

1st REEBAUX Workshop 2019

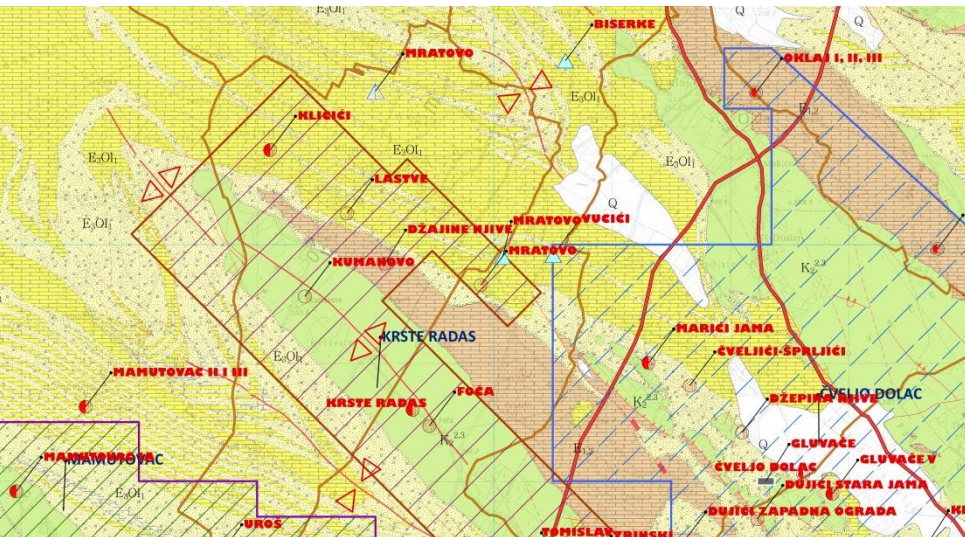


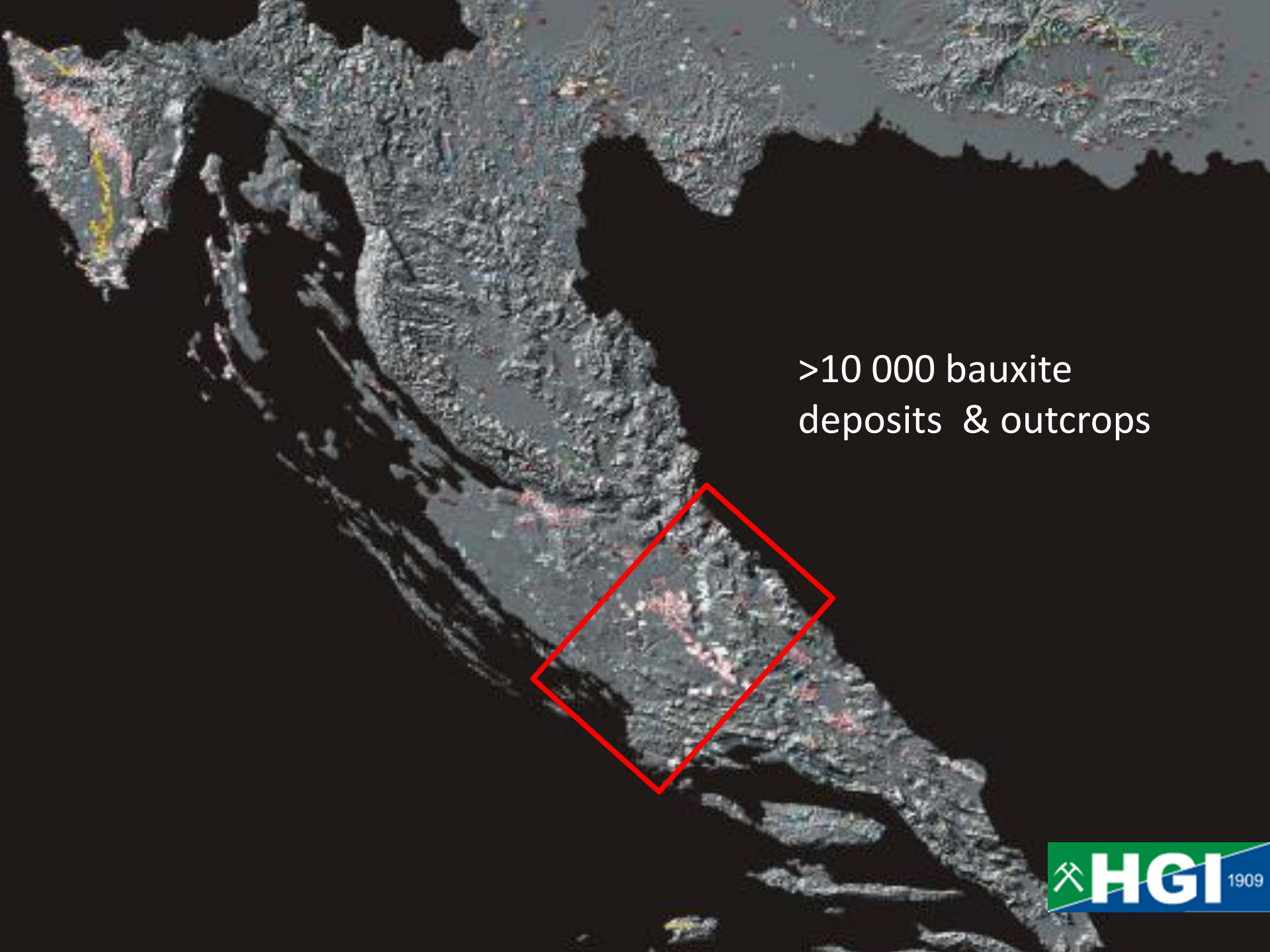
Bauxite deposits of the Promina region (Šibenik-Knin County county, Dalmatia)

Slobodan Miko, Nikolina Ilijanić,
Nikola Gizdavec, Željko Dedić, Boris Kruk



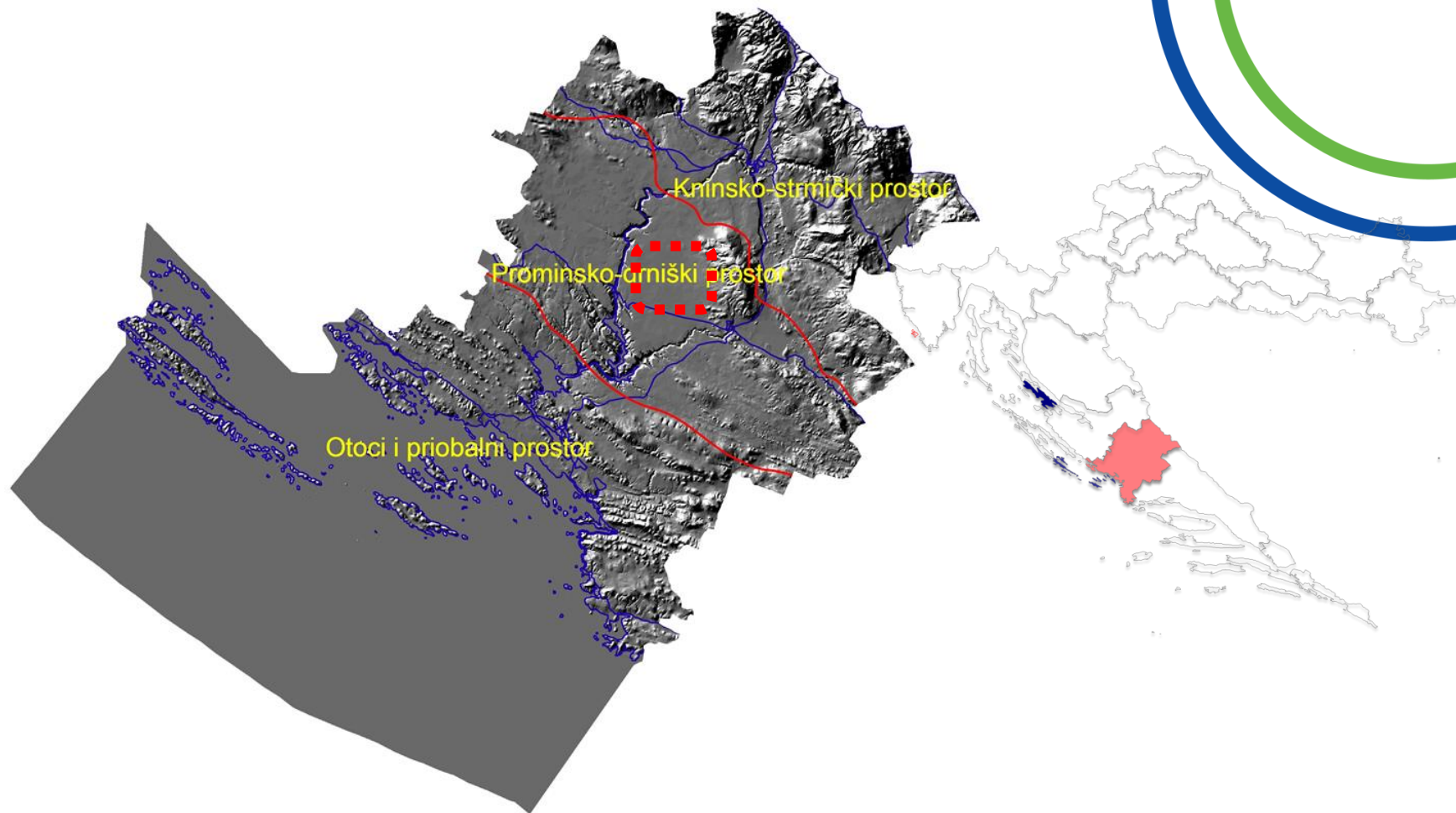
14th – 15th October, 2019



A satellite map of a coastal region, likely in Australia, showing a large body of water on the right and a rugged coastline on the left. A red rectangle is drawn on the land area, highlighting a specific region of interest. The text ">10 000 bauxite deposits & outcrops" is overlaid on the map, indicating the significance of the highlighted area.

