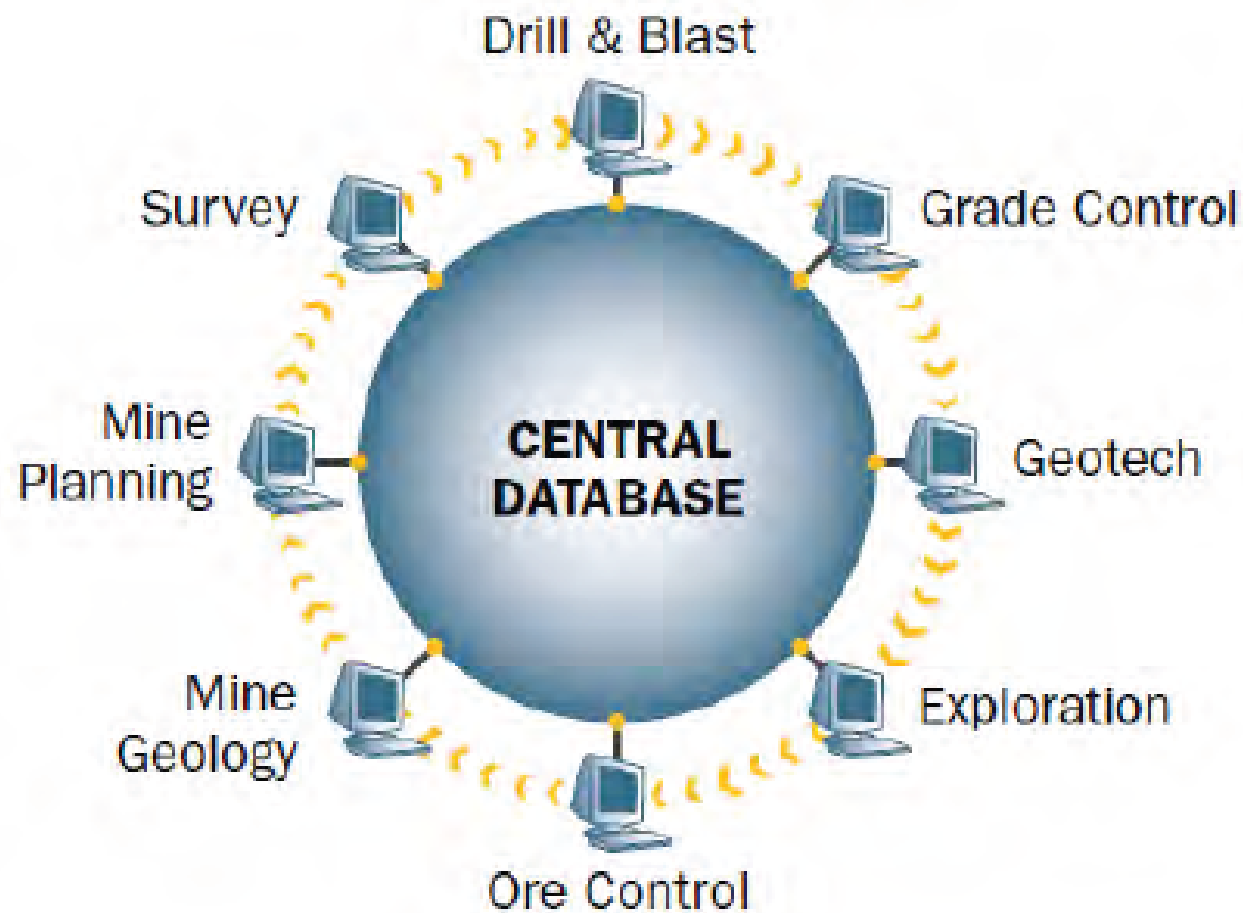


5.1. PRIMJENA PROFESIONALNIH RUDARSKIH I GEOLOŠKIH PROGRAMA U PROJEKTIRANJU ISTRAŽIVANJA I EKSPLOATACIJE MINERALNIH SIROVINA (Maptek-Vulkan, Imaker i dr.)



Slika 5.1.1 Forma središnje baze podataka računalnog programa GEMS

Property: Goldbug
 Location: Pinal Co, AZ
 Drillhole # 2
 Drilled by: Slumber Bros

