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## ROSEBY COPPER DRILLING CONFIRMS RESOURCE UPSIDE

**Altona Mining Limited** (Altona) today announced positive results from a 20 hole, 4127m RC drilling programme at the Roseby Copper Project (Roseby) near Mt Isa in Queensland, Australia.

The drilling targeted strike and dip extensions to the Legend, Blackard and Scanlan Resources, aimed to improve understanding of continuity in both weathered rocks and in the underlying primary copper sulphide system and to test the potential for 'bulk mining' at low cut-off grades.

The programme was very successful. Numerous thick intersections, at similar grades to existing resources, highlighted the potential for strike extensions of up to 500m at each of the three deposits tested.

The drilling reinforced that none of the eleven deposits at Roseby have been adequately closed off and confirmed the continuity of Resources in areas of widely spaced drilling.

There is also clear potential to apply lower cut-off grades to Resources and materially improve Resource tonnages. This is illustrated by the very thick intersections which were returned when applying a 0.15% copper cut off, for example;

- **219m at 0.55% copper from 2m deep** (Blackard BCR879).
- **139m at 0.60% copper from surface** (Scanlan SCR176).

Highlights of the drilling at a 0.30% copper cut-off grade are:

<b>Blackard</b>	BCR875:	<b>31m @ 0.8% copper from 72m</b>
	BCR877:	<b>34m @ 0.7% copper from 27m</b>
	BCR876:	<b>23m @ 1.1% copper from 176m</b>
	BCR878:	<b>43m @ 0.7% copper from 62m</b>
	BCR879:	<b>70m @ 0.9% copper from 3m</b>
	BCR880:	<b>93m @ 0.8% copper from 54m (inc. 40m @ 1.3% copper)</b>
	BCR881:	<b>59m @ 0.6% copper from 17m</b>
<b>Scanlan</b>	SCR176:	<b>70m @ 0.7% copper from surface</b>
	SCR176:	<b>26m @ 0.9% copper from 78m</b>
	SCR181:	<b>63m @ 0.6% copper from 22m</b>
<b>Legend</b>	BCR873:	<b>48m @ 0.6% copper from 56m</b>
	BCR872:	<b>21m @ 1.1% copper from 88m</b>


One intersection of **28m at 0.9% copper from 189m** (BCR879) highlighted the potential to develop a Resource in fresh rock at open pit depth below the Blackard Resource.

The drilling illustrates the potential for significant expansion of current resources and to lift the confidence class of Resources by in-fill drilling. Consequently, the Company has commenced planning of a 25,000m RC drilling programme in March 2011 and started upon Resource re-estimation.

Altona has set a target of increasing the total Resource tonnage by at least 50%. Total Resources at Roseby are 132.5Mt @ 0.68% copper, 0.06g/t gold, containing 906,500 tonnes of copper and 254,500 ounces of gold in a total of 11 deposits.

Details of results are in the Appendix to this release.

-ENDS-



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### **Competent Persons Statement**

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled and reviewed by Dr Alistair Cowden BSc (Hons), PhD, MAusIMM, MAIG and Mr Maurice Hoyle BSc, FAusIMM who are full time employees of the Company and have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Messer's Cowden and Hoyle consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

### **About Roseby**

The Roseby Copper Project is 100% owned by Altona Mining Limited and is one of Australia's largest undeveloped copper resources containing 906,000 tonnes of copper metal and 254,000 ounces of gold. It has been the subject of a Definitive Feasibility Study which envisages the production of 26,000 tonnes per annum of copper and 7,500 ounces per annum of gold for 10 years from a 5Mtpa open pit mining operation. Environmental and regulatory approvals for construction of this substantial mining operation are well advanced.

The Roseby Project is over 1,400km<sup>2</sup> in size and is a major strategic land holding being only 95km northeast of the major mining centre of Mt Isa in northwest Queensland.

The Mt Isa area is one of the world's foremost base metal mining provinces. It is estimated that the area hosts approximately 11% of the world's zinc, 5% of its silver and 1% of its copper.

Despite the large copper and gold Resources that have already been declared, the Project remains highly prospective and underexplored. In addition to excellent copper and gold exploration potential, the project is prospective for the discovery of uranium, molybdenum, rare earth elements (REE) and zinc deposits.

## APPENDIX

Drilling results using a 0.3% copper cut-off grade, 4 metre maximum internal waste and a 3 metre minimum intercept, are presented in full in Table 1 and collar details are presented in Table 3. Drilling is also presented in Figures 1 to 10 attached. Discussion of the results in detail is given in the appendix attached.

### **Blackard**

Blackard is a large, thick and shallow deposit with the bulk of mineralisation occurring as finely disseminated native copper in deeply weathered sediment (clays). The deposit has a Measured, Indicated and Inferred Resource of 46.25Mt @ 0.63% copper (See Table 4).

At Blackard, 1,687 metres of drilling was completed. Seven holes were drilled, three were drilled to test for potential extensions to the north of the existing resource and four tested for Resource continuity and for sulphide mineralisation lying beneath the resource in the south.

BCR880 was abandoned before it reached the sulphide mineralisation target depth. All other holes reached the planned depth.

#### *Blackard North*

Testing of the potential 500m strike length extension of the Blackard Resource to the north intersected mineralisation at planned depths. Coarse platy nuggetty native copper, ranging up to 2cm in size, was intersected in BCR875 from 77-78m depth. Mineralisation remains open to the north towards the Legend deposit and at depth.

Drillholes BCR876 and 877 confirmed the continuity of the potential extension to the mineralisation. Best intersections include:

**BCR876: 23m @ 1.07% copper from 189m  
(Including 9m @ 1.68% copper from 189m )**

**BCR877: 34m @ 0.68% copper from 27m  
(Including 10m @ 1.26% copper from 45m)**

**3m @ 0.59% copper from 298m**

The continuity of grade, tenor and trend of mineralisation over a strike length of 500m north of the resource area has been confirmed, potentially adding substantially to the Resource and demonstrating potential to further extend Resources along the poorly tested 1.25km trend of known bedrock copper anomalism and geophysical anomalism between Blackard and the Legend deposit.