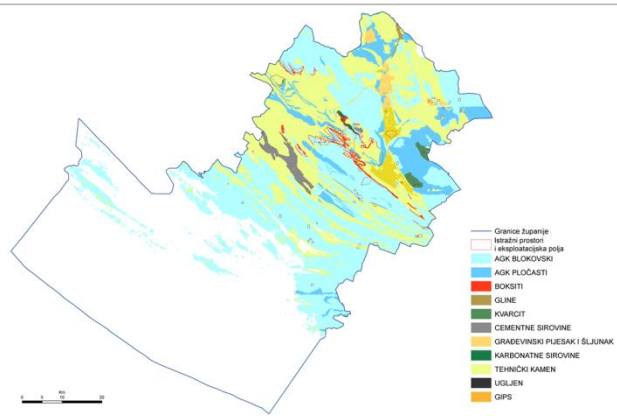
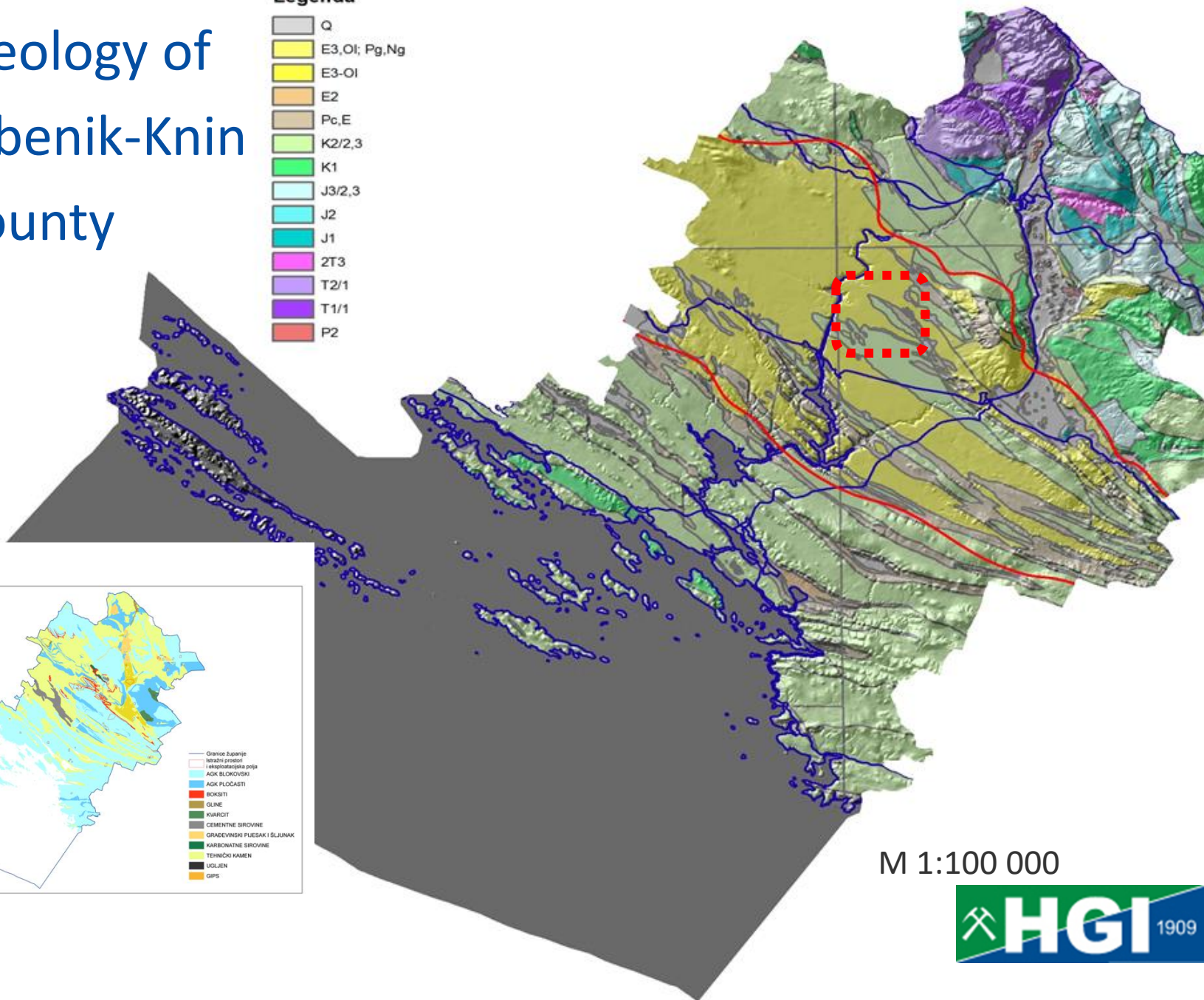
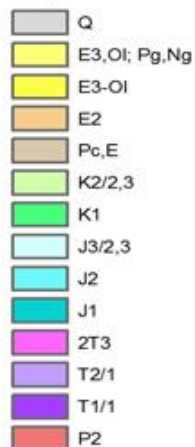
>10 000 bauxite
deposits & outcrops

Šibenik-Knin County



Geology of Šibenik-Knin county

Legenda



M 1:100 000

STAROST			GRAFIČKI PRIKAZ	OZNAKE	FORMACIJE
K E N O Z I J A R	K V A R T A R				
	ALUVIJ DELUVIJ			OS GS,GP PD	Q
T E R C I J A R	NEOGEN		UG TP		NgKK
	P A L E O G E N		AG Bx CS UG AG UG CS AG Bx CS Bx TK Bx AG TK KP	AG TK Bx RS AG Bx TK AG KV BG TK TK AG AG,TK Bx TP Fe VG AG,TK EM SS,TK EV EV	JBđ FPr PgFl PgFV PgBđ FSg FGH VDCT, PVCT DAC VDDK VDGJ VSJ VDDJ GDGT KKVST DVST KKDT ESVK

