

GREAT BEAR RESOURCES LTD.

Suite 303 – 750 West Pender St
Vancouver, BC, V6C 2T7

Tel: 604-681-0037

Fax: 604-681-0094

info@greatbearresources.ca

www.greatbearresources.ca

CNSX SYMBOL: GBR

September 9, 2010

Multiple High Grade Zones Drilled in Main Zone, and Strike Length of VMS System Tripled at BA

Great Bear Resources Ltd. (“Great Bear”) (CNSX:GBR) is pleased to announce further exploration results from the BA project in the Eskay Creek mining district near Stewart, northern British Columbia. Drilling across the Main zone has discovered multiple zones of high grade silver-lead-zinc mineralization.

Ongoing drilling has completed a total of sixty nine drill holes at BA. Results from sixteen of these holes drilled in and around the Main zone are included in this release. **Eleven of sixteen holes successfully intersected silver mineralization with an average drill intersected width of 6.9 metres and a weighted average grade of 104 g/t silver. Seven of these holes intersected higher grade mineralization with an average drill indicated width of 5.2 metres and weighted average grade of 153 g/t silver.** Highlights are summarized in the table below.

BA Drill Hole	Total Length (m)	Interval From (m)	Interval To (m)	Interval Length (m)	Silver g/t	Lead %	Zinc %
BA-2010-77	172.21	0.40	47.24	46.84	18.2	0.18	0.75
	<i>including</i>	41.50	47.24	5.74	61.6	0.48	1.58
BA-2010-78	203.00	0.25	59.74	59.49	26.7	0.18	1.17
	<i>including</i>	0.25	7.92	7.67	35.3	0.24	1.54
	<i>including</i>	10.97	17.07	6.10	119.0	0.74	6.28
	<i>including</i>	41.45	47.55	6.10	55.26	0.32	1.27
BA-2010-80	163.07	7.62	53.34	45.72	25.15	0.18	0.50
	<i>including</i>	16.06	24.90	8.84	62.8	0.32	0.79
	<i>including</i>	38.10	41.15	3.05	85.0	0.95	1.26
BA-2010-81	176.90	5.42	92.37	86.95	28.2	0.12	0.42
	<i>including</i>	44.81	50.90	6.09	173.7	0.30	1.08
	<i>including</i>	65.97	69.34	3.37	132.0	0.06	0.06
BA-2010-82	219.15	8.84	170.39	161.55	22.1	0.25	0.38
	<i>including</i>	17.98	21.03	3.05	34.0	0.49	1.99
	<i>including</i>	45.42	71.30	25.88	80.3	0.70	0.47
	<i>above</i>	54.90	60.66	5.76	229.3	2.19	0.81
	<i>includes</i>						
	<i>including</i>	121.62	130.76	9.14	47.5	0.81	1.39

THE CNSX HAS NOT REVIEWED AND DOES NOT ACCEPT RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THIS NEWS RELEASE

BA Drill Hole	Total Length (m)	Interval From (m)	Interval To (m)	Interval Length (m)	Silver g/t	Lead %	Zinc %
BA-2010-83	151.49	8.23	127.10	118.87	26.1	0.21	0.58
	<i>including above includes</i>	76.90	94.20	17.30	87.9	0.62	1.74
		84.43	87.48	8.43	165.0	0.40	3.17
BA-2010-84	163.68	14.33	142.34	128.01	18.1	0.17	0.62
	<i>including</i>	61.25	64.89	3.68	52.0	0.45	2.66
	<i>including</i>	72.24	75.29	3.05	69.0	0.42	3.65
	<i>including</i>	78.33	93.57	15.24	34.0	0.18	1.00
	<i>including</i>	127.10	130.15	3.05	56.0	1.67	2.35
BA-2010-85	221.59	8.23	102.72	94.49	26.6	0.20	0.44
	<i>including</i>	70.60	75.29	4.69	32.9	1.19	0.41
	<i>including above includes</i>	88.60	99.60	9.00	87.0	0.06	1.08
		90.53	93.57	3.04	129.0	0.08	1.34
BA-2010-86	197.25	17.37	20.42	3.05	19.0	0.11	0.23
BA-2010-87	147.00	28.59	31.50	2.91	26.0	0.16	1.39
BA-2010-88	151.49	5.18	8.23	3.05	40.0	0.16	0.27
BA-2010-89	166.77	41.52	44.36	3.44	26.0	0.28	1.07
BA-2010-90	172.82	47.85	108.81	60.96	35.8	0.23	0.58
	<i>including above includes</i>	53.95	87.48	33.53	55.6	0.33	0.79
		72.24	78.33	6.09	129.0	0.04	0.97
BA-2010-91	212.45	53.20	117.96	64.76	28.3	0.22	0.71
	<i>including</i>	58.50	65.70	7.20	59.37	0.41	1.80
BA-2010-92	236.83	66.28	124.05	57.77	30.7	0.20	0.64
	<i>including above includes</i>	78.33	102.72	24.39	56.6	0.32	1.20
		96.62	102.72	6.10	73.0	0.17	1.60
BA-2010-96	166.73	10.97	14.02	3.05	13.0	0.11	0.17

