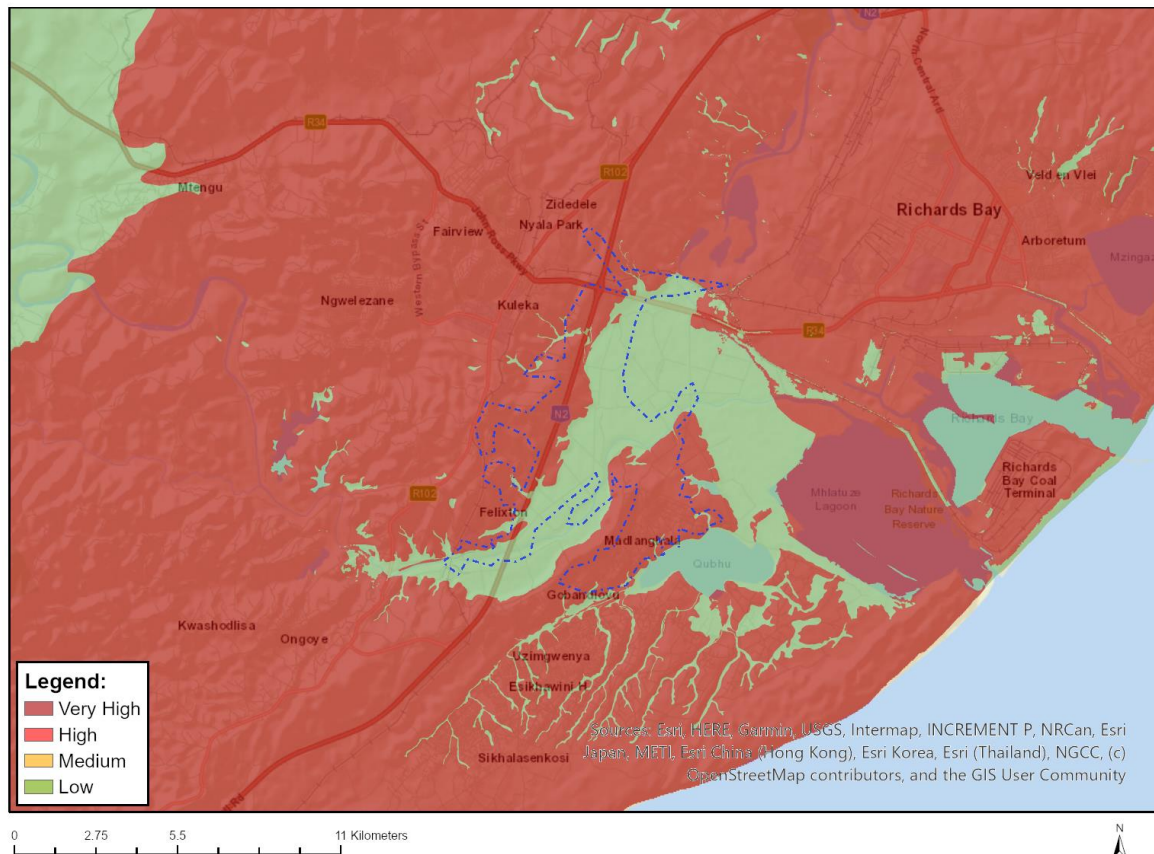
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Sensitive species 1252
Medium	Aspalathus gerrardii
Medium	Tephrosia inandensis
Medium	Thesium polygaloides
Medium	Sensitive species 89
Medium	Freesia laxa subsp. azurea
Medium	Fimbristylis aphylla
Medium	Emplectanthus cordatus
Medium	Pachycarpus concolor subsp. arenicola
Medium	Nidorella tongensis
Medium	Senecio ngoyanus
Medium	Wolffiella denticulata

Medium	Cassipourea gummiflua var. verticillata
Medium	Oxygonum dregeanum subsp. streyi
Medium	Pavonia dregei
Medium	Sensitive species 649
Medium	Sensitive species 1221
Medium	Sensitive species 191

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	CBA 1
Very High	Indigenous forest_ Northern Coastal Forest
Very High	Indigenous forest_ Swamp Forest
Very High	National Protected Area Expansion Strategy (NPAES)
Very High	EN_Maputaland Coastal Belt