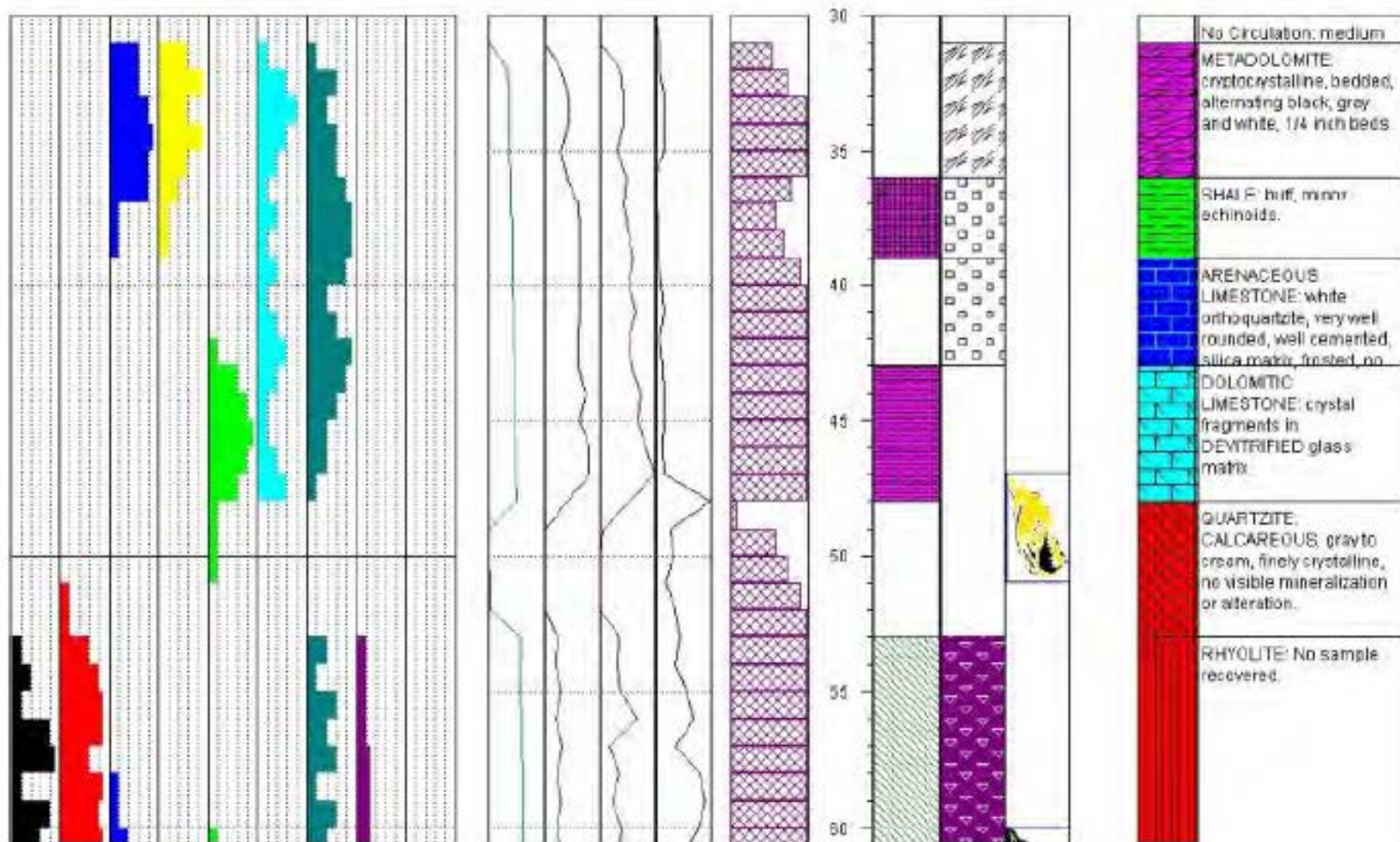
Total depth: 90'
 Logged by: SML Goldfinger
 Start date: 11/15/91
 Completion date: 11/15/93
 1/2



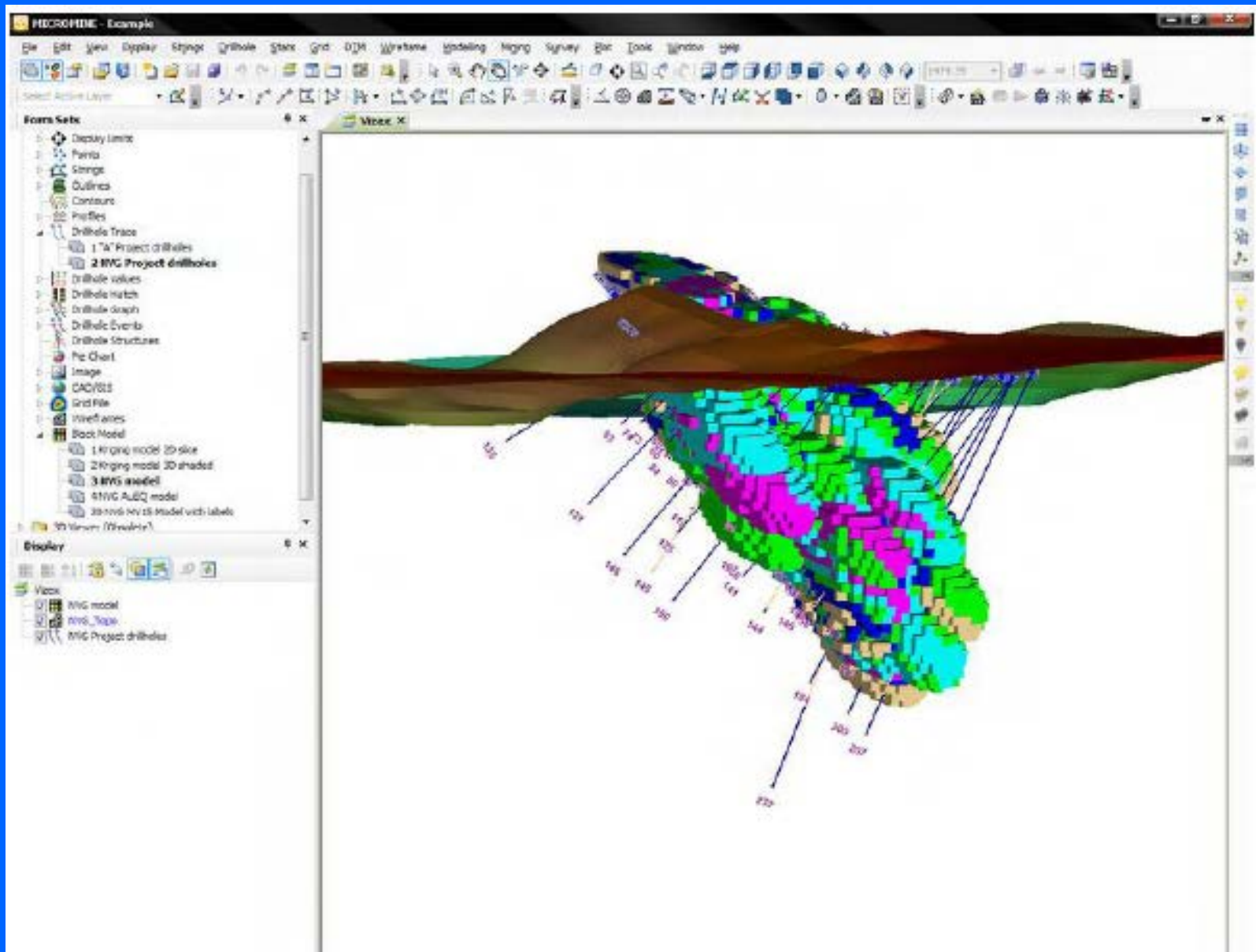
Desertlife Mining, Inc.