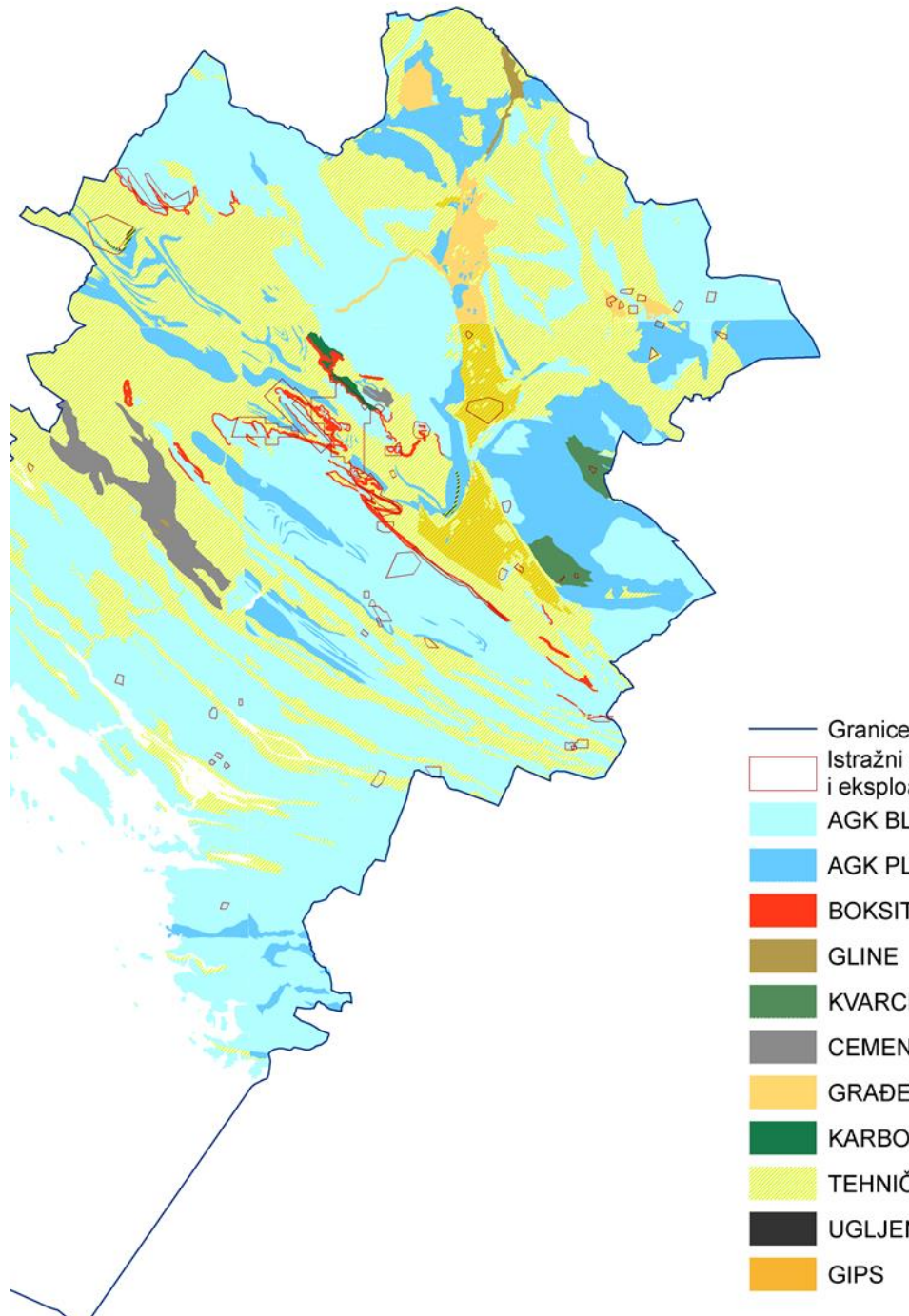
LEGENDA:

a) litološka

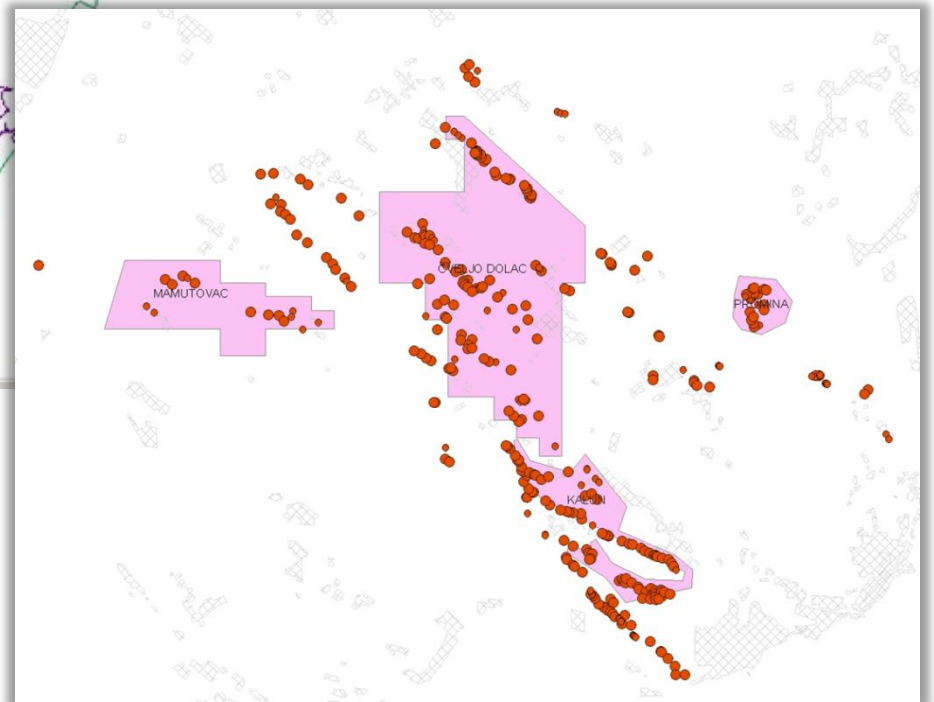
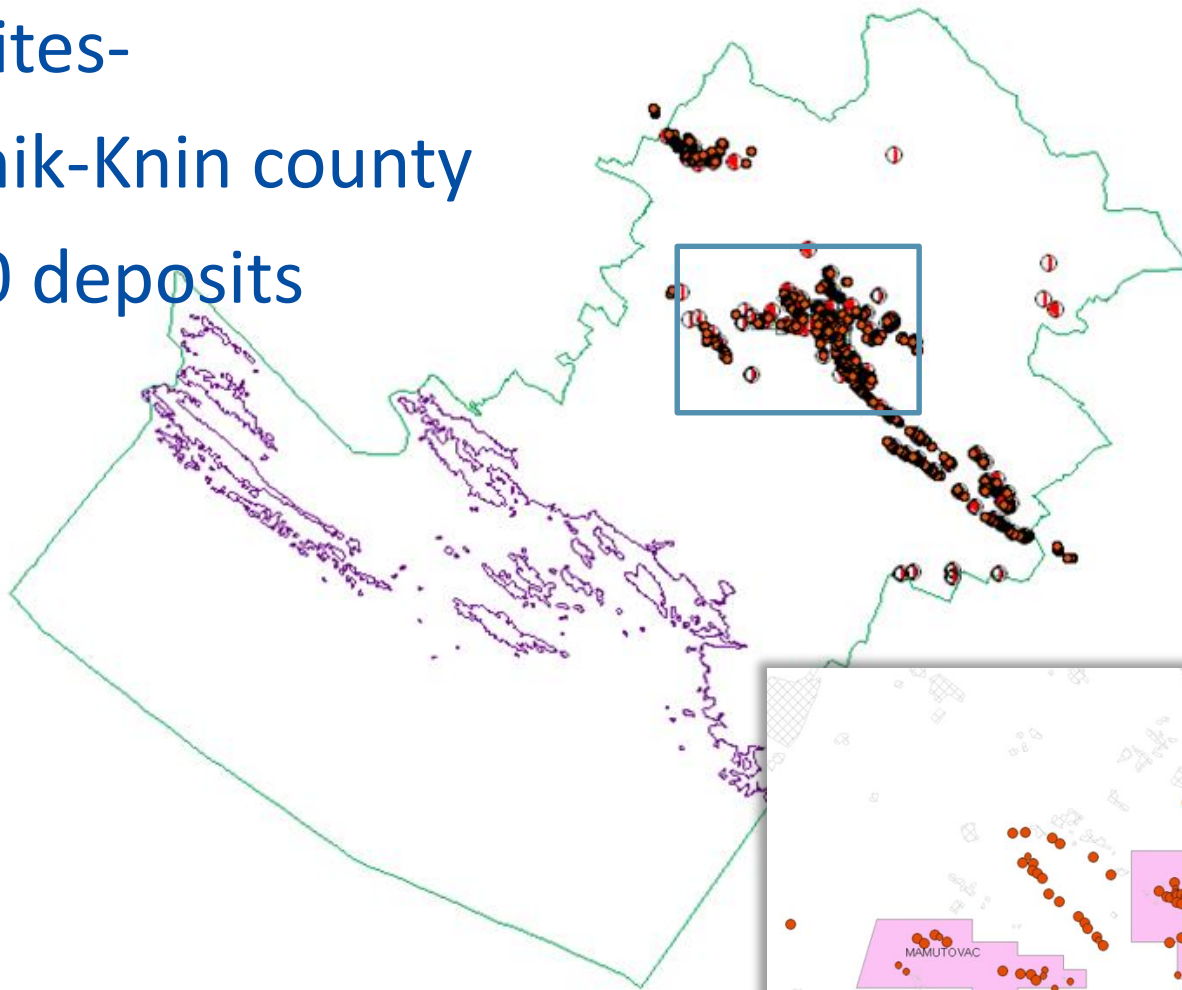
- Pijesak i šljunak
- Glina
- Boksitna ležišta i pojave
- Tuf, tufit
- Rožnac, kvarcit
- Dolomit
- Vapnenac
- Laporoviti vapnenac, vapnenački lapor
- Lapor, lapor s ugljenom
- Pješčenjak
- Konglomerat
- Broča
- Gips, anhidrit
- Dijabaz (spilitizirani)

b) mineralnih sirovina

- Opekarska sirovina
- Građevni šljunak i pijesak
- Peloidi
- Ugljen
- Tuf, tufit
- Arhitektonsko-građevni kamen
- Boksit
- Sirovina za cement
- Tehničko-građevni kamen
- Fosfor
- Kvarcni pijesak
- Bituminozna stijena
- Kvarcna sirovina
- Silikatna sirovina (eruptiv)
- Bentonitska glina
- Željezna ruda
- Keramička i vatrostaalna glina
- Ekspandirani materijal
- Evaporit
- Evaporitne pojave

