

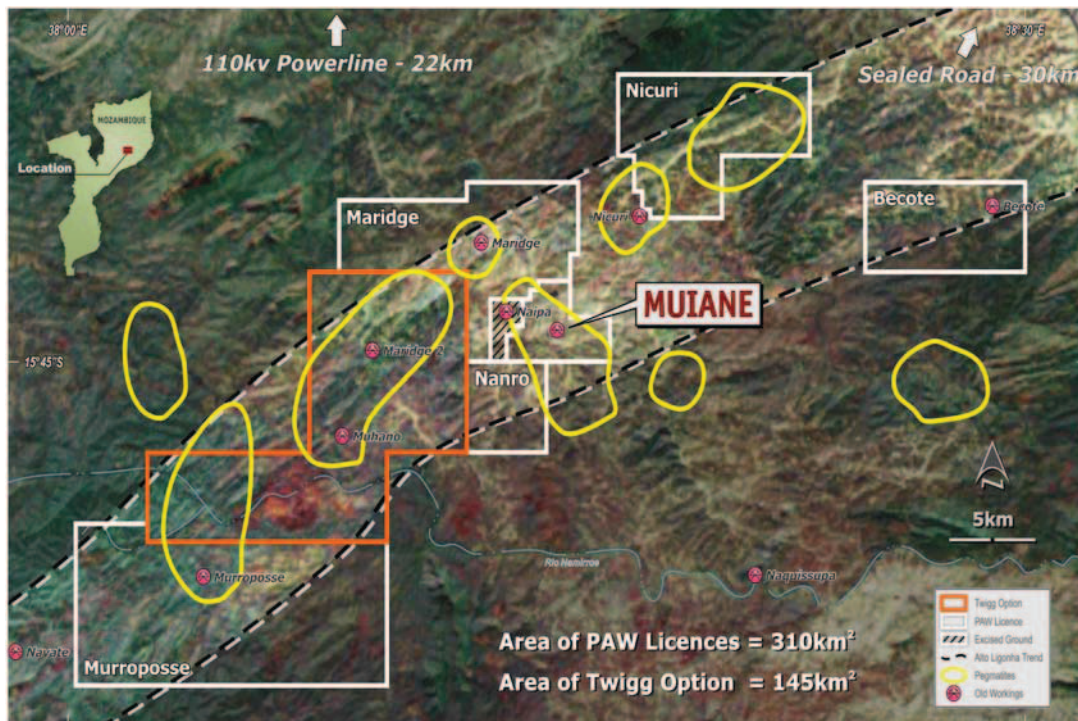


24<sup>th</sup> September 2009

## NEWS RELEASE

# COMPANY ACTIVELY EXAMINING LITHIUM POTENTIAL ON MOZAMBIQUE TANTALUM LICENCES

Vancouver, British Columbia - Pacific Wildcat Resources Corp. (TSX - PAW) (“PAW” or the “Company”) is pleased to announce that in addition to its primary objective of adding to the existing tantalum resource base, it is actively examining the lithium potential on its licences in Mozambique. With licences totalling over 450 square kilometres, PAW is the largest single private licence holder on the Alto Ligonha pegmatite belt in northern Mozambique, a belt which contains a number of historic tantalum and lithium mine workings including the Muiane mine.



**Figure 1 – PAW Licences – Alto Ligonha pegmatite belt, northern Mozambique**

## BACKGROUND ON LITHIUM

Lithium is predominately found in hard rock mineral deposits as well as in brines from salt lakes. Hard rock lithium minerals include spodumene, petalite and lepidolite with most economically significant concentrations of these minerals found in pegmatites. Lithium-rich pegmatites can be found in association with, and / or adjacent to, tantalum-rich pegmatites.

Lithium is used in a diverse array of products such as high value batteries, ceramic glass and lubricants.

The lithium market has undergone substantial growth over the last 5 years and this has resulted in a substantial increase in the Lithium price. This growth has predominately been driven by increased demand for lithium batteries, particularly for use in environmentally friendly, electric passenger vehicles.