1720 E. Campbell Ave
 Tucson, AZ 85719

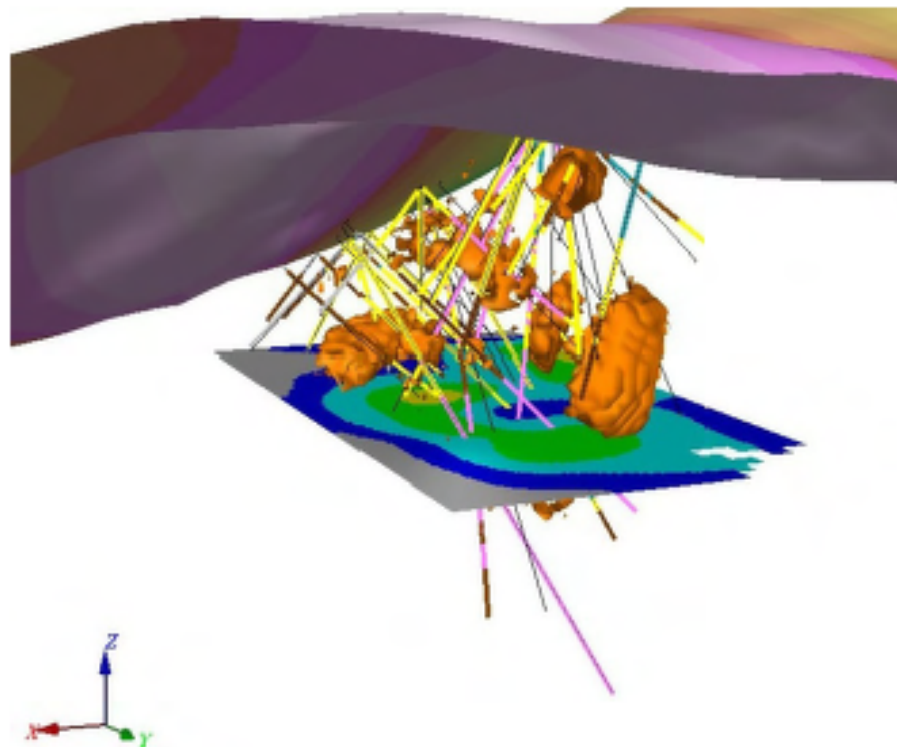
Elemental Abundances (0-55 Standard Deviations)											K2O	Na2O	CaO	CPW 0-1000	Recovery %	Depth	Alteration	Mineralization	Fossils	Lithology	Descriptions/Comments
Mo	Cu	Pb	Zn	Ag	W	Mn	Sr	P													



Slika 5.1.2 Log bušotinske jezgre iz rudnog ležišta prikazan programom LOGPLOT



Slika 5.1.3 Programsko sučelje računalnog programa MICROMINE s prikazom računalnog modela



Slika 5.1.4 Detalj ispodpovršinskih struktura prikazan pomoću računalnog programa Geosoft TARGET [i]



Loading Mining Truck

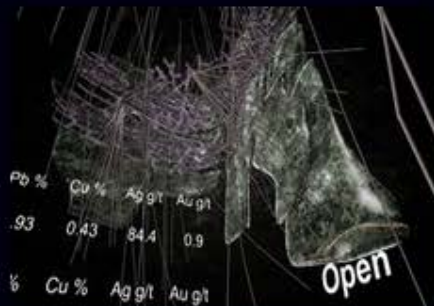
TWIN METALS | Minesite ANIMATION

TWIN METALS | Minesite ANIMATION www.twin-metals.com The project area encompasses three NI 43-101 compliant mineral deposits – Maturi, Spruce Road and Birch Lake – located approximately 10 miles east of Babbitt, Minn. and 15 miles southeast of Ely, Minn. Strategic Metals are: Copper, nickel, platinum, palladium and gold. Twin Metals Minnesota is strongly committed to developing an environmentally responsible mine project that performs above state and federal environmental protection standards. Twin Metals Minnesota is building state-of-the-art...