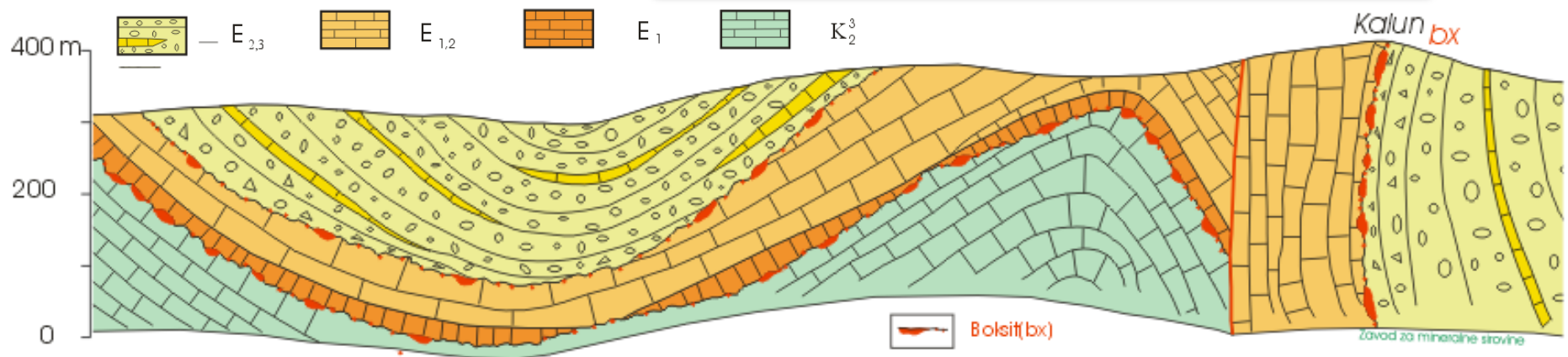
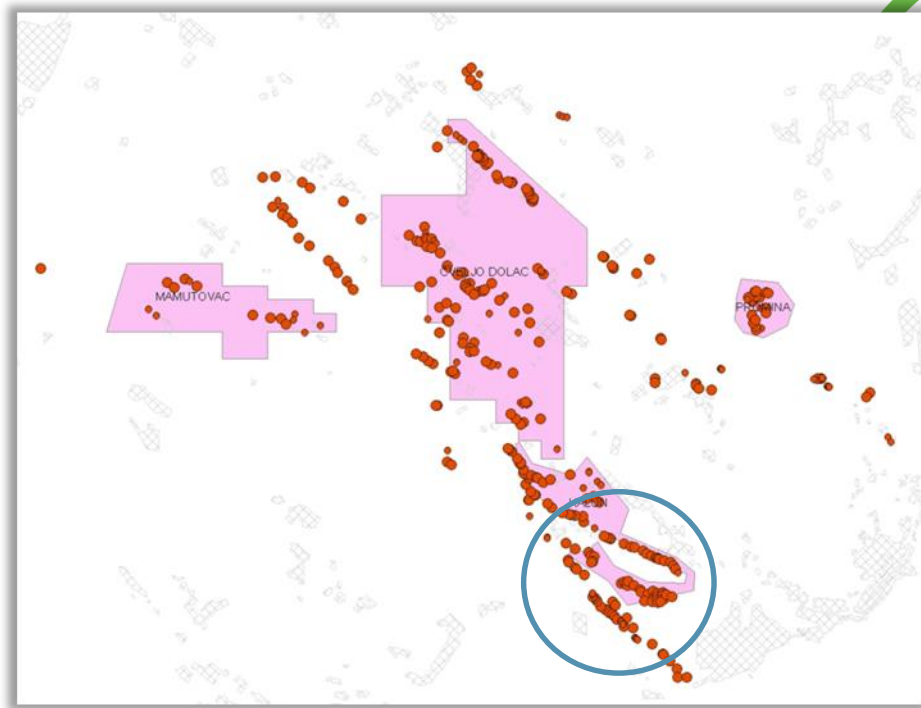


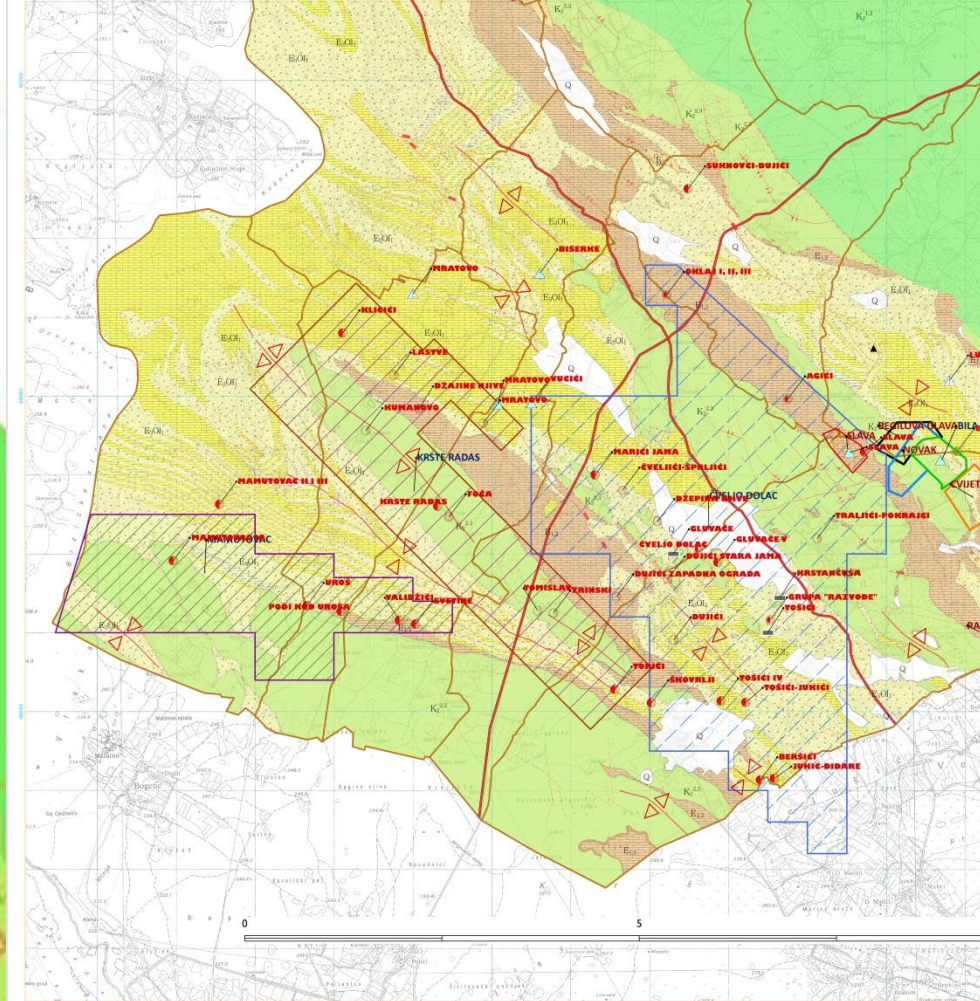
Bauxites- Šibenik-Knin county > 750 deposits



