



ELEMENTAL MINERALS LIMITED

THE COMPANY'S SINTOUKOLA POTASH PROJECT RETURNS FIRST ASSAY RESULTS FOR THE CARNALLITE SECTION OF THE KOLA TARGET IN THE REPUBLIC OF CONGO

- Elemental Minerals has received the first assay results for the carnallite zone in drill hole EK_01 at its Sintoukola Potash project.
- Significant carnallite intersections include:
 - 4.27m at 8.75% K₂O (13.86% KCl) from 332.0m, including 1.25m at 12.11% K₂O (19.18 % KCl) from 332.62m;
 - 56.00m at 5.95% K₂O (9.42% KCl) from 364.88m;
 - 13.42m at 7.49% K₂O (12.11% KCl) from 424.21m; and
 - 23.53m at 9.53% K₂O (15.10% KCl) from 454.95m.

Elemental Minerals Limited, ASX:ELM ("Elemental"), is pleased to announce the assay results from the carnallite zone in drill hole EK_01 at its Sintoukola potash project (Figure 1, Table 1 and 2). EK_01 is one of five drill holes drilled to test the carnallite target and these results are the first carnallite assays that have been received to date.

The 16 hole diamond drill programme, which commenced in July 2010 is now complete (Figure 2). The primary target for the drilling program were several sylvinitic horizons that occur between depths of 240m to 300m below surface, near the top of a thick (>350m) evaporite sequence, overlying three to four carnallite horizons at depth.

Of the five drill holes four (EK_01, EK_06, EK_13 and EK_16) were drilled into and to the base of the evaporite sequence to intersect the entire sequence, comprising the upper sylvinitic and the lower carnallite horizons; the purpose being to test the grades and extent of carnallite mineralization. The fifth drill hole EK-04, did not reach the base of the evaporitic sequence, due to drill rods becoming stuck in-hole at 442m. The spatial extent of the carnallite development based on the current four intersections is extensive. The assay results for the balance of the carnallite intersections are expected shortly.

Two of the drill holes; namely EK_01 and EK_04 were designed to twin historical holes K_18 and K_6 respectively. The latter were drilled in the 1960s and 1970s by Syndicate de Recherché de Potasse.

Although no historical assays are available for the carnallite mineralization intersected in K_18, the geological and mineralogical records refer to several zones of carnallite mineralisation. The new results and geological log for EK_01 correlate well with those of K_18, as illustrated in Figure 3 and indicate good potential for widespread carnallite mineralisation.

Iain Macpherson, Elemental's MD, commented that these carnallite results and the potash development drilled in the other three exploration holes (EK_06, EK_13 and EK_16) certainly indicate the potential for a large carnallite target to be present on the prospect.



Figure 1 Location of Sintoukola Potash License and historic drill hole locations

Phase 1 Exploration program

The phase 1 drilling program has achieved the company's main objective of testing the Kola target successfully and establishing the presence of extensive potash mineralization both on the high grade sylvinite target and the thick package of carnallite.

Samples from all 16 exploration holes have been dispatched to the laboratory in Perth and all assay results for the sylvinite horizon are expected by the end of the first week in March 2011. The assay results will be incorporated into the project's maiden resource model which is expected to be completed by the end of the first quarter of 2011.

The completion of this drill phase maintains Elemental's objective to advance the project through the definitive feasibility stage and to production in 2015.