Slika 5.1.5



ORE BODY 3D Animation



TREVALI ORE BODY ANIMATION



queenston-orebody 3d visualizations



MANSFIELD | ORE BODY-MODELLING



STERLING SILVER | orebodymodelling



CROSS LAKE MINERALS LTD. | ORE BODY



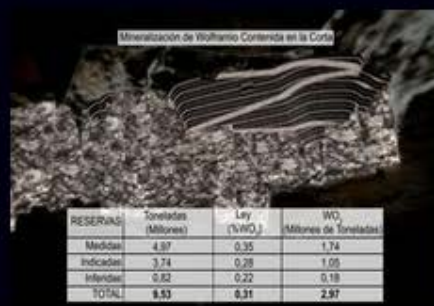
TEMEX | ORE BODY 3D ANIMATION



OREBODY ANIMATION



MINING ANIMATION | ORE BODY



ORMONDE | 3D orebody modeling

Slika 5.1.6



Slika 5.1.7



CONSTRUCTION PHASE

- Open pit begins
- Roads are built
- Buildings are constructed



Slika 5.1.9



Slika 5.1.10

•Open pit and
stock piles continue
to expand



Slika 5.1.11

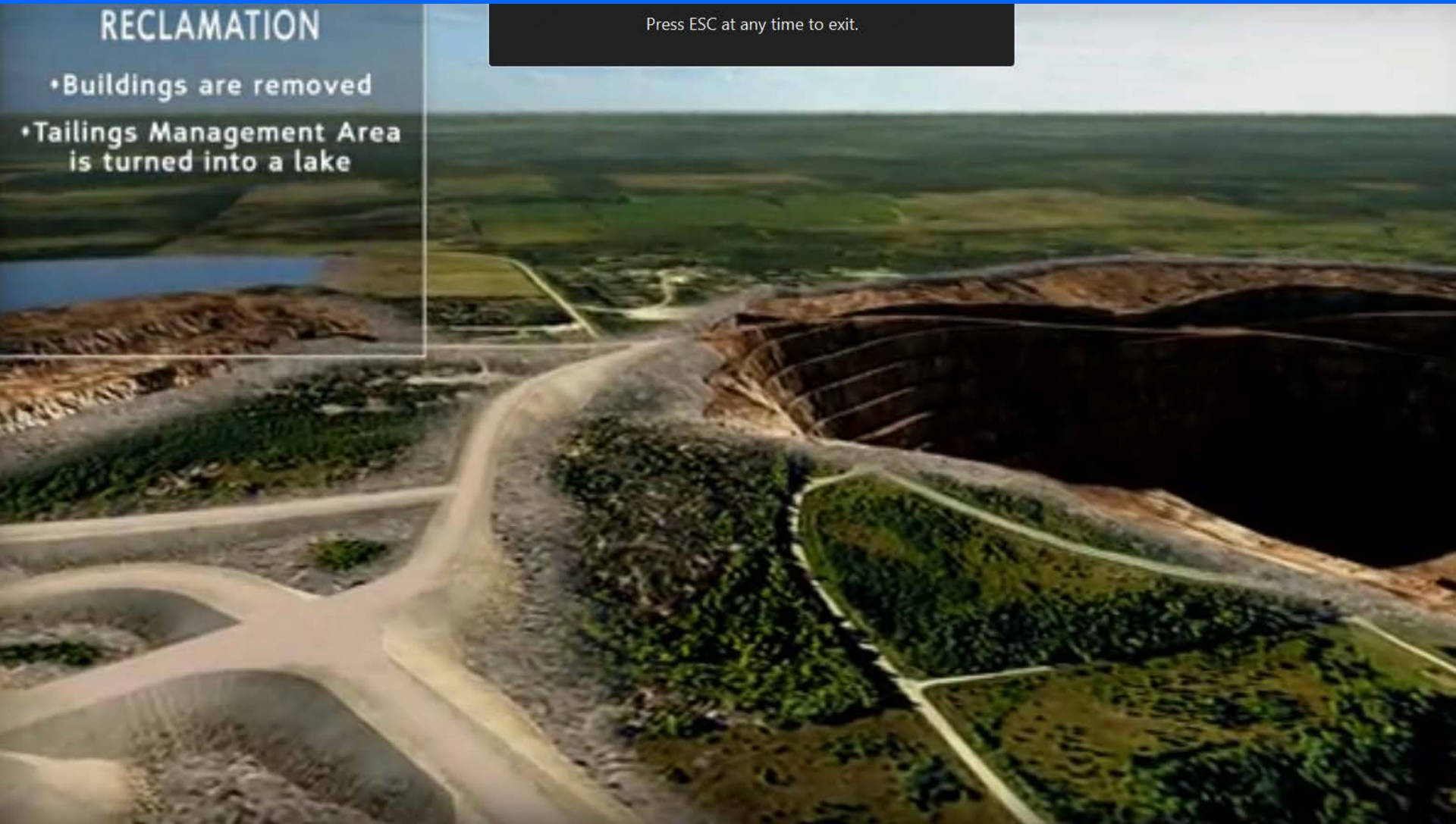


Slika 5.1.12

RECLAMATION

- Buildings are removed
- Tailings Management Area is turned into a lake

Press ESC at any time to exit.



Slika 5.1.13

RECLAMATION

- Buildings are removed
- Tailings Management Area is turned into a lake
- Open Pit fills with water