## **HISTORIC TANTALUM AND LITHIUM DATA ON THE MOZAMBIQUE LICENCES**

Historic data contained within a National Instrument 43-101 technical report titled “Technical Report on the Mineral Assets of Tantalum Mineração and Prospecção Limitada”, dated 25<sup>th</sup> May 2009 (the “43-101 Report”), indicates that the Company’s Mozambique licences have the potential for both tantalum and lithium mineralization. The 43-101 Report makes reference to a joint Russian and Mozambican exploration project carried out at Muiane between 1979 and 1982. As part of this project a series of exploration programmes were carried out followed by some mining. These included:

- 1) The sinking of 24 exploratory shafts,
- 2) Drilling of 24 diamond drill holes for a total of 1,800 metres, and
- 3) Digging of 27 trenches for 1,460 metres.

This programme was reported to document grades for the following  $Ta_2O_5$ ,  $Nb_2O_5$ ,  $Li_2O$ ,  $BeO$ ,  $Bi_2O$ ,  $Cs_2O$ ,  $Na_2O$  and  $K_2O$ .

PAW has recently received a large amount of data from these program’s (Cross sections, drill logs, assays). The quality of this data is variable and PAW is currently compiling/translating the information with a view to gaining a better understanding of the data and potential mineralization. What can be reported is that the depth of some of the holes drilled were in excess of 120 metres. Some of these holes have shown extension of the pegmatites to depths below the limit of the RC drilling the subject of the current 43-101 Report.

The 43-101 Report also makes reference to historic trenching completed between 1994 and 1996 by African Mining and Trust (“AMT”) as part of an exploration program which, in addition to trenching, included mapping, diamond drilling, bulk sampling, geophysical surveys and radiometric analysis. Analyses of samples taken from these trenches were conducted by Mintek of South Africa with assays taken for the following minerals:  $Ta_2O_5$ ,  $Nb_2O_5$ ,  $Li_2O$ ,  $ThO_2$ , and  $U_3O_8$ . The known tantalum and lithium assay results from the trench sampling are presented below in Table 1.

Location		Ta <sub>2</sub> O <sub>5</sub> (ppm)	Li <sub>2</sub> O (%)
Trench 1	Upper – Coarse	136	2.17
	Fines	455	0.14
	Lower – Coarse	133	0.60
	Fines	70	0.14
Trench 2	Coarse (>12mm)	368	2.66
	Coarse (6mm-12mm)	165	2.44
	Fines	492	0.90
Trench 3	Coarse (>12mm)	107	1.85
	Coarse (6mm-12mm)	138	2.08
	Fines	332	0.58
Trench 4	Coarse (>12mm)	212	1.95
	Coarse (6mm-12mm)	185	2.57
	Fines	332	0.58

**Table 1 - Muiane Project - Summary of AMT Trench Assay Results (Ta<sub>2</sub>O<sub>5</sub> & Li<sub>2</sub>O)**

These assay results confirm elevated levels of Li<sub>2</sub>O in samples taken from the trenches. The 43-101 Report makes reference to the Muiane pegmatite exhibiting a wide variety of minerals, including the presence of lithium minerals (petalite, spodumene (altered) and lepidolite). The 43-101 Report also makes reference to the Litica Zone, a lithium-rich zone which was the main focus of previous mining operations.

As reported in the 43-101 Report, ITM Mining Limited (“ITM”) carried out an extensive mineral processing and geological sampling program at Muiane from May to June, 1999. A total of 24 RC drill holes were drilled to depths of between 26m and 70m for a total of 973m of which 909 m was assayed. In addition, five bulk samples of approximately 19 tonnes each were manually excavated from the west block at Muiane. Although ITM did assay for Ta<sub>2</sub>O<sub>5</sub> and Li<sub>2</sub>O, there is limited information on the quality control and assaying techniques used. What can be reported is that lithium mineralisation was encountered in over 80% of the total RC samples assayed and that in both the Litica Zone and quartz / spodumene zones, significant amounts of lithium mineralisation were intersected. Lithium mineralisation was also reported in conjunction with Tantalum mineralisation in all five bulk samples. These historic results need to be validated using a combination of trenching and drilling which adhere to the appropriate quality assurance and quality control procedures.