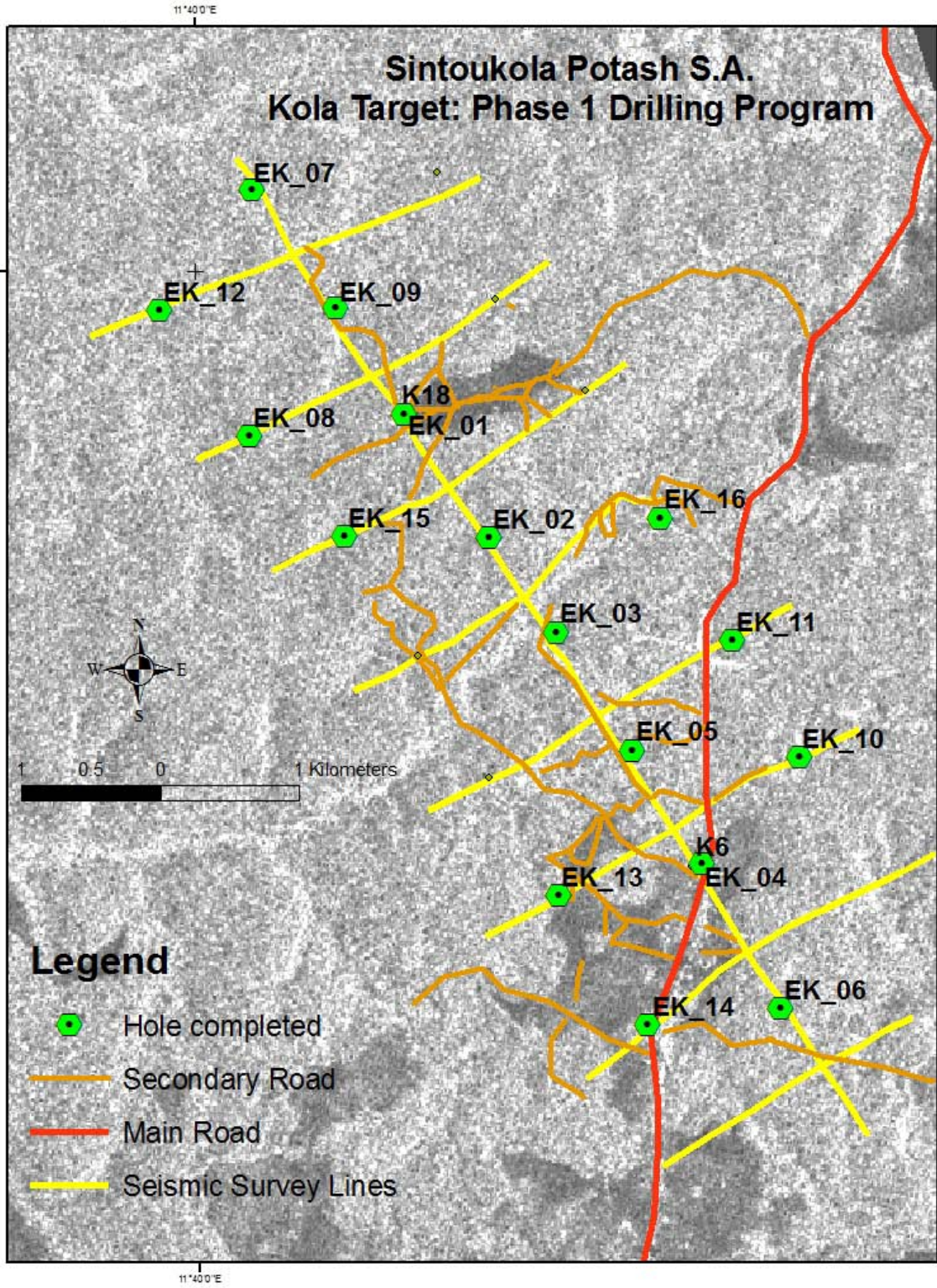


Figure 2. Drill hole plan

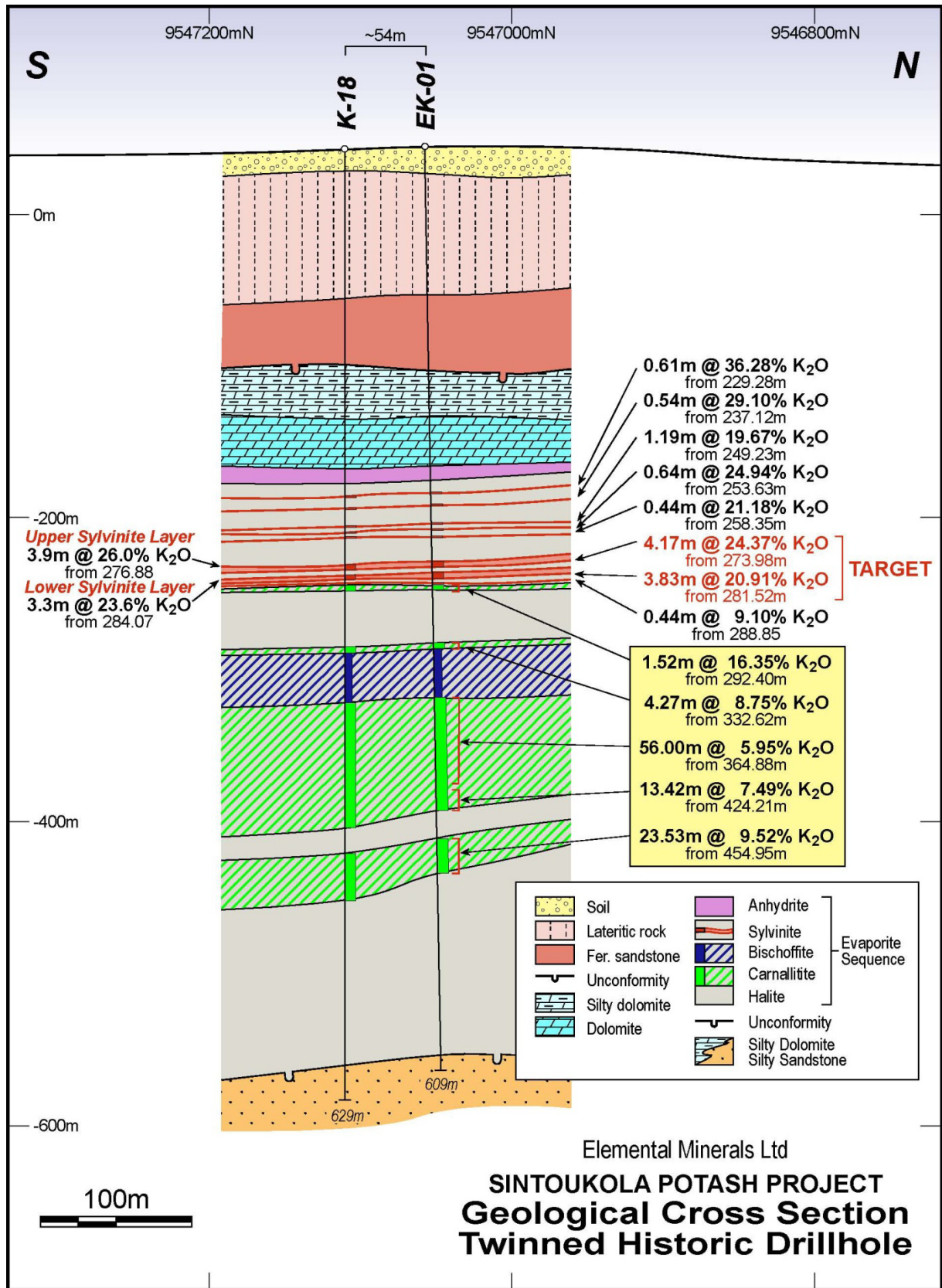


Figure 3. Cross section through twin holes. Main intercepts reported here are highlighted.

Table 1: Drill Hole Coordinates

Hole	Easting - WGS84	Northing - WGS84	RL (m)	Depth (m)	Azimuth	Dip
EK_01	797604.55	9547098.68	41.43	609m	0.00	-90.00

Table 2: Selected assay returns from EK_01

Hole	Zone	From (m)	To (m)	True Width (m)	% K ₂ O	% KCl
EK_01	Carnallite	292.44	293.96	1.52	16.35	25.90
EK_01	Carnallite	332.00	336.27	4.27	8.75	13.86
including		332.62	333.87	1.25	12.11	19.18
EK_01	Carnallite	364.88	420.88	56.00	5.95	9.42
including		364.88	374.55	9.67	9.88	15.65
including		377.13	381.05	3.92	6.8	10.77
including		387.55	388.52	0.97	10.19	16.14
including		395.30	397.40	2.10	10.35	16.39
including		409.78	413.81	4.03	8.84	14.00
including		417.35	420.39	3.04	9.91	15.70
EK_01	Carnallite	424.21	429.36	5.15	9.74	15.43
including		428.01	429.35	1.34	12.87	20.39
EK_01	Carnallite	431.80	437.63	5.83	8.66	13.72
including		434.24	437.77	3.53	12.32	19.51
EK_01	Carnallite	454.95	478.48	23.53	9.53	15.10
including		458.81	459.80	0.99	12.69	20.10
including		462.20	464.86	2.66	12.38	19.61
including		464.75	466.35	1.60	11.86	18.79
including		470.60	475.63	5.03	11.57	18.33
including		474.20	476.97	2.77	12.07	19.12
including		476.29	477.06	0.77	13.71	21.72
including		477.61	478.48	0.87	12.98	20.56

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SAMPLING & ANALYTICAL DETAILS

Drill core samples (PQ core diameter sizes) are split in half by a diamond saw cutting machine at the project site. The half split samples, each weighing from three to seven kilograms, are collected at an average interval of 0.3 to 0.6 metres. The samples were processed and analysed by KUTEC, Sondershausen, Germany. Sample preparation is done by KUTEC. Potassium, Sodium, Calcium, Magnesium, Chlorine and Sulphur were analysed by ICP-ES. Routine international-standard QA/QC procedures were used by KUTEC. One of the six elements analysed are reported here: potassium (K) and its molecular equivalent of Potassium oxide (K₂O, by multiplication with a factor of 1.204). The detection limit for K is 0.001%.