#### *Blackard South*

Of the four holes testing the first 100m of fresh rock beneath the existing resource in weathered rock, BCR879 was the most successful and tested 50m to the south of good sulphide intersection in BCD850 (94m @ 0.9% copper). BCR879 intersected similar mineralisation viz:

**BCR879: 28m @ 0.90% copper from 189m**

**Incl: 9m @ 1.41% copper from 208m and**

**18m @ 0.52% copper from 261m**

Drillholes BCR878 and 881 tested for potential sulphide mineralisation east and west of the projected mineralisation in BCD850 and were essentially barren. These results appear to constrain this zone of mineralisation in fresh rock to a NNE trending corridor of some 50 metres width and at least 250m strike length open to the north and south and at depth.



## Scanlan

Scanlan is a large shallow deposit similar in style to Blackard. The bulk of mineralisation occurring as finely disseminated native copper. The deposit is not well understood in terms of controls on geometry and limits to mineralisation. Indicated and Inferred Resources are 19.62Mt @ 0.68% copper (See Table 4).

Seven holes were drilled for 1,324m of RC drilling. Four to test a potential 0.4km strike extension of the shallow native copper mineralisation to the north. Three to determine extensions to, and the presence of, sulphide mineralisation beneath the deposit. Drill hole SCR182 was abandoned before reaching target depth.

Very robust intersections were obtained 400m north of the Resource with SCR176 returning a 219m intersection. There is clear potential for a substantial increase in the resource to the north.

Drilling of potential extensions to mineralisation close to the base of weathering in the south of the deposit highlighted the predictability of the Resource model, its continuity and delivered resource extensions.

## Legend

At Legend, 1,116m of drilling was completed testing the potential to improve the strike and dip extensions and continuity of shallow native copper resources. Legend is a modest grade Inferred Resource of 6.13Mt @ 0.60% copper (see Table 4) and an excellent test case for the resource expansion opportunity. It has not been drilled by the company with the last drilling completed by CRA in 1992.

Three drillholes (BCR872-874) tested a 150m south easterly strike extension of the Legend resource towards the Blackard deposit (Figures 1,2 and 4). These located good grades of weathered oxide mineralisation at relatively shallow depths which is open in all directions and trends along a partially drill tested bedrock copper anomaly extending for over 1.25km towards the Blackard resource, suggesting potential to add resources between the Legend and Blackard deposits.

The three western drillholes at Legend (BCR869-871) tested for depth and strike extensions beneath the Legend resource and located low-grade sulphide copper mineralisation at modest depth, extending previously drilled mineralisation by approximately 100-150m down dip (Figures 9 and 10).

These results are very encouraging with all holes intersecting extensions to the resource mineralisation at predicted depths, increasing confidence in the resource model and substantially extending mineralisation down dip and along strike. Mineralisation remains open in all directions in all holes.

Table 1: Significant Drill Intersections at 0.3% copper cut off grade.

Deposit	Hole ID	From (m)	Width (m)	Copper (%)
Legend	BCR869	232	13	0.46
Legend	BCR870	103	8	0.37
		120	7	0.68
		133	21	0.57
		174	31	0.45
		212	8	0.34
Legend	BCR871	104	3	0.32
		128	16	0.35
		164	20	0.52
		179	5	0.59
Legend	BCR872	25	26	0.59
		60	32	0.57
Legend	BCR873	56	48	0.63
Legend	BCR874	46	20	0.55
		75	7	0.33
		88	21	1.09
		118	4	0.53
Blackard	BCR875	72	31	0.81
		108	18	0.40
Blackard	BCR876	53	7	0.53
		77	8	0.34
		130	7	0.41
		176	23	1.07
		<i>inc</i>	9	1.68
Blackard	BCR877	27	34	0.68
		<i>inc</i>	10	1.26
		189	3	0.40
		298	3	0.59
Blackard	BCR878	30	27	0.48
		62	43	0.72
		128	7	0.72
		187	11	0.69
		264	7	0.36
Blackard	BCR879	3	70	0.85
		<i>inc</i>	20	1.16
		82	29	0.59
		189	28	0.90
		261	18	0.52
Blackard	BCR880	54	93	0.81
		<i>inc</i>	40	1.31
		155	12	0.98
Blackard	BCR881	17	59	0.58
Scanlan	SCR176	0	70	0.68
		78	26	0.90
		<i>inc</i>	8	1.30
		124	13	0.49
		162	14	0.32
Scanlan	SCR177	3	32	0.43
		48	16	0.45
		74	3	0.41
Scanlan	SCR178	56	63	0.48
Scanlan	SCR179	12	3	0.38
		30	11	0.37
Scanlan	SCR180	31	35	0.44
		72	54	0.48
	SCR181	22	63	0.57
		104	40	0.44

Table 2: Selected Significant Drill Intersections at 0.15% copper cut off grades

Deposit	Hole ID	From (m)	Width (m)	Copper (%)
Legend	BCR869	214	31m	0.33%
Legend	BCR871	127	20m	0.32%
Legend	BCR872	23	69m	0.52%
Legend	BCR874	43	79m	0.54%
Blackard	BCR876	172	28m	0.91%
Blackard	BCR877	21	42m	0.58%
Blackard	BCR878	22	85m	0.56%
		183	23m	0.43%
Blackard	BCR879	2	219m	0.55%
Blackard	BCR880	40	129m	0.71%
Blackard	BCR881	4	89m	0.44%
Scanlan	SCR176	0	139m	0.60%
Scanlan	SCR177	0	82m	0.35%
Scanlan	SCR178	55	78m	0.47%
Scanlan	SCR181	11	136m	0.44%

Note: BCR870 and BCR873 no changes to 0.30% copper mineralised intervals at 0.15% copper cut-off