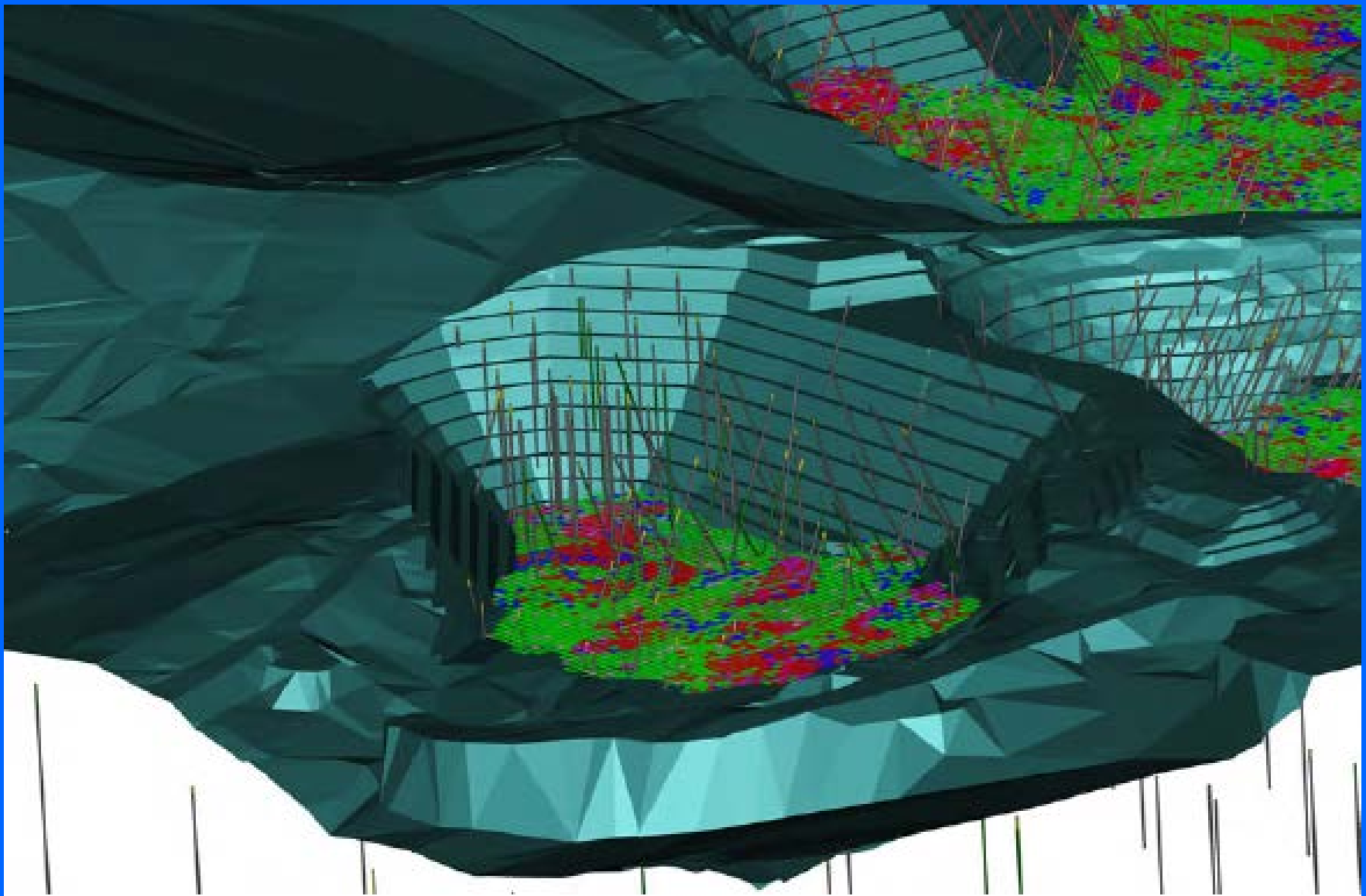


Slika 5.1.14

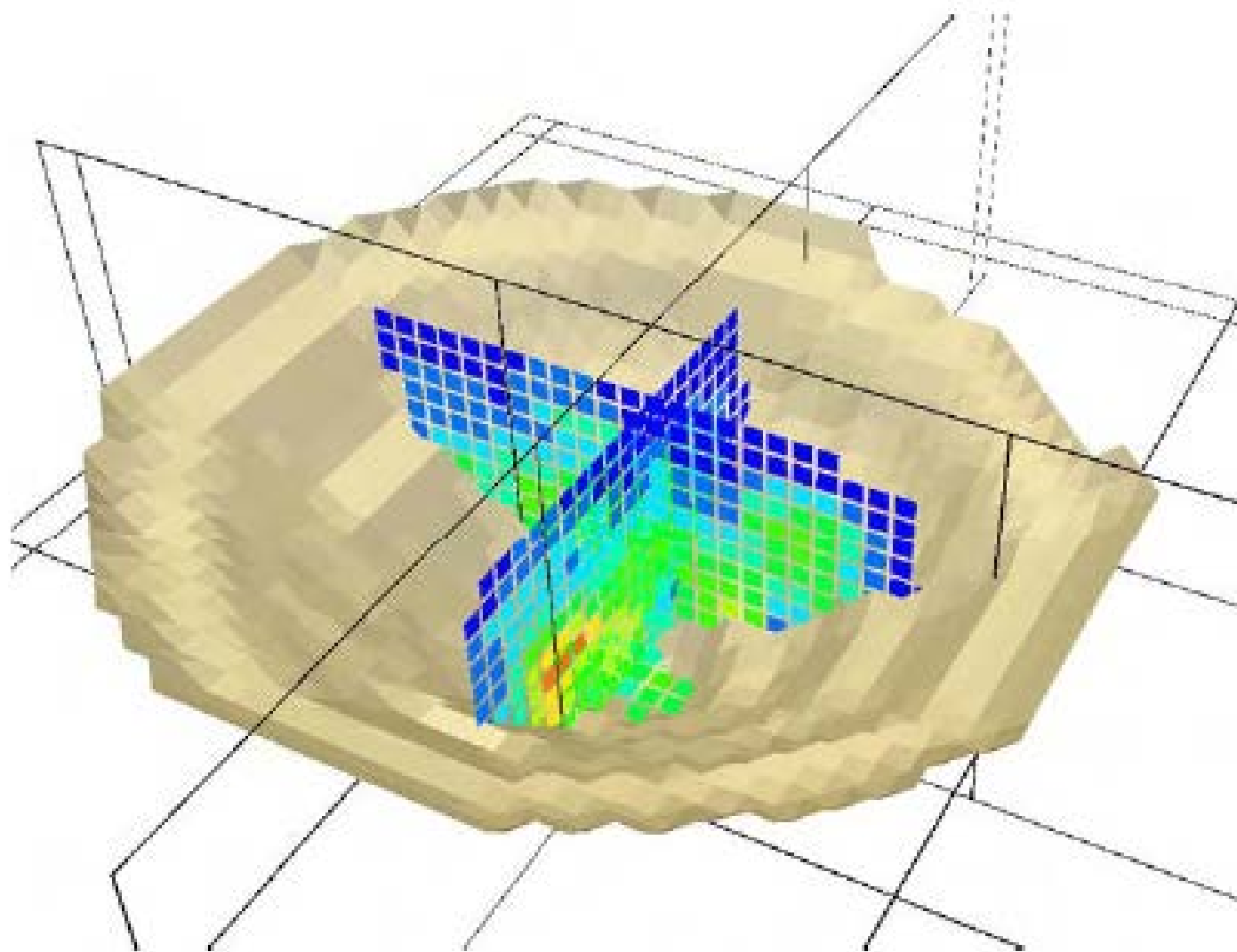
RECLAMATION

- Buildings are removed
- Tailings Management Area is turned into a lake
- Open Pit fills with water