Competent Person Statement

Scientific or technical information in this release has been prepared by Dr Simon Dorling and Jeff Elliott, of CSA Global Pty Ltd, the company's geological consultants. Dr Simon Dorling and Mr Jeff Elliott are members of the Australasian Institute of Geoscientists (MAIG) and have sufficient experience which is relevant to the style of mineralisation under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code). Dr Simon Dorling and Mr Jeff Elliott consent to the inclusion in this report of the Information, in the form and context in which it appears.

Forward-Looking Statements

This press release contains statements that are "forward-looking". Generally, the words "expect", "intend", "estimate", "will" and similar expressions identify forward-looking statements. By their very nature, forward-looking statements are subject to known and unknown risks and uncertainties that may cause our actual results, performance or achievements, or that of our industry, to differ materially from those expressed or implied in any of our forward-looking statements. Statements in this press release regarding the Company's business or proposed business, which are not historical facts, are "forward-looking" statements that involve risks and uncertainties, such as estimates and statements that describe the Company's future plans, objectives or goals, including words to the effect that the Company or Management expects a stated condition or result to occur. Since forward-looking statements address future events and conditions, by their very nature, they involve inherent risks and uncertainties. Actual results in each case could differ materially from those currently anticipated in such statements.

Investors are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date they are made.

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