The following photograph (Photograph 1) shows radial lepidolite (lithium mineral) crystals surrounded by quartz at Muiane.



**Photograph 1** – Lepidolite crystals at Muiane

The following photograph (Photograph 2) shows the spodumene (lithium mineral) zone at Muiane.



**Photograph 2** – Spodumene at Muiane as viewed from an underground adit

In addition to the historic data which indicates lithium potential on the Company's licences, there is a history of lithium mining on the Alto Ligonha pegmatite belt. This was documented in a publication titled "The Geology and Mineral Resources of Mozambique", National Directorate of Geology Mozambique (Lachelt 2004). This publication states "At some Alto Ligonha pegmatites, lithium (lepidolite) and caesium (mostly pollucite) were mined as by products (in addition to gemstones and industrial minerals) as well as "The most important Li-mineral deposits are those of Morrua, **Muiane**, Moneiea and Munhamola....."

### **PAW TEAM HAVE EXTENSIVE LITHIUM AND TANTALUM EXPERIENCE**

The PAW team has extensive experience in the mining, processing and marketing of lithium and tantalum. From 2001 to 2004, PAW director Mr David Paull was responsible for selling of over half the world's tantalum and two thirds of the world's hard rock lithium production in his role as Executive General Manager of Marketing and Business Development for Sons of Gwalia in Western Australia.

Mr David Bale, a geologist and metallurgist by background, consults to PAW. Mr Bale has over 30 years experience in the tantalum and lithium mining industry including a period as Managing Director of Lithium Australia Limited. From 1996 to 2007, Mr Bale was Executive General Manager of the Minerals Division for Sons of Gwalia. During this period he was responsible for managing the production of over half the world's tantalum and two thirds of the world's hard rock lithium.

Mr Darren Townsend, PAW's President/CEO, is a mining engineer with over 15 year's mining industry experience. Mr Townsend was previously General Manager at the Wodgina tantalum mine in Western Australia where over a period of five years he was instrumental in overseeing the expansion of the operation into what was then the world's largest Tantalum operation.

### **SHORT TERM COMPANY STRATEGY**

The Company's strategy is to aggressively explore delineated tantalum targets on licences with the objective of adding to the existing tantalum resource base and gaining a better understanding of the lithium potential of the properties. The Company has recently engaged a drilling company to undertake a 1,500 m RC drilling program targeting high grade tantalum (Spirit Valley and Maridge) and Lithium targets in and around Muiane. Drilling is expected to commence prior to the end of October.

### **SUMMARY**

The Chairman Mr Terry Lyons said today "Broadening our scope to explore for lithium in conjunction with tantalum in the pegmatites on our licences is a logical step for PAW. We look forward to getting the results from the upcoming drilling program and continuing to implement the first steps of our business plan."

### **QUALIFIED PERSON AND DISCLAIMER**

Qualified Person: Michael John Sperinck, BSc – Geology and Chemistry, MAusIMM, an independent consultant with Global Mining Services and qualified person under the NI 43-101, has reviewed the technical contents relating to the Muiane mine for this news release.

Disclaimer: The Company wishes to clarify that certain information in this news release is based on historic data and references. A qualified person has not done sufficient work to validate all of the historical data and some of this data has had little or no quality assurance / quality control. As a result, this historic data should not be relied upon. Further, there has been insufficient exploration work completed to define a lithium resource and it is uncertain if further exploration will result in the discovery of a lithium resource.

### **ON BEHALF OF THE BOARD OF DIRECTORS OF PACIFIC WILDCAT RESOURCES CORP.**

"Darren Townsend", President

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