>750 Deposits and outcrops

Kalun deposit exploited at 400 m depth



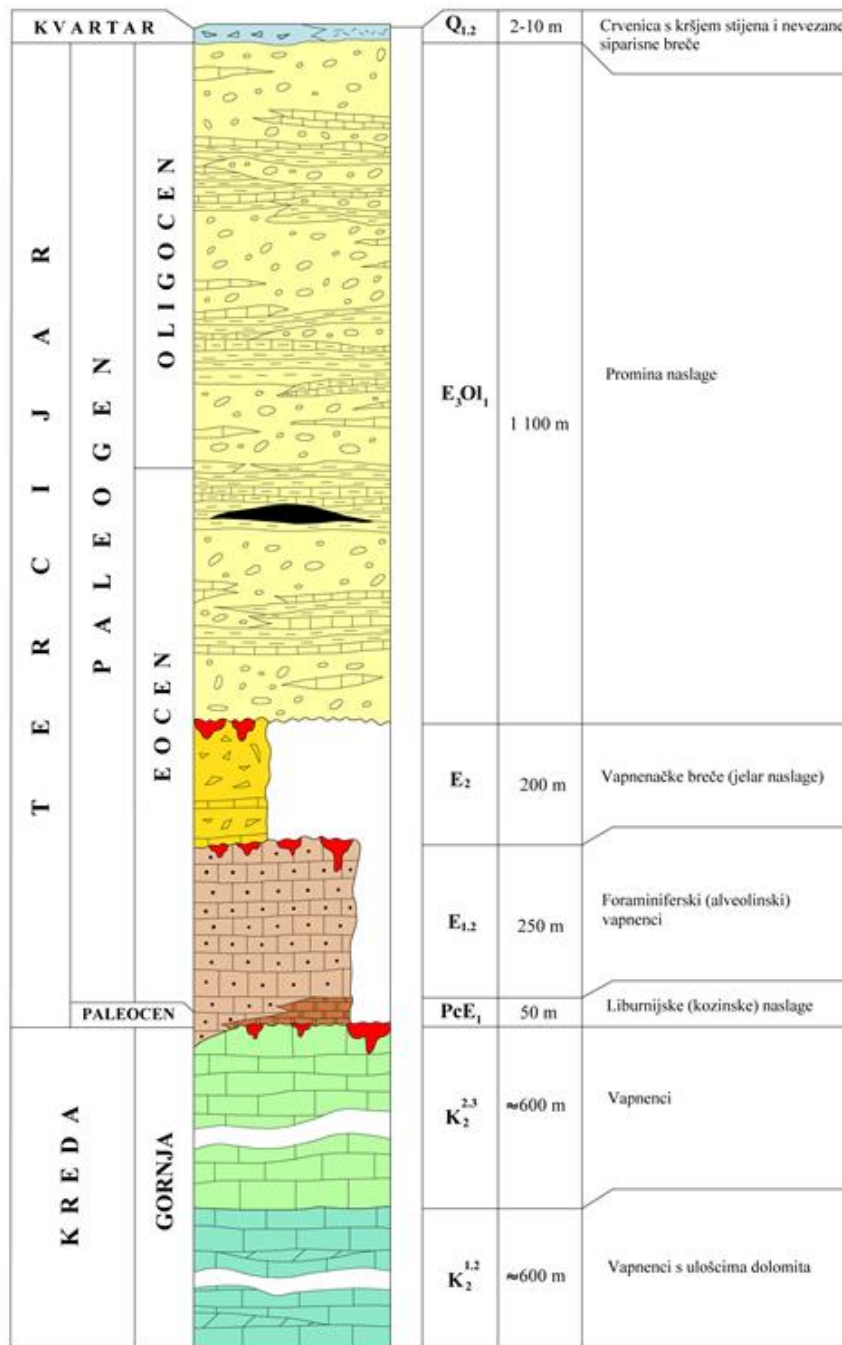


STAROST	GRAFIČKI PRIKAZ	OZNAKE	FORMACIJE
KAMENIČAN	ASUVU DELUVO		Q
	NEOGEN		NgKK
PALEOGEN			JbM
			FPr
			PgF1
			PgFV
KREDA	ODONIA		PgM
			F1g FCH
			VDCT, PVCT
			DAC
	DONIA		VDOK
			VDGI
			VSJ
JURA	ODONIA		VDDJ
	BRZJINA		
	DONIA		
TRIAS	ODONIA		GDGT
	BRZJINA		KKVST
			DVST
	DONIA		KKDT
PALEOZOIK	PERMIJ		ESVK
	KARBON		

-  - Pijesak i bljuzak
-  - Glina
-  - Boksična ležišta i pejsave
-  - Tuf, tufit
-  - Rožnac, kvarcit
-  - Dolomit
-  - Vapnenac
-  - Laporoviti vapnenac, vapnenacki lapor
-  - Lapor, lapor s ugljenom
-  - Pješčenjak
-  - Konglomerat
-  - Breča
-  - Gips, anhidrit
-  - Dijaheks (nolitizirani)

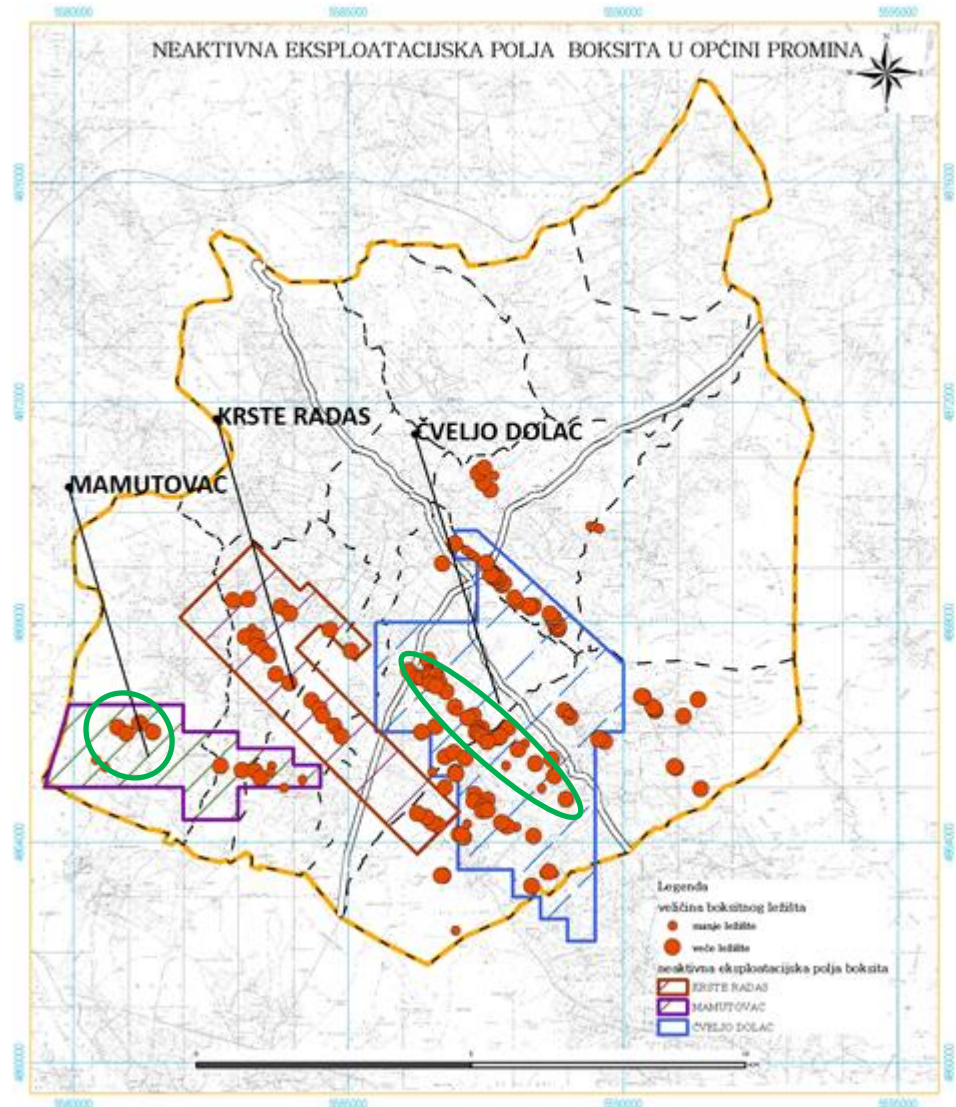
	OS	Općinska službina
	GRAD	Gradevni Rjatelj i pjesnik
	PE	Peloidi
	UG	Uglen
	TF	Tuf, tufiti
	AG	Arhitektonsko-gradevni kamen
	BO	Bokali
	CS	Sirovina za cement
	TK	Tehnološki-gradevni kamen
	FO	Fosfor
	KP	Kvarcni pjesak
	BL	Bliznastosa stijena
	KV	Kvarcna sirovina
	SK	Silikatna sirovina (eruptiv)
	BU	Benzoinska gline
	JE	Željezna ruda
	VG	Keramički i varosna gline
	EM	Ekspandirani materijal
	EV	Evaporiti
	EP	Evaporirane pojave

