Aurora Minerals Ltd
ABN 46 106 304 787

ASX RELEASE

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Aurora Minerals Limited
PO Box 3107
Perth WA 6832

Large Multi Commodity Project-Portfolio

Prospective for base metals, uranium, gold, nickel and iron ore

50% of Desert Energy Ltd (ASX Listed)

Website

www.auroraminerals.com

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Exploration Update

Capricorn Base Metals-Uranium Project

- Positive assay results received from first field sampling program
- Large VTEM survey nearing completion
- Second field program underway

Aurora Minerals Limited is pleased to announce results of the first sampling program, conducted in August-September 2007, at its Capricorn Project along the northwestern margin of the Bangemall Basin, central Western Australia.

Rock-chip samples from several prospects at various intervals along the 160km Talga Fault Zone were found to be significantly anomalous in base metals and uranium. Individual metal values from different samples ranged up to 5140ppm zinc, 976ppm lead, 998ppm copper, 16ppm silver, 298ppm uranium, 2150ppm cobalt and 8.9% barium (see maps and table attached).

This sampling program, and the October program which is currently underway, are exploring several target areas along the fault, selected from the Company's seamless GIS historic geological database. Rock types encountered include siltstone-shales, thinly laminated dolomites, sandstones and cherts, which are variably iron stained, altered and brecciated.

Barite and iron oxide (after pyrite) nodules were located in a dolomitic unit parallel to the Talga Fault at its southeastern end.

Barium, lead, zinc and copper anomalies also occur in iron stained and brecciated members of this unit where sampled, 115km to the northwest on the fault (refer map).

Barite is a common accompanying mineral in Sedex zinc-lead deposits, and the Company therefore considers its presence in the Talga Fault zone is encouraging.

The Company is exploring for Mt Isa style lead-zinc-silver and copper-cobalt massive sulphides, and unconformity and structurally controlled uranium deposits.

The attached map shows historic drilling on a shale unit several kilometres northeast of the Talga Fault zone (the Dome prospect) where it intersected up to 18m at 0.25% zinc. The Dome prospect resides on part of the shallow dipping Pingandy Shelf sedimentary rock sequence. Of particular interest to the Company is what happens to these mineralised shales and accompanying sedimentary units to the south, where they are caught up in the Talga Fault zone.

The Company's exploration focus is towards finding potentially more massive and higher grade zinc-lead mineralisation in the Talga Fault zone.

Of note are the higher zinc and uranium values from thick bleached and iron stained shales and siltstones at Polygon, north of and gently dipping towards the Talga Fault (see location on map). Further elevated metal values were also obtained in sampling at Sally Tabletop along the fault to the southeast.

The significance of the initial results, indicating metal accumulation in various lithologies within the Talga Fault zone, combined with the presence of brecciated horizons, iron staining and veining, is enhancement of the exploration potential of this previously largely unexplored structure.

The second program of prospecting and sampling, based on the historic data, is currently underway. Results are expected prior to the summer seasonal break.

VTEM Geophysical Survey

The large scale VTEM survey commenced in late September 2007 over the 160km of the Talga Fault zone in a corridor 5km wide (see the attached map). The survey is being conducted for Aurora by Geotech Airborne and is now over 80% complete.

The VTEM aims to identify more specific targets than the historic data. Inspection of the first part of the preliminary VTEM data indicates it is generally of high quality. Electrical conductive rock units can be seen in this first part of the data, which may signal the presence of carbonaceous shales or possibly base metal sulphides.

The VTEM results and selected targets are expected to be released progressively as our specialist geophysical consultants systematically analyse the large amount of data.

Tenement Application Status – Native Title

The Capricorn project consists of 16 exploration licences and 34 exploration licence applications. The Company must successfully negotiate Heritage Agreements with the Native Title Claimants prior to the grant of further licences and any drilling programs will be subject to the completion of Heritage Clearance Surveys with the Claimants.