Table 3: Drill Collar Details

Hole ID	Easting AMG	Northing AMG	Dip	Azimuth AMG	Final Depth (m)
<b>Legend</b>					
BCR869	410380	7767394	-60	351	247
BCR870	410613	7767485	-60	351	247
BCR871	410729	7767433	-60	351	217
BCR872	410758	7767559	-60	045	127
BCR873	410810	7767510	-60	045	151
<b>Blackard</b>					
BCR874	410880	7767480	-60	045	229
BCR875	412011	7766455	-60	081	151
BCR876	412063	7766108	-65	081	223
BCR877	412120	7766169	-90	0	301
BCR878	412450	7765017	-65	081	295
BCR879	412517	7764959	-60	081	307
BCR880	412500	7764910	-90	0	175
BCR881	412637	7764886	-75	081	235
<b>Scanlan</b>					
SCR176	412293	7755095	-75	261	211
SCR177	412249	7755072	-70	261	141
SCR178	412260	7754987	-65	261	160
SCR179	412211	7754979	-60	261	97
SCR180	412049	7753937	-70	081	251
SCR181	412206	7753815	-80	261	233
SCR182	412242	7753772	-70	211	211

Table 4: Roseby Resource Estimates by Deposit

DEPOSIT	TOTAL			CONTAINED METAL		MEASURED			INDICATED			INFERRED		
	Tonnes	Grade		Copper	Gold	Tonnes	Grade		Tonne	Grade		Tonnes	Grade	
	million	Cu %	Au g/t	tonnes	ounces	million	Cu %	Au g/t	million	Cu %	Au g/t	million	Cu %	Au g/t
<b>NATIVE COPPER DOMINANT DEPOSITS</b>														
Blackard	46.25	0.63	0.01	293,000	16,190	26.29	0.64	0.01	17.87	0.63	0.01	2.09	0.58	0.01
Legend	6.13	0.60	0.01	36,597	1,942							6.13	0.6	0.01
Longamundi	10.40	0.66	0.01	69,037	3,632							10.40	0.66	0.01
Great Southern	6.00	0.61	0.01	36,330	2,000							6.00	0.61	0.01
Scanlan	19.62	0.68	0.01	134,160	7,370				15.37	0.65	0.01	4.24	0.8	0.01
Charlie Brown	0.70	0.40	0.01	2,820	230							0.70	0.40	0.01
Caroline	3.60	0.53	0.02	18,820	2,390							3.60	0.53	0.02
Sub-total	92.70	0.64	0.01	590,764	33,754	26.29	0.64	0.01	33.24	0.63	0.01	33.16	0.63	0.01
<b>SULPHIDE DOMINANT DEPOSITS</b>														
Little Eva	30.37	0.78	0.14	237,690	132,230	3.84	1.04	0.13	22.81	0.75	0.13	3.72	0.73	0.15
Ivy Ann	4.00	0.72	0.12	28,800	15,432							4.00	0.72	0.12
Lady Clayre	3.70	0.88	0.51	32,747	59,309							3.70	0.88	0.51
Bedford	1.77	0.93	0.24	16,503	13,793							1.77	0.93	0.24
Sub-total	39.84	0.79	0.17	315,740	220,764	3.84	1.04	0.13	22.81	0.75	0.13	13.19	0.80	0.26
<b>TOTAL</b>	<b>132.54</b>	<b>0.68</b>	<b>0.06</b>	<b>906,504</b>	<b>254,518</b>	<b>30.13</b>	<b>0.69</b>	<b>0.03</b>	<b>56.05</b>	<b>0.68</b>	<b>0.06</b>	<b>46.35</b>	<b>0.68</b>	<b>0.08</b>

(From ASX release dated 11 January 2011)

