EASTMAIN

NEWS RELEASE

TSX Symbol: ER
Sept 24, 2009

New gold target – 254 g/t Au, 640 g/t Ag & >500 g/t Te
High-Grade Eau Claire Drill Assays

Eastmain Resources Inc. (TSX:ER) is pleased to announce the discovery of a new gold target at its wholly-owned Clearwater project, located in James Bay, Northern Québec. Surface prospecting along favourable deposit stratigraphy this summer led to the discovery of the Boomerang Prospect, where a composite grab sample of vein material, located one-half kilometre east of the Eau Claire gold deposit, assayed **254 g/t Au (7.42 ounces gold per ton), 640 g/t Ag (18.7 ounces silver per ton)** and **>500 g/t tellurium** (Map 1, website).

Other anomalous samples within the Boomerang Prospect area include **30.6 g/t Au (0.89 ounces gold per ton)** and **9.04 g/t Au** in key volcanic/sedimentary rocks, located up to eight kilometres east of the deposit. The Boomerang prospect contains a highly enriched gold-tellurium metal signature similar to Eau Claire, which suggests it was derived from the same hydrothermal gold-bearing system. Boomerang will be drill-tested in future programs.

The current drill program is focused on defining a measured, near-surface resource for potential extraction by open pit methods. A total of 7,400 metres of drilling, to test the Main Group of Veins within the central portion of the deposit and the T-Vein series, found north of the previously defined gold resource, has been completed to date. Drilling will continue throughout the quarter.

Significant assay data highlights from the first 8 of 19 drill holes of the current program at Eau Claire (Clearwater project) comprise: **24.81 g/t Au (0.72 ounces per ton)** over 2.0 metres, including **69.8 g/t Au (2.04 ounces per ton)** over 0.5 metres in hole ER09-198; **10.64 g/t Au (0.31 ounces per ton)** over 3.0 metres, including **34.1 g/t Au (1 ounce per ton)** over 0.5 metres in hole ER09-203; and **19.75 g/t Au (0.58 ounces per ton)** over 2.5 metres in hole ER09-204, including **37.8 g/t Au (1.10 ounces per ton)** over 0.5 metres. Fine-grained visible gold, common to the deposit, has been observed in seven of eight drill holes reported herein. Assay data is pending for the remaining 11 drill holes.

Over the past 22 months, a total of 28,600 metres (153 HQ drill holes) has been completed to expand the Eau Claire gold resource within the upper 300 metres. In 142 drill holes, **400 gold-bearing** quartz-tourmaline vein intervals with an **average grade of 13.1 g/t Au (0.38 ounces per ton),** at an average thickness of 1.35 metres, have been intersected within the upper one-third of the deposit (Table 1). 350 vein intervals contain an average grade of **14.9 g/t Au (0.43 ounces per ton)**; 250 vein intervals averaged **19.6 g/t Au (0.57 ounces per ton)**; 150 vein intervals contain an average of **27.6 g/t Au (0.80 ounces per ton)**; **100 vein intervals** contain **39.4 g/t Au (1.15 ounces per ton)** and 50 intersections have an average of **63 g/t Au (1.84 ounces per ton)**.

Near-term exploration objectives include continued definition drilling of the high-grade Eau Claire gold deposit, completion of the metallurgical testing program and updating the resource calculation.

This news release was prepared by Dr. Donald Robinson, P. Geo., the qualified person supervising the project in accordance with NI 43-101.

About Eastmain Resources Inc. (TSX:ER)

Eastmain is a Canadian gold exploration company with 100% interest in the Eau Claire and Eastmain gold deposits. The Corporation has $17.1 Million in working capital, no debt and holds an interest in 12 projects within the James Bay District, including the Éléonore South property, where a gold discovery has been found in a similar geologic setting to Goldcorp's Roberto deposit. Eastmain has an annual budget of $4 million for gold exploration in Québec.

For further information please contact Eastmain Resources Inc.: Dr. Donald J. Robinson, President or Catherine Butella, Exploration Manager at (519) 940-4870, fax: (519) 940-4871, e-mail: info@eastmain.com or visit our website at www.eastmain.com.