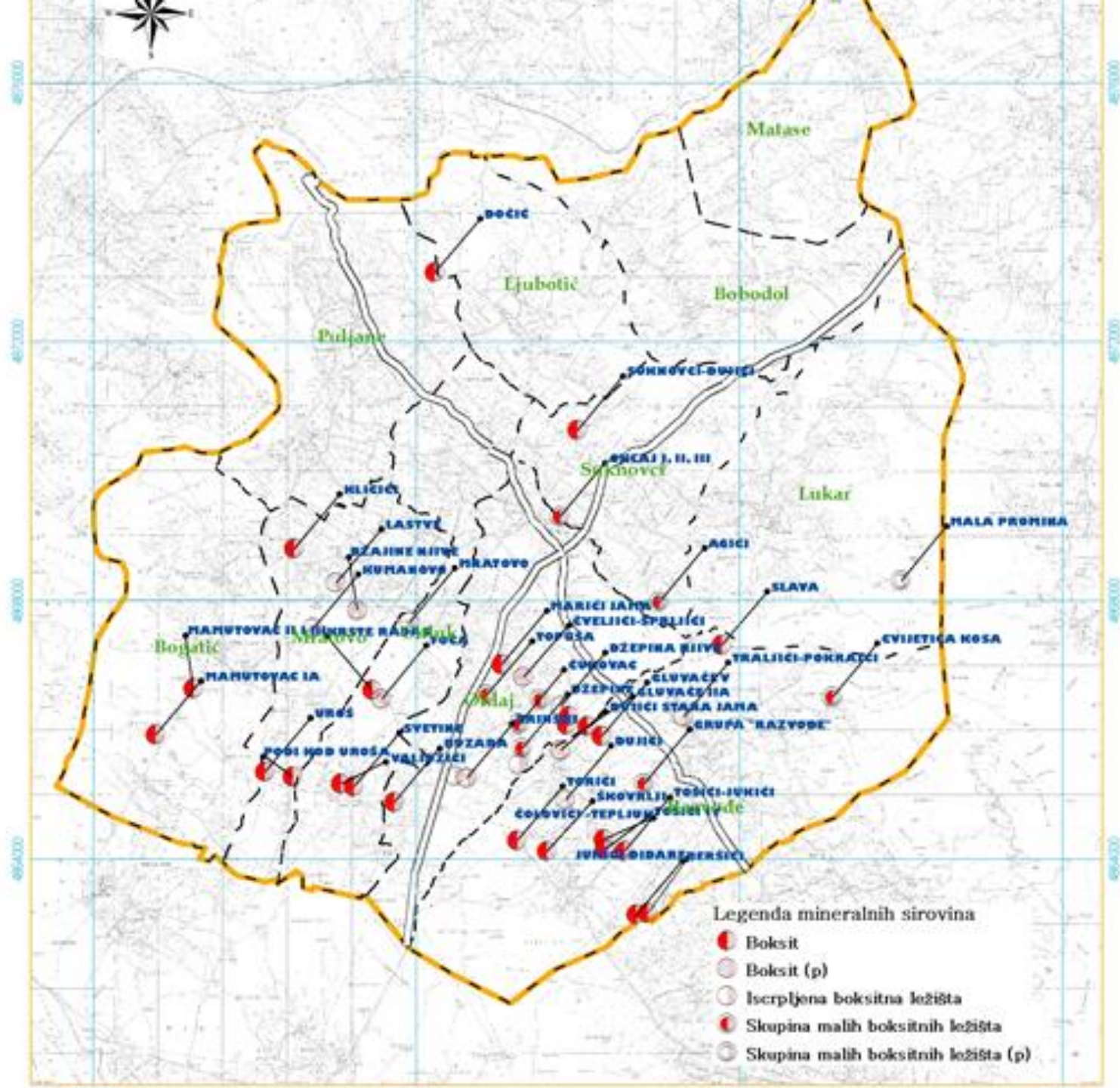
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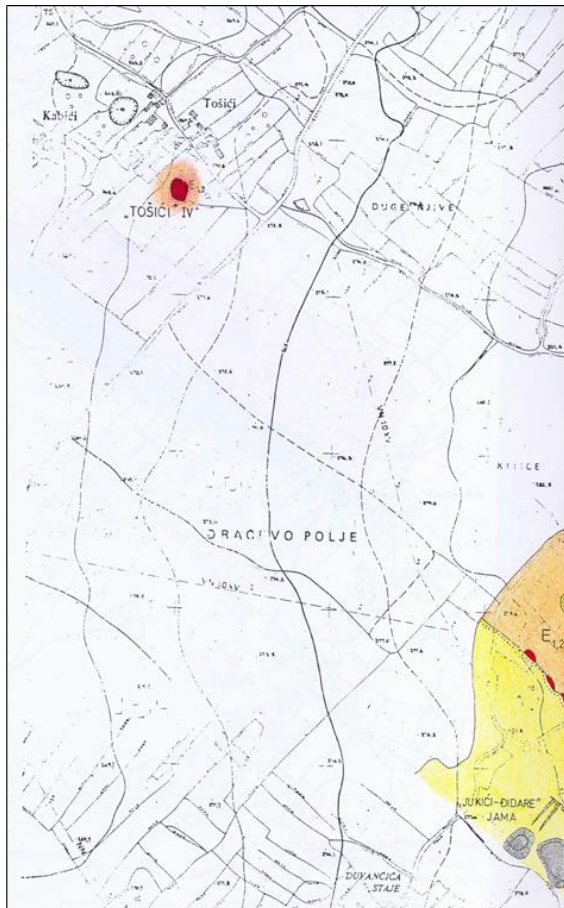
Al ₂ O ₃	47,18 %
SiO ₂	4,55 %
TiO ₂	2,70 %
Fe ₂ O ₃	22,05 %
CaO	0,40 %
Gub. žar.	23,10 %

open pit mining
open pit mining
open pit mining
open pit mining
open pit mining

[illegible]



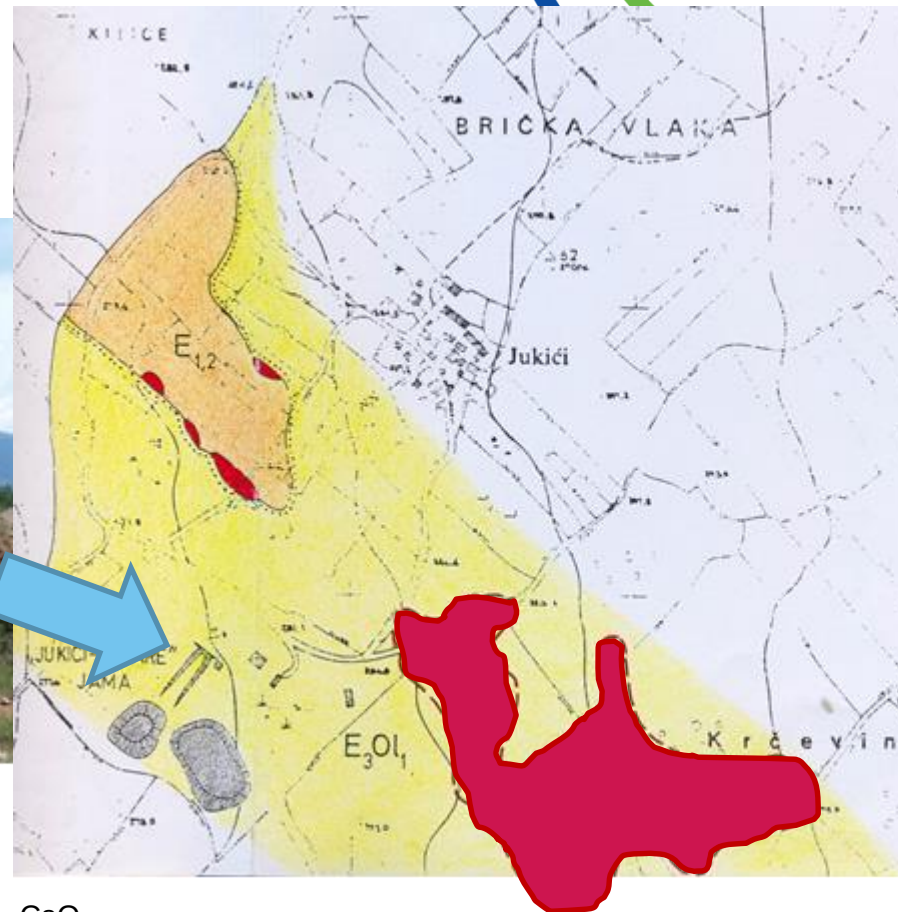
Tošići IV



Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	G.ž.	CaO
40,6	17,4	2,5	17,8	21,0	0,7%

Jukići-Đidare

- Reserves 167 650 t
- underground exploitation
- Hanging wall „Promina” conglomerates