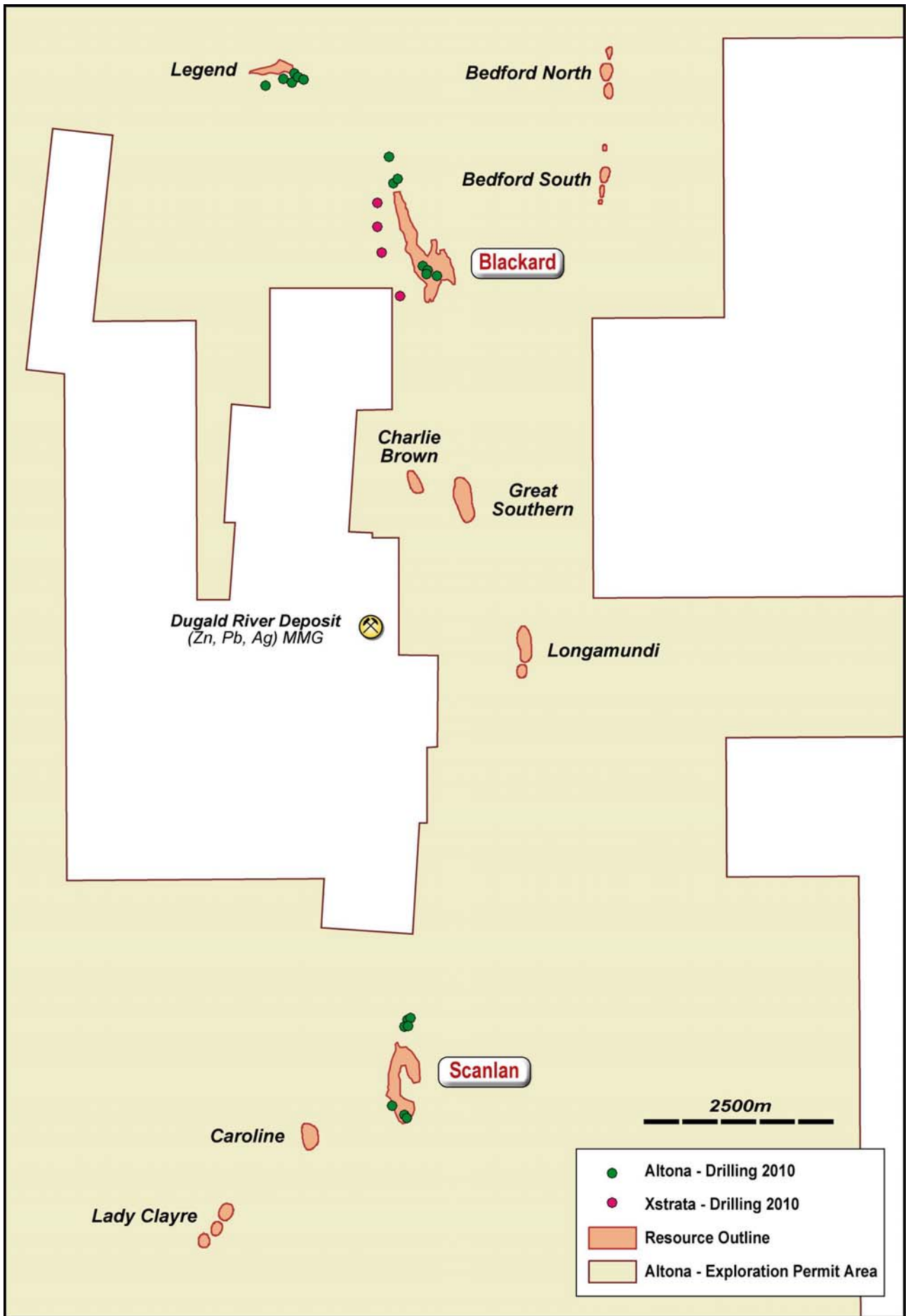


Figure 1: Location of drillholes relative to Resources (excludes Little Eva and Ivy Ann)