Table 1. Clearwater Project - Assay Data

			2009 Eau Claire Assay Results				
Hole ID	**From**	**To**	**Length (m)**	**Au g/t**	**Au oz/ton**	**Vein ID**	**Notes**
ER-09-197	206.8	208.3	1.50	**10.70**	**0.31**	I	**VG 10**
incl.	207.3	207.8	0.50	**32.00**	**0.93**		
	254.0	255.5	1.50	7.39	0.22	S	
ER-09-198	220.7	222.7	2.00	**24.81**	**0.72**	I	**VG 10+, TE 5+**
incl.	221.7	222.2	0.50	**69.80**	**2.04**		
	259.4	260.9	1.50	4.50	0.13	JQ	
ER-09-199	178.7	179.3	0.60	4.51	0.13	D	**VG**
	215.9	216.5	0.60	4.81	0.14	H	
	285.4	286.4	1.00	5.60	0.16	S	
ER09-200	196.5	197.0	0.50	4.21	0.12	D	**VG 10+**
	238.0	239.0	1.00	**10.83**	**0.32**	I	
ER09-201	228.8	229.3	0.50	**18.00**	**0.53**	G	
	238.5	239.5	1.00	4.64	0.14	H	
	308.3	309.8	1.50	**9.33**	0.27	JQ	
incl.	308.8	309.3	0.50	**14.20**	**0.41**		
	309.3	309.8	0.50	**10.45**	**0.31**		
ER09-202	310.3	310.8	0.50	4.75	0.14	JQ	**VG 20+**
	321.5	322.5	1.00	5.07	0.15	R	
ER09-203	209.1	210.1	1.00	**11.39**	**0.33**	H	
incl.	209.1	209.6	0.50	**19.20**	**0.56**		**VG 10+, TE 10+**
	224.6	226.1	1.50	5.55	0.16	I	
	267.0	270.0	3.00	**10.64**	**0.31**	JQ	
incl.	267.0	267.5	0.50	**21.60**	**0.63**		
incl.	267.5	268.0	0.50	**34.10**	**1.00**		
ER09-204	245.1	246.1	1.00	**19.96**	**0.58**	H	**VG 20+**
incl.	245.1	245.6	0.50	**39.90**	**1.17**		
	261.2	262.3	1.10	5.46	0.16	I	**VG 4**
	302.7	305.3	2.60	6.03	0.18	JQ	
incl.	303.7	304.2	0.50	**12.90**	**0.38**		

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incl.	304.2	304.7	0.50	**15.30**	**0.45**		
	321.5	324.0	2.50	**19.75**	**0.58**	T	
incl.	322.0	322.5	0.50	**37.80**	**1.10**		**VG 6**
incl.	323.0	323.5	0.50	**27.60**	**0.81**		
incl.	323.5	324.0	0.50	**21.10**	**0.62**		

Eau Claire Gold Deposit 2007-2009 Average composite gold grades

Cut off grade		**Number of**	**Length**	**Average Grade**			
Au g/t		**Intercepts**	**m**	**Au g/t**	**Au oz/ton**		
0.0		400	1.35	**13.1**	**0.38**		
2.4		350	1.32	**14.9**	**0.43**		
3.3		300	1.32	**16.9**	**0.49**		
4.5		250	1.32	**19.6**	**0.57**		
5.8		200	1.32	**23.0**	**0.67**		
7.7		150	1.38	**27.6**	**0.80**		
11.9		100	1.24	**39.4**	**1.15**		
19.7		50	1.24	**63.0**	**1.84**		
31.2		25	1.16	**106.3**	**3.11**		
46.0		10	1.16	**210.4**	**6.14**		

Chemical analysis was completed by ALS CHEMEX Laboratories using a 50-gram split and gravimetric techniques. The visible gold samples were mechanically screened and assayed for metallics. Internal standards provided by an independent company and blank samples were inserted for quality control purposes. Assay samples are taken from HQ core, sawed in half with one half sent to a commercial laboratory and the other half retained for future reference.

Note: Sample length approximates true thickness. VQTL VG = Quartz-tourmaline vein with visible gold. VG5+ = five grains of visible gold were identified in the sample. TE = visible grains of tellurides.

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