- Local Vegetation is planted over stock piles

Slika 5.1.15

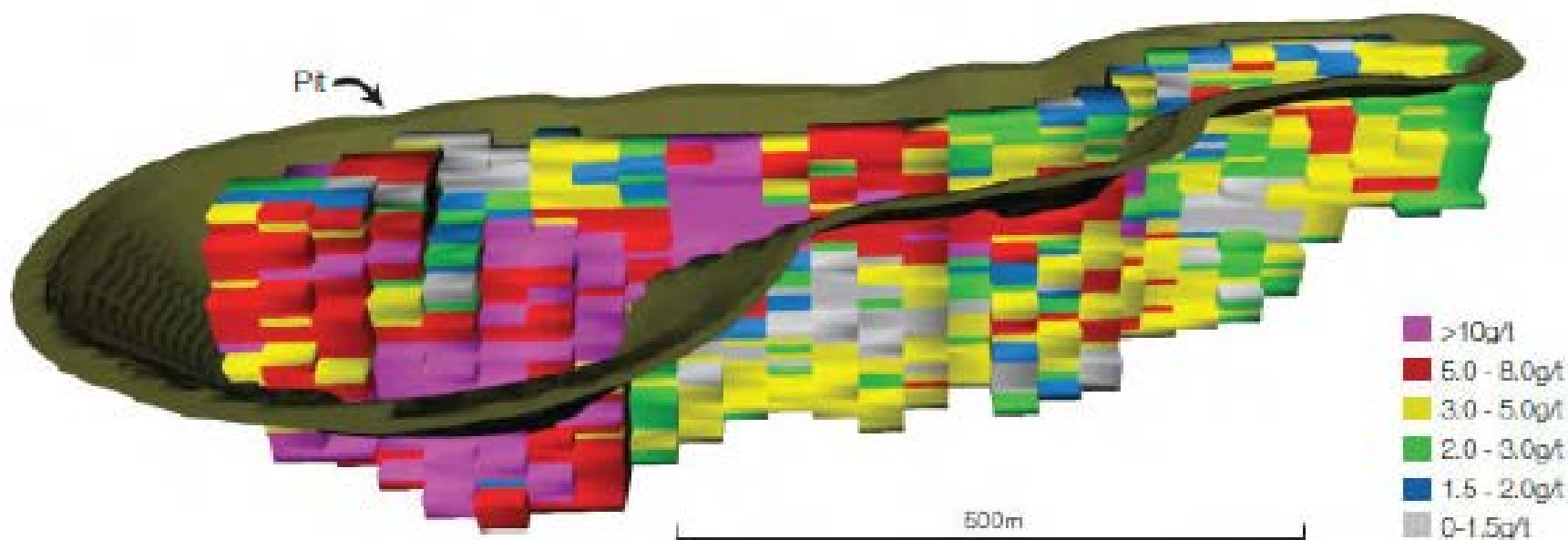


Slika 5.1.17 Triangulacijski računalni model površinskog kopa s topografijom terena u interakciji s računalnim blok modelom u programu SURPAC [e]