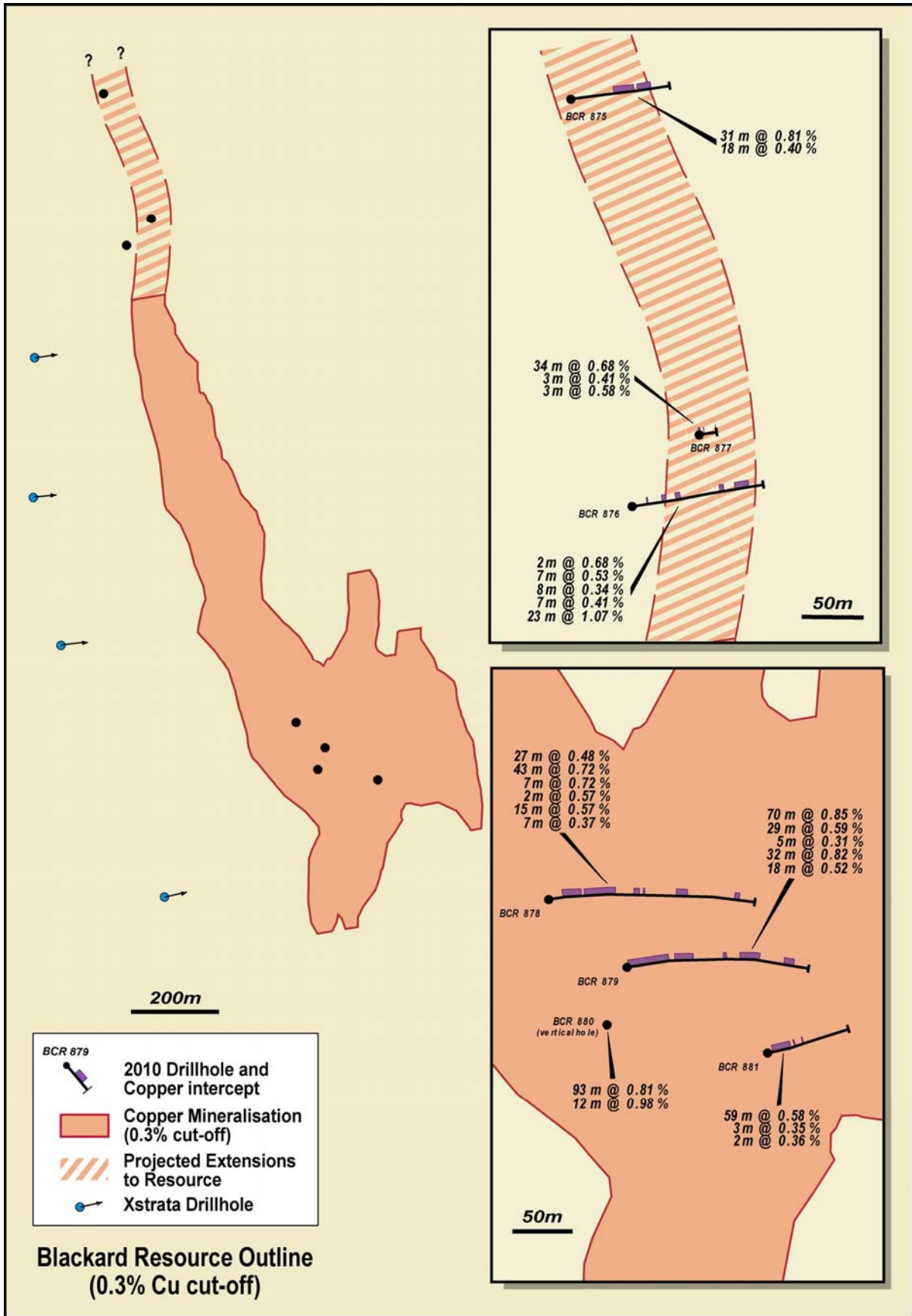


Figure 2: Location of drillholes at the Blackard deposit

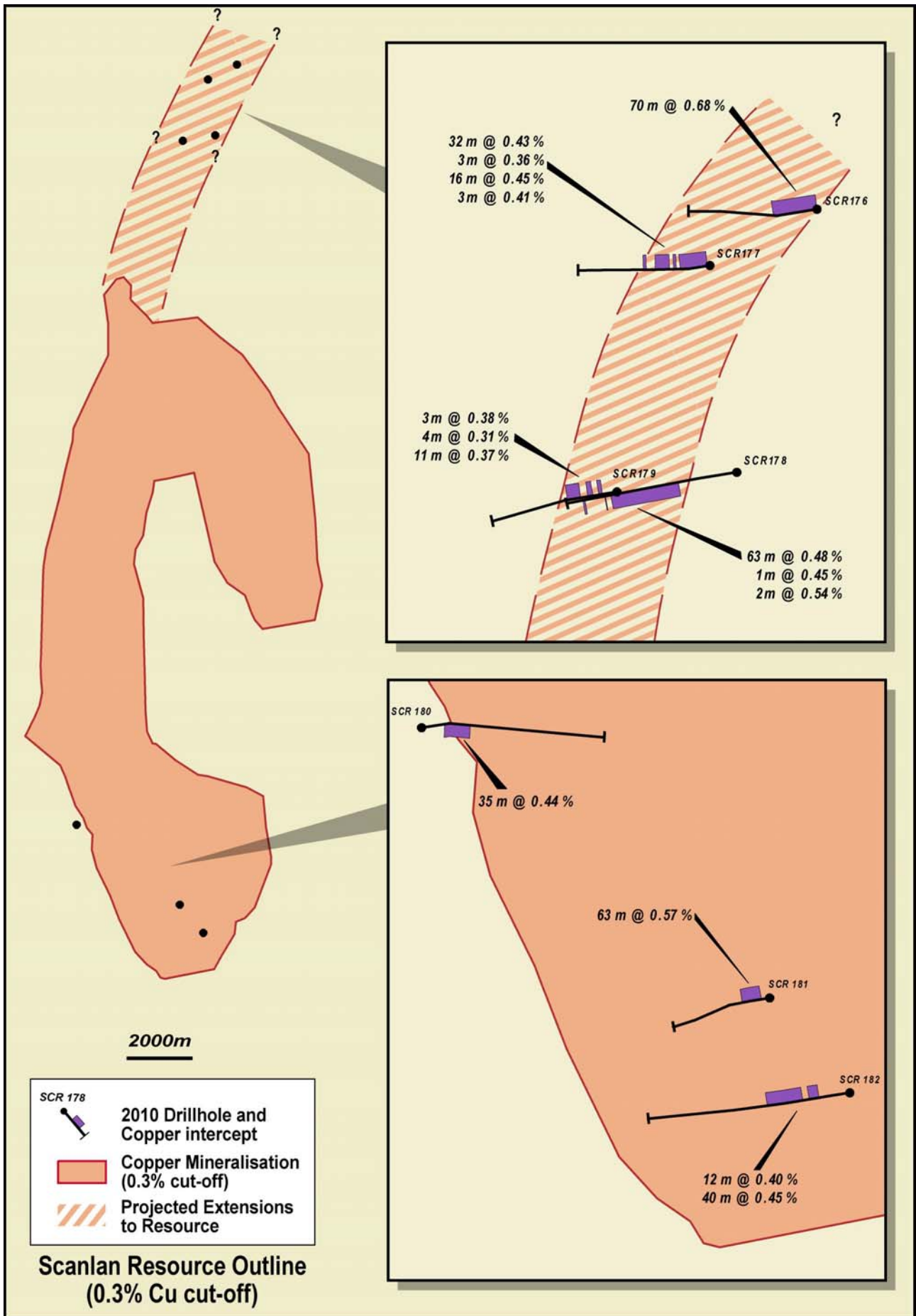


Figure 3: Deposit location of drillholes the Scanlan deposit

