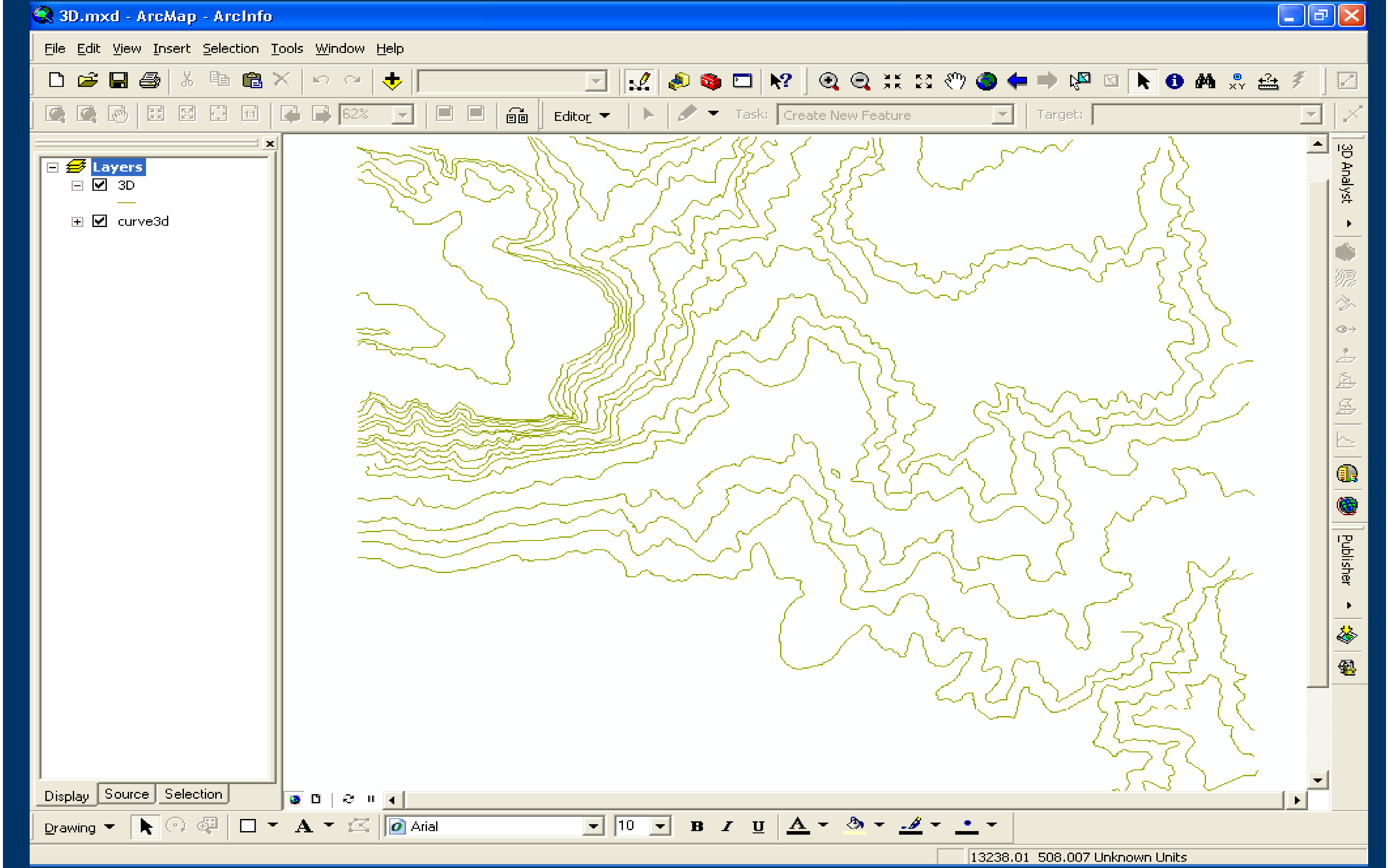