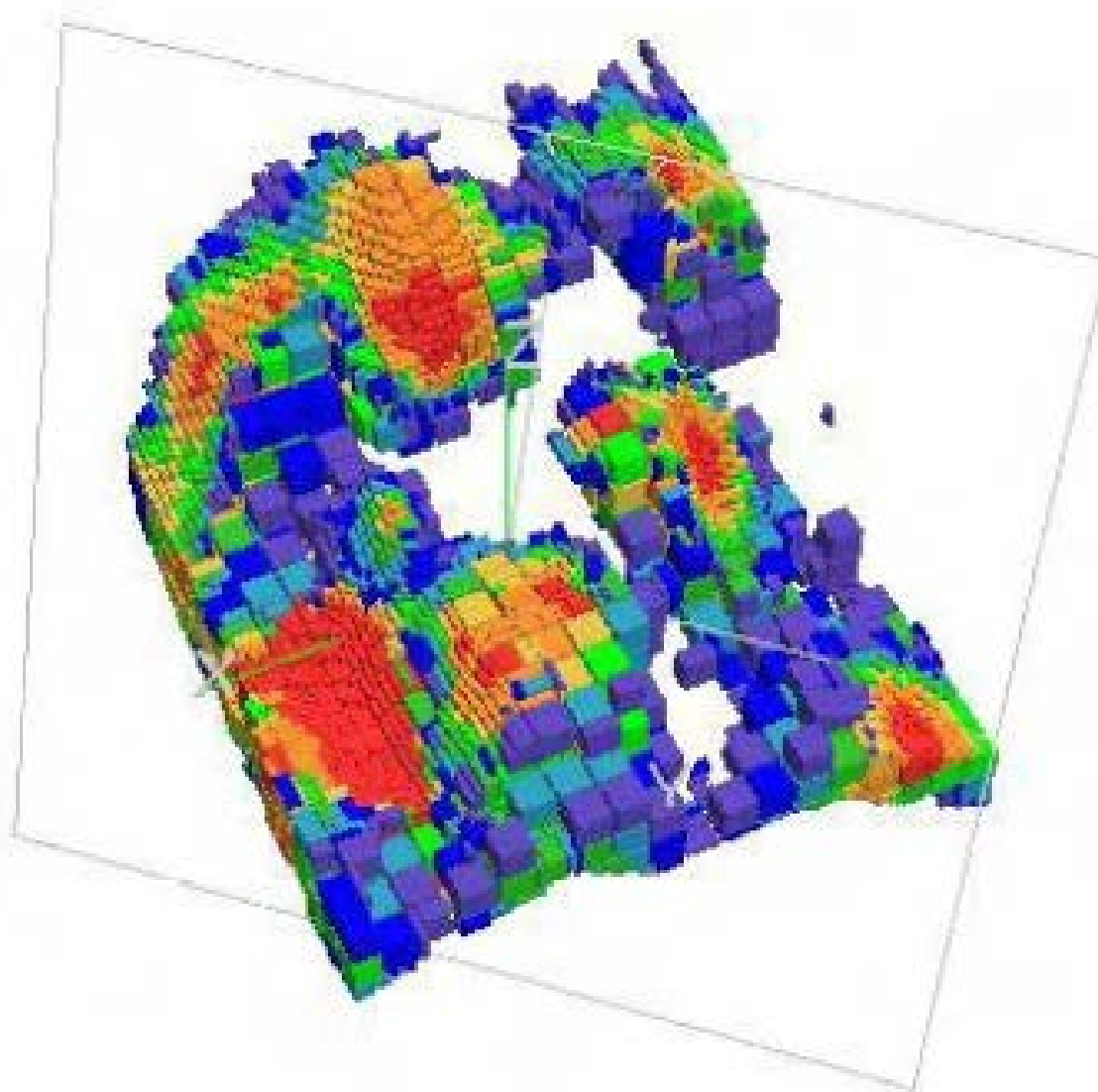


Slika 5.1.18

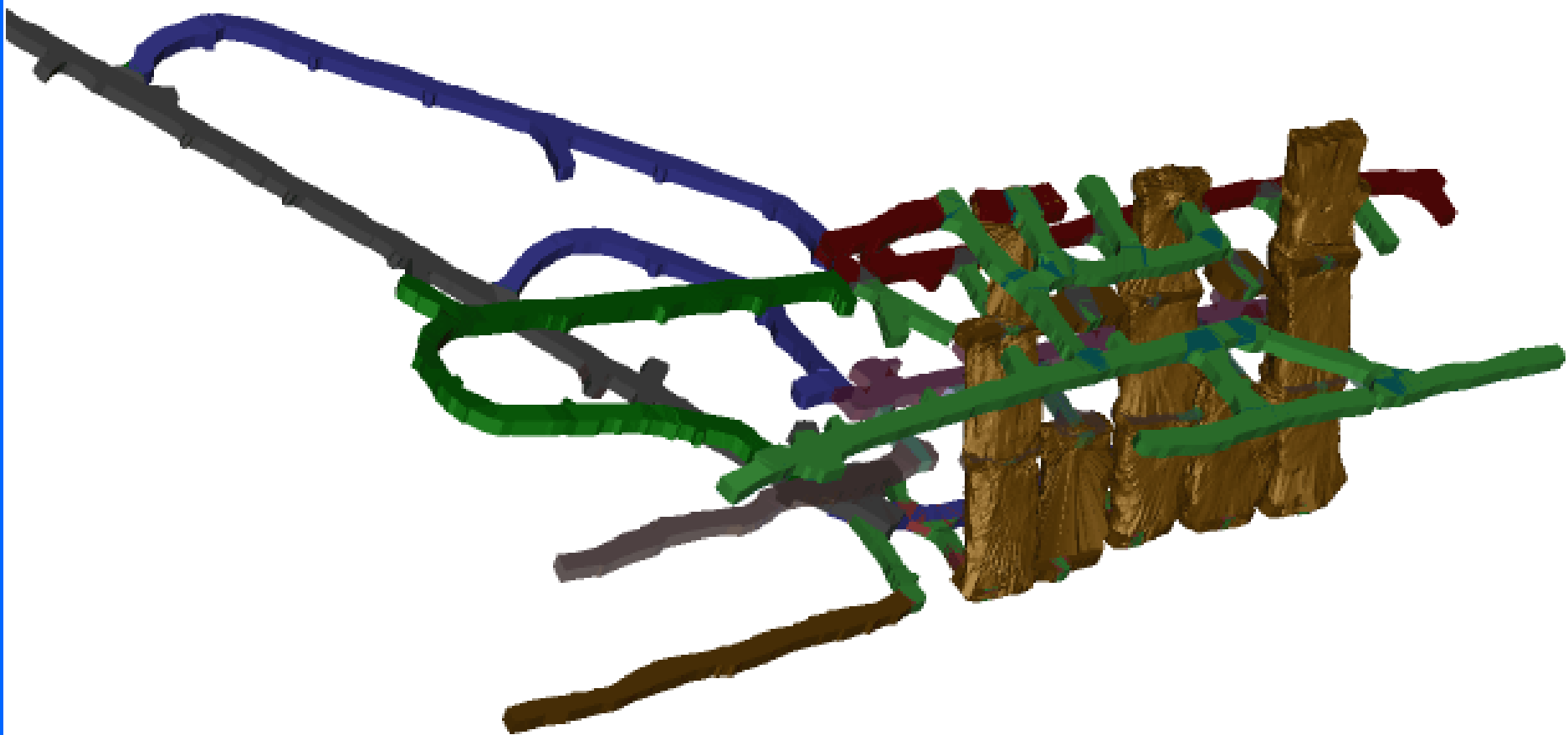
Optimalne konture površinskog kopa s presjecima blok modela u računalnom programu WHITTLE [g]