Significant Results – August-September 2007 Surface Sampling Program

Sample ID	Easting	Northing	Cu ppm	Pb ppm	Zn ppm	Ba ppm	Mn ppm	U ppm	Co ppm
24	430184	7414361	712	4	696	65,400	256,000	1	2,150
42	434478	7412365	706	16	594	12,600	131,000	3	1,760
55	450650	7410150	48	2	1,390	115	220	0	15
61	447737	7411813	156	11	568	158	158	16	5
63	447732	7412095	102	10	164	74	32	19	
64	448050	7412292	778	15	1,560	61	104	49	10
65	448050	7412292	218	8	1,130	57	144	70	15
66	448050	7412292	168	16	126	107	80	22	
67	447756	7411829	132	18	624	149	226	29	10
68	446709	7413236	998	13	4,840	99	118,000	13	1,670
69	446709	7413276	74	4	1,600	28	1,010	1	10
70	446358	7412267	168	13	176	26	340	43	15
71	447383	7412335	44	7	924	51	834	17	30
72	447750	7412372	34	3	5,140	29	4,130	16	70
73	447800	7412380	46	4	1,530	63	3,100	2	25
87	460562	7396252	46	24	120	26	240	3	10
91	459804	7396775	414	967	252	321	590	17	20
109	510315	7370555	24	14	86	4,690	45,100	2	50
110	509950	7370335	40	22	240	2,640	82,900	5	165
121	507328	7372280	628	156	834	1,520	324	8	55
125	532321	7359853	20	19	36	89,600	28	1	10
126	532321	7359853	36	16	72	6,250	58	2	10
127	532321	7359853	102	119	516	1,610	664	2	110
129	506865	7372558	10	9	4	18,400	34	3	5
131	506587	7372136	816	82	76	299	480	3	45
136	443381	7407867	114	25	384	4,560	9,510	4	210
140	451277	7411092	40	12	92	132	216	298	

140 Rock Chip Samples taken - Datum GDA 94 Zone 50

Background

The Bangemall Basin is a relatively undeformed rift-related sedimentary basin of middle Proterozoic age overlying the collision zone between the Pilbara Craton to the north and the Gascoyne Metamorphic Complex and Yilgarn Carton to the south. The major structural feature of the northwestern part of the basin is the 160km long Talga Fault, first identified and mapped by the Geological Survey of Western Australia (GSWA) in 2000-2004. The GSWA recognised the Talga Fault as a major basin-margin growth fault with connections to an earlier fundamental basement structure and which was intermittently active during sedimentation and subsequent deformation of the Bangemall Basin.

Aurora's Capricorn Project covers almost the entire strike length of the Talga Fault. Aurora interprets that the northwestern Bangemall Basin including the Talga Fault zone has some similarities with the geological setting of the "Sedex" lead-zinc deposits such as those at Mt Isa, Lady Loretta, Century and McArthur River in similar aged sequences of western Queensland and the Northern Territory.

Yours faithfully

Robert Taylor
Managing Director

Garry O'Hara
Executive Director

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Robert S Taylor, a Member of The Institute of Materials, Minerals and Mining and Mr. Garry P O'Hara, a corporate member of the Australasian Institute of Mining and Metallurgy.

Robert Taylor and Garry O'Hara are both executive directors of Aurora Minerals Limited and consult to the Company through their respective consulting companies Able Kids Pty Ltd and Anketell Pty Ltd.

Robert Taylor and Garry O'Hara 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'. Robert Taylor and Garry O'Hara consent to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Company's website, is recommended reading for interested market watchers, brokers and investors. The website contains information on the Company's projects project maps, a list of the Company's announcements to ASX, information on Native Title (including the tenement grant process and heritage surveys) including in the Desert Energy Prospectus, the legislative environments under which the Company operates, Corporate Governance, a section on risks, many of which are common to exploration companies, and other useful information. A list of the Company's announcements is also obtainable from the Australian Stock Exchange website at www.asx.com.au

If you would like copies of announcements emailed to you can contact Ken Banks.