Al_2O_3
48,16

SiO_2
2,97

TiO_2
2,83

Fe_2O_3
19,56

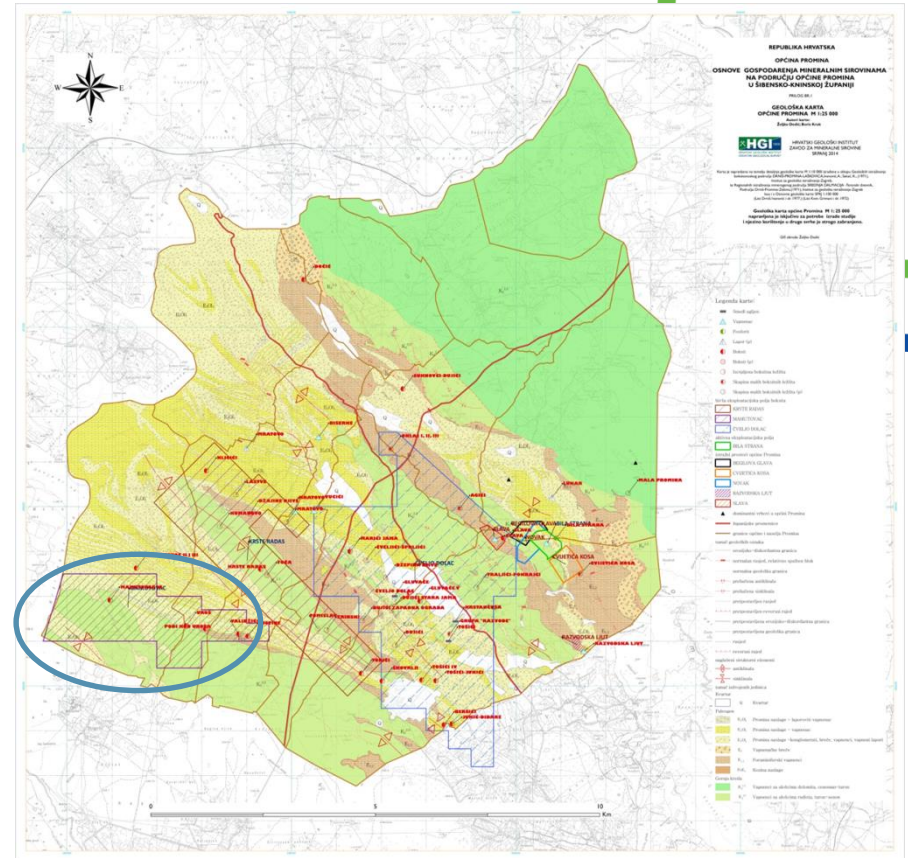
Gub. žar.
26,14

CaO
0,34

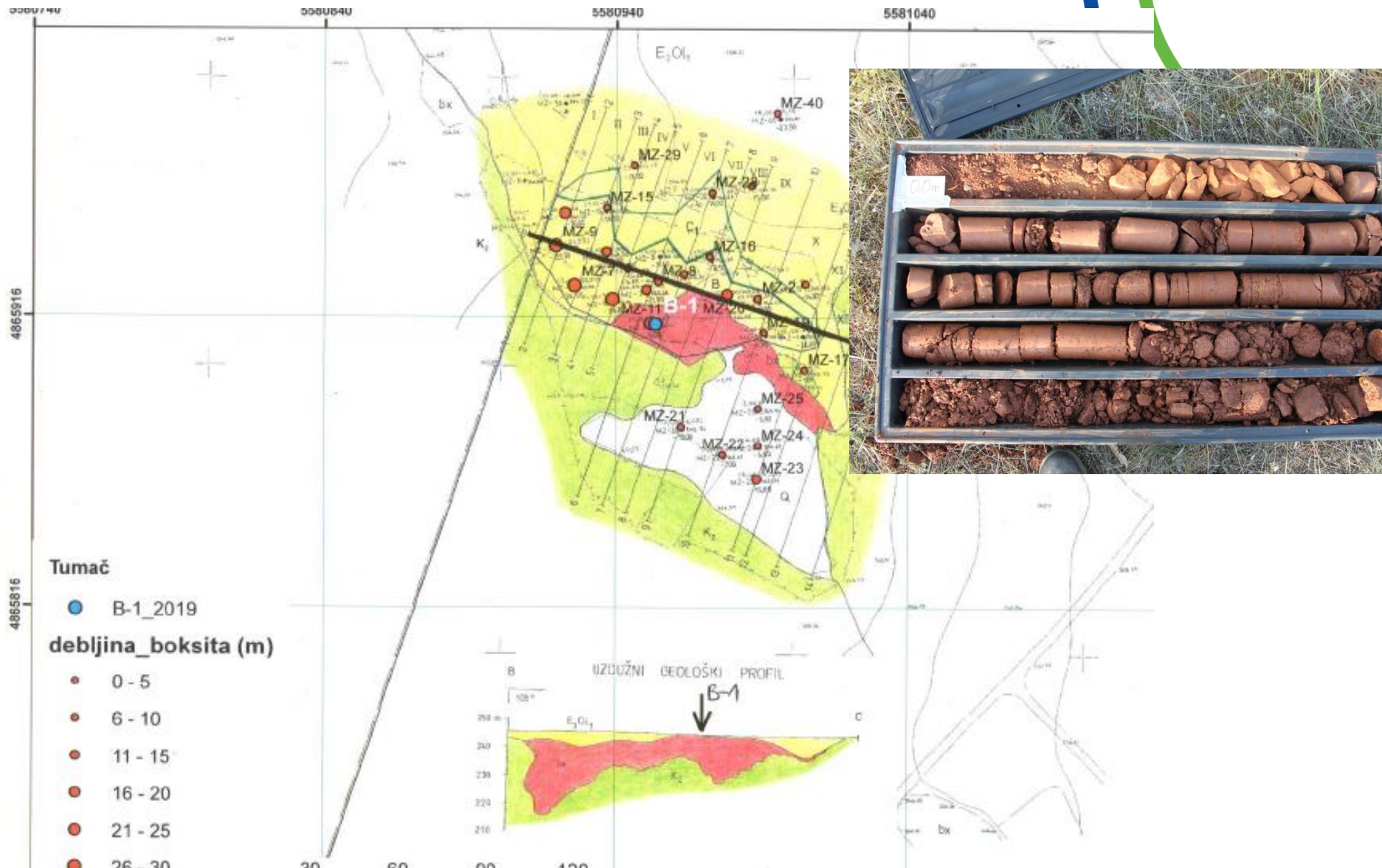
Mamutovac deposit

- Reserves 290 918 t
- Upper Eocene age
- Lower Cretaceous footwall

Al_2O_3	43,56 %
SiO_2	17,34 %
TiO_2	2,39 %
Fe_2O_3	18,31 %