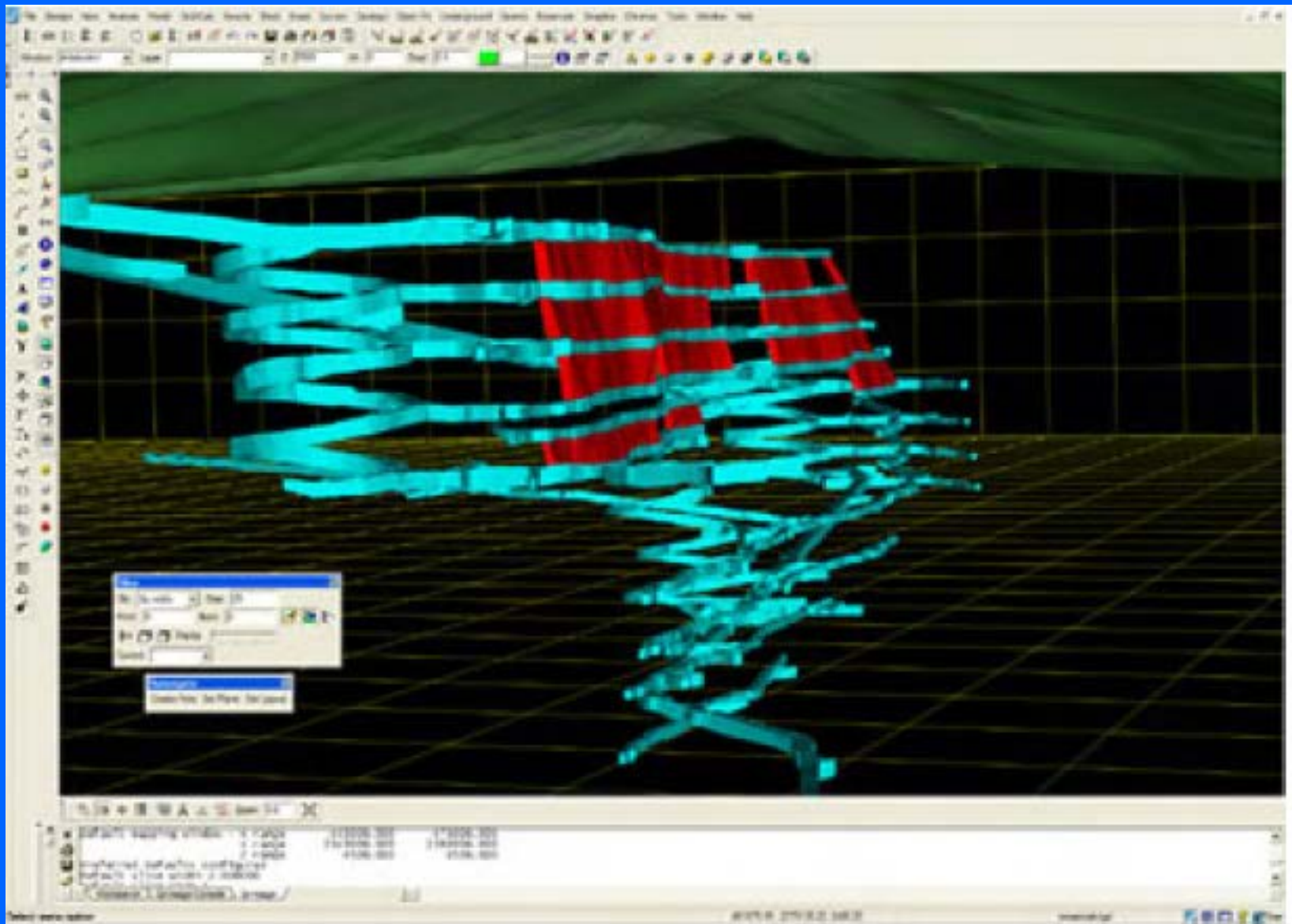
Slika 5.1.19 Blok računalni model ležišta Goukoto s prikazom optimalne konture površinskog kopa [d]



Slika 5.1.20 Detaljni blok model prikazan u programu Datamine STUDIO 3



Slika 5.1.21 Žični računalni model s prikazom rudnog tijela i podzemnih prostorija u računalnom programu Gemcom GEMS [c]



Slika 5.1.22 . Detalj projektiranja podzemnih prostorija u računalnom programu VULCAN [h]