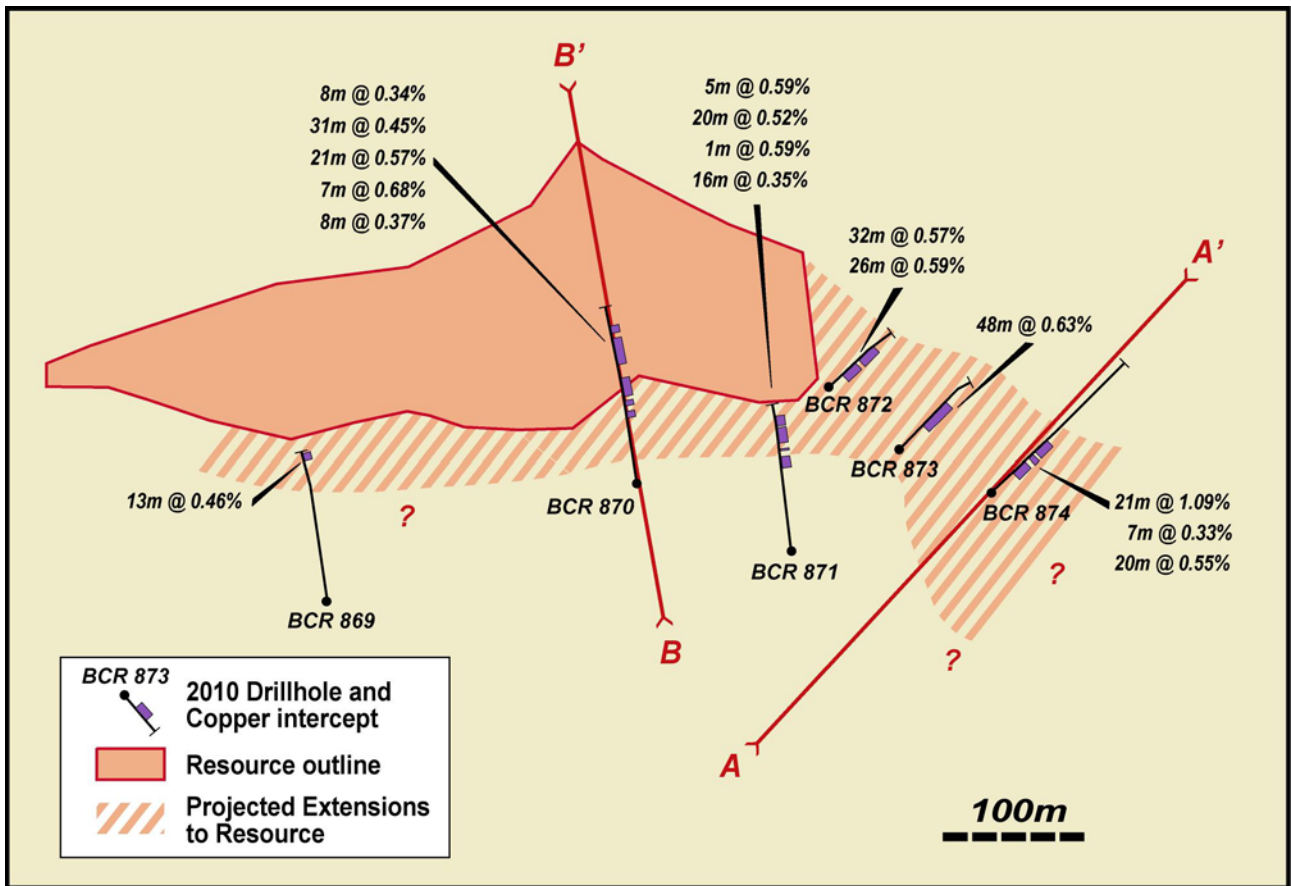


Figure 4: Location of drillholes at the Legend deposit

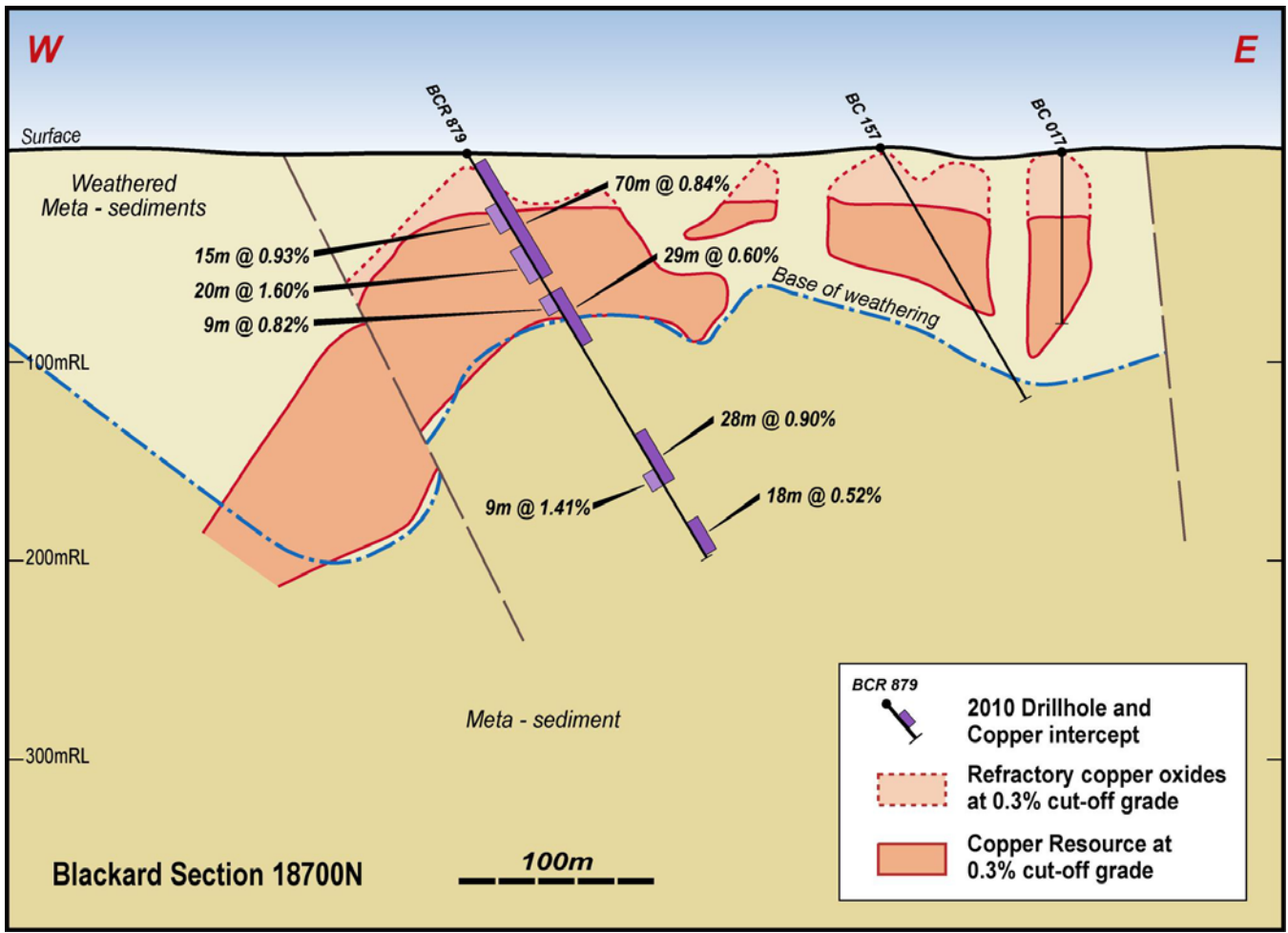


Figure 5: Blackard cross section 18700N (many drill holes and results are not shown for clarity)