LOI	16,17 %

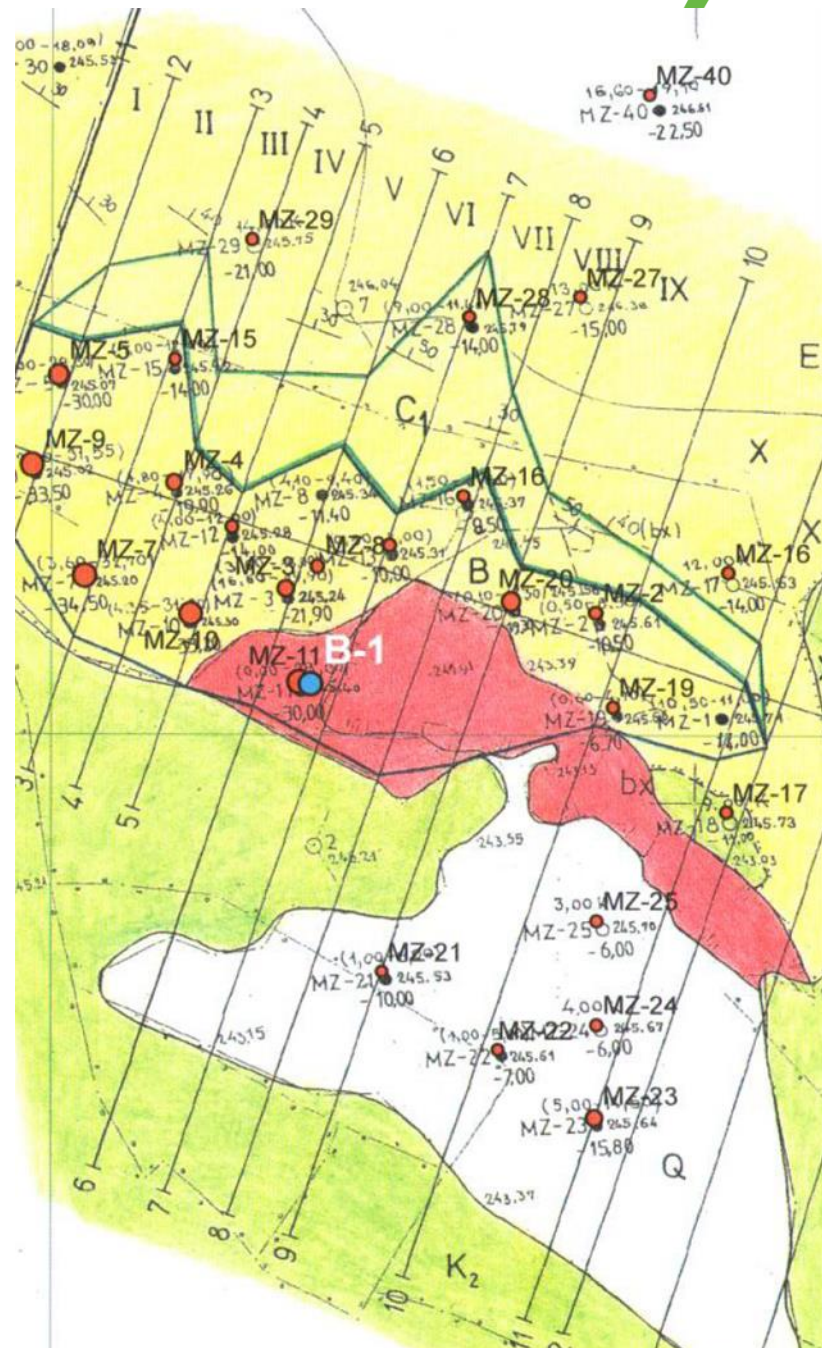


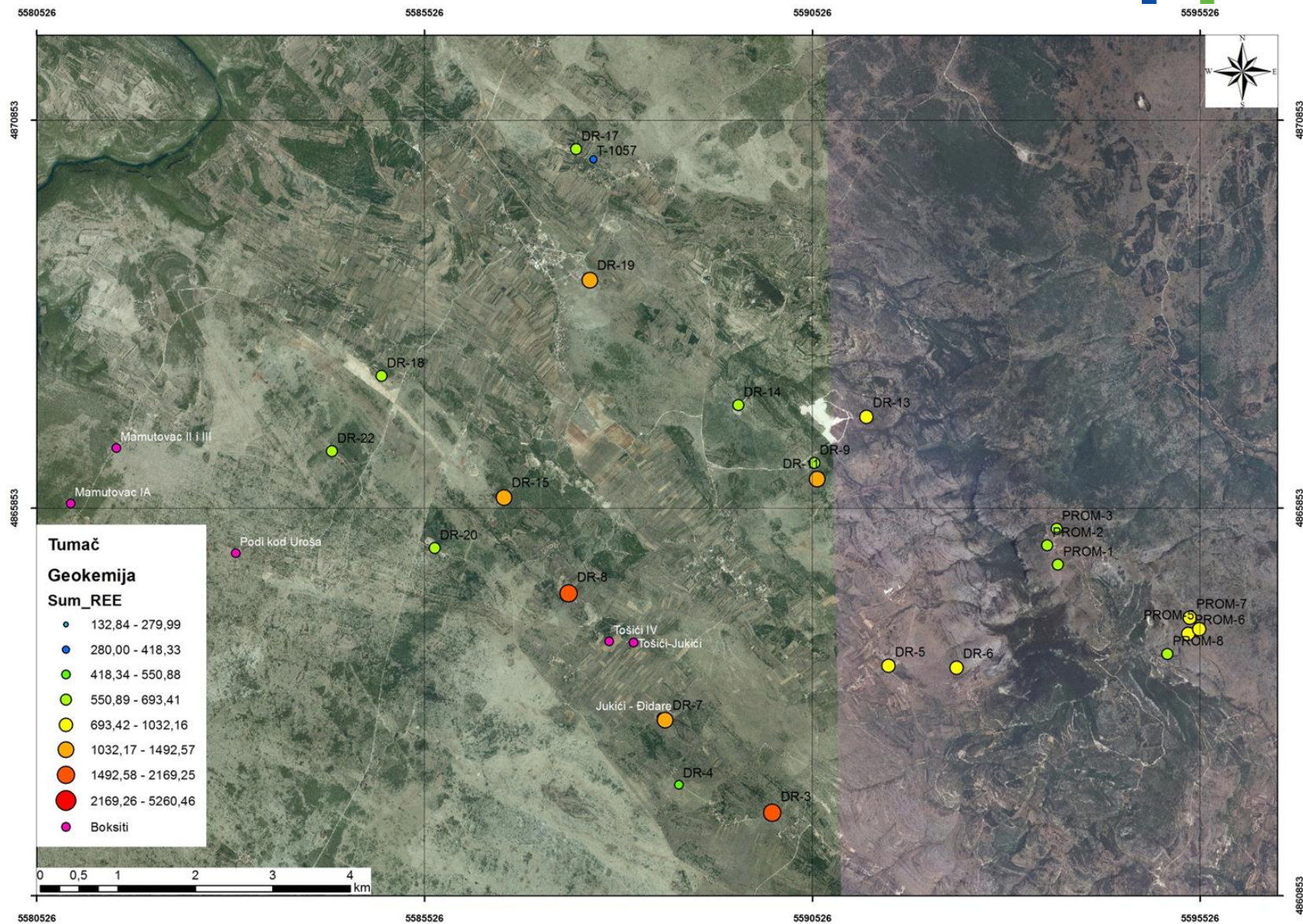
Mamutovac deposit



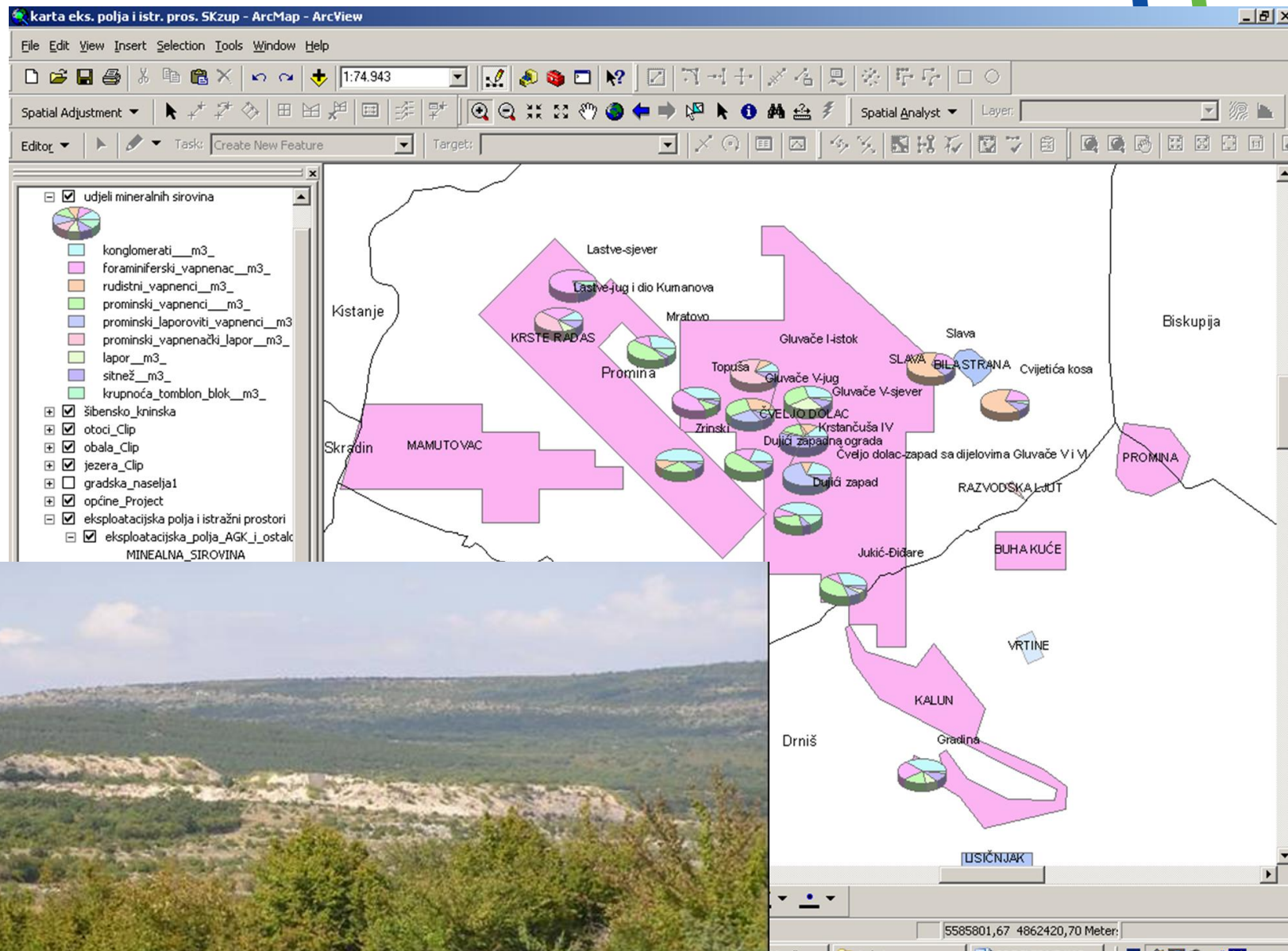
Mamutovac deposit

- 25 m core





Rock „waste” deposits from bauxite mining





EIT RawMaterials is supported by the EIT,
a body of the European Union