Eight of the sixteen drill holes reported above contain more than one higher grade interval within a broad VMS mineralized system. Complete drill results and a drill hole location map will be posted to the Company's web site. The drill holes reported above test the northern 200 metres of the 600 metre historically drilled strike length of the Main zone.

Twenty nine drill holes have been completed to date across the North Extension. Results of this drilling will be released upon receipt of complete assays.

The Bod Zone – VMS Mineralization Extended

A new zone of silver-copper-zinc mineralization (the "Bod" zone) has been discovered in the North Extension, 1.3 kilometres north of the Main zone. Highlights of trench results are provided in the table below.

Bod Trench	Trench Length (m)	Silver g/t	Copper %	Lead %	Zinc %
61255	1.5	19	0.02	0.01	0.27
61258	4.4	19	0.07	0.06	0.11
61260	5.0	21	-	0.16	0.88
61263	2.8	43	0.08	0.02	0.51
61264	2.5	56	0.19	0.02	0.62
61265	1.3	105	0.80	0.04	0.55
61266	1.3	43	0.39	0.02	0.25
61267	3.1	54	0.29	0.03	0.18

The new discovery of this silver-copper-zinc mineralization zone extends the strike length of known VMS mineralization at BA from 600 metres to in excess of 2 kilometres. The main mineralized corridor, occurs along a southwest to northeast trend. Continuity and width of this corridor are currently being drill tested.

The BA Project

As previously announced, Great Bear has entered into an Option and Joint Venture Agreement with Mountain Boy Minerals Ltd. (TSXV- MTB) to earn a 50% interest in the BA project by spending \$5.5 M over four years, and can earn an additional 20% interest, for a total of 70%, by completing a Bankable Feasibility Study on or before December 31, 2015. Great Bear has also entered into an Option Agreement with Pinnacle Mines Ltd. (“Pinnacle”)(TSXV: PCL) for the 100% acquisition of Pinnacle’s Surprise Creek claims located immediately north of the BA project. In order to acquire the claims, the Company must pay \$150,000 and issue 700,000 common shares by May 25th, 2012.

The BA Project hosts a silver rich volcanogenic massive sulphide (VMS) system that has been drill confirmed for 600 meters of mineralized strike and down dip for 300 meters. The discovery is open for expansion in all directions. 62 of 90 historic drill holes into the Main zone at BA have returned in excess of 2 oz silver over drill indicated widths of 3 to 134 metres with significant associated lead – zinc mineralization.

Mr. Chris Taylor, M.Sc. P.Geo, is the Qualified Person as defined by National Instrument 43-101 responsible for the accuracy of this news release.

For further information please contact Mr. Archie Nesbitt, President or Mr. Chris Taylor, P.Geo., Vice President Exploration at 604-681-0037.

ON BEHALF OF THE BOARD

“Archie Nesbitt”

Archie Nesbitt, President and CEO

Investor Relations

Robert Orr

Tel: 604-697-6259

ro@greatbearresources.ca

Wani Capital Corp.

Raju Wani

Tel: 403-240-0555