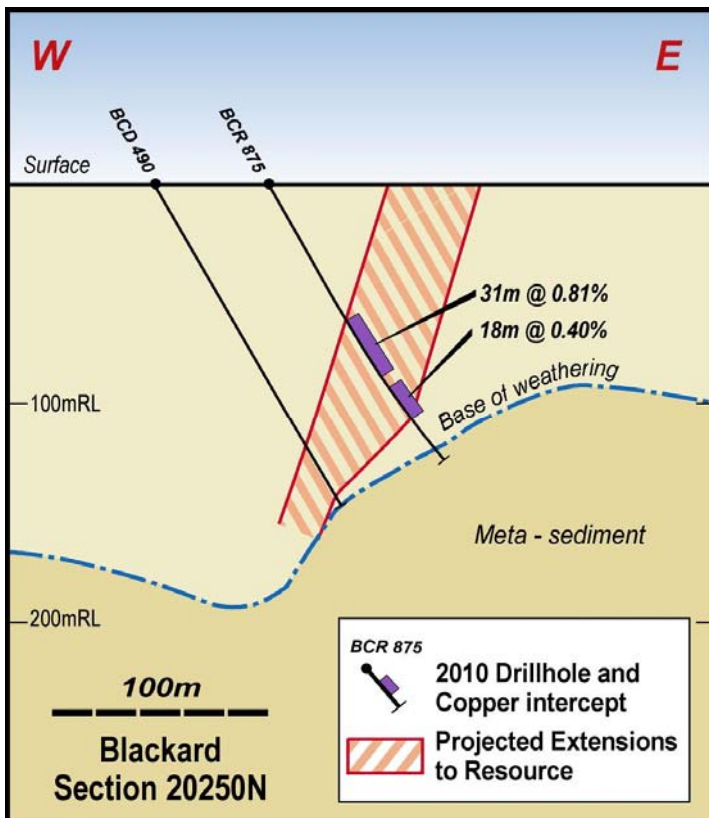


Figure 6: Blackard Cross Section 20250N

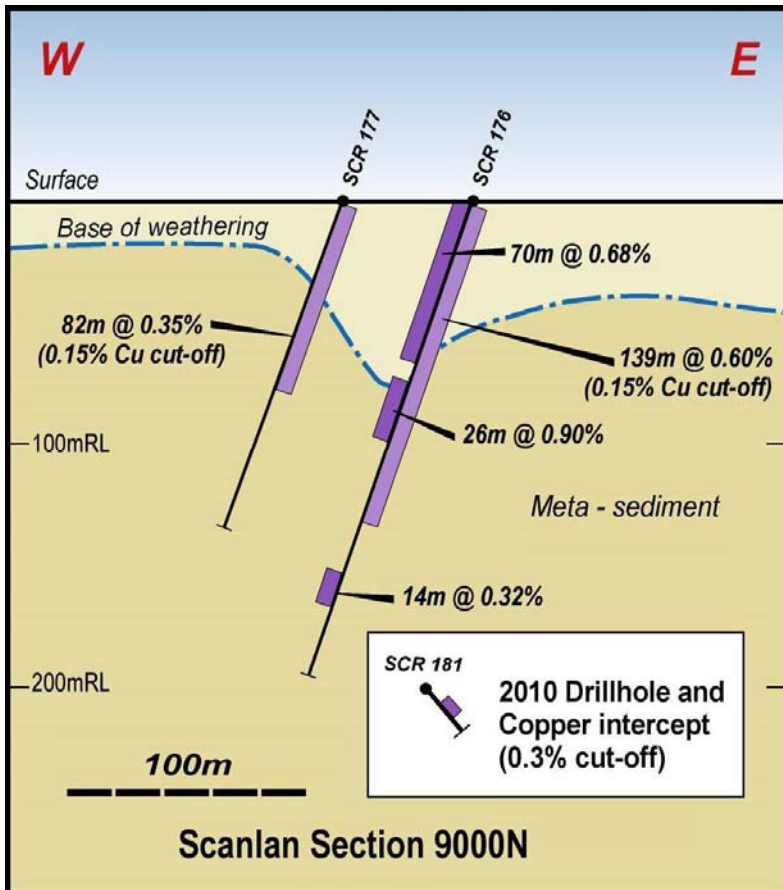


Figure 7: Scanlan cross section 9000N

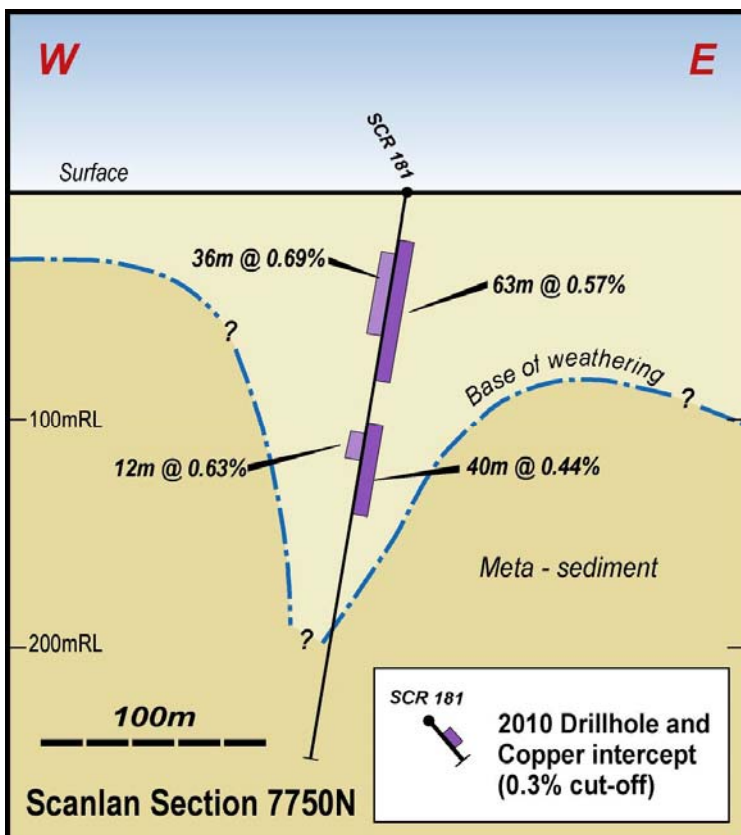


Figure 8: Scanlan cross section 7750N

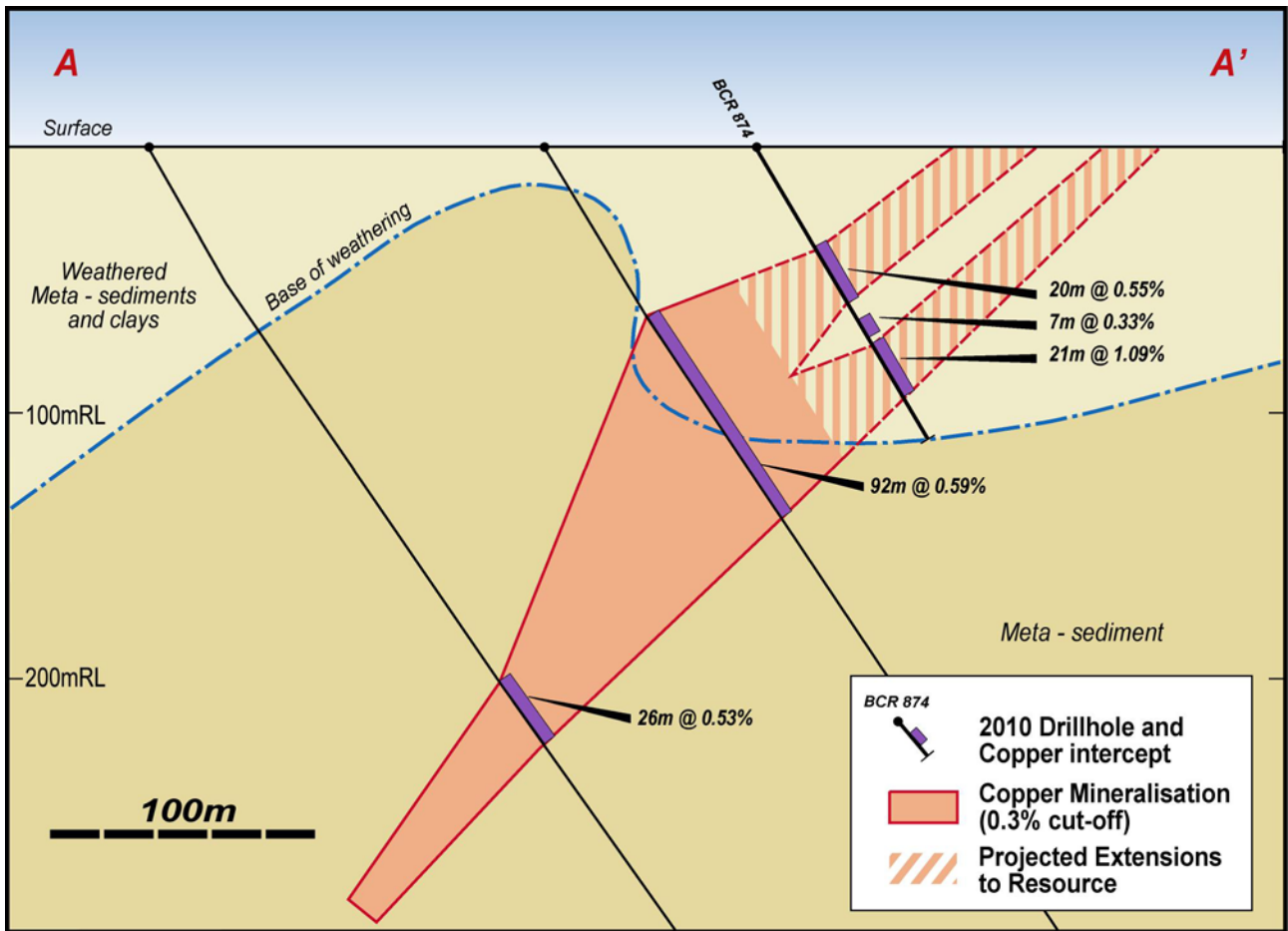


Figure 9: Cross Section AA' - Legend deposit

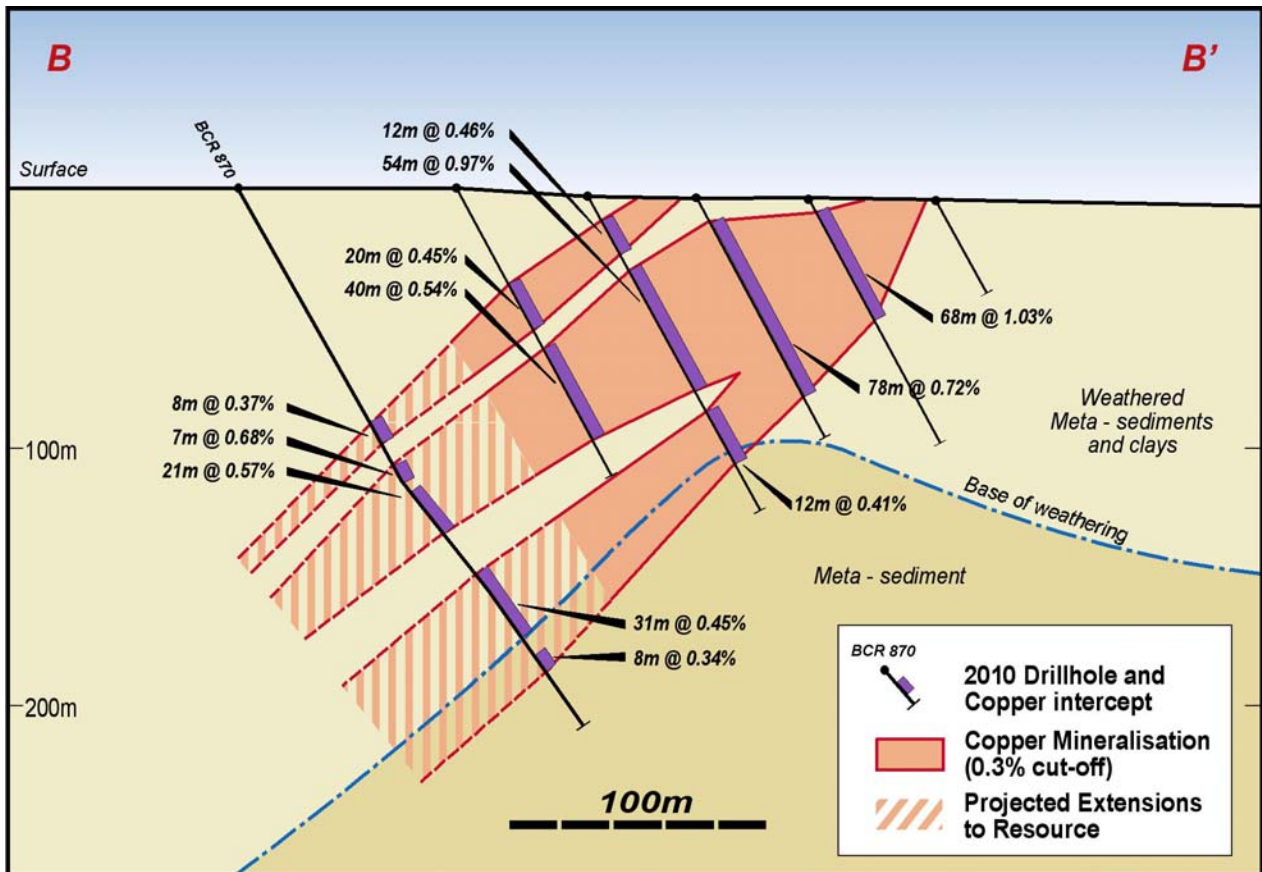


Figure 10: Cross Section BB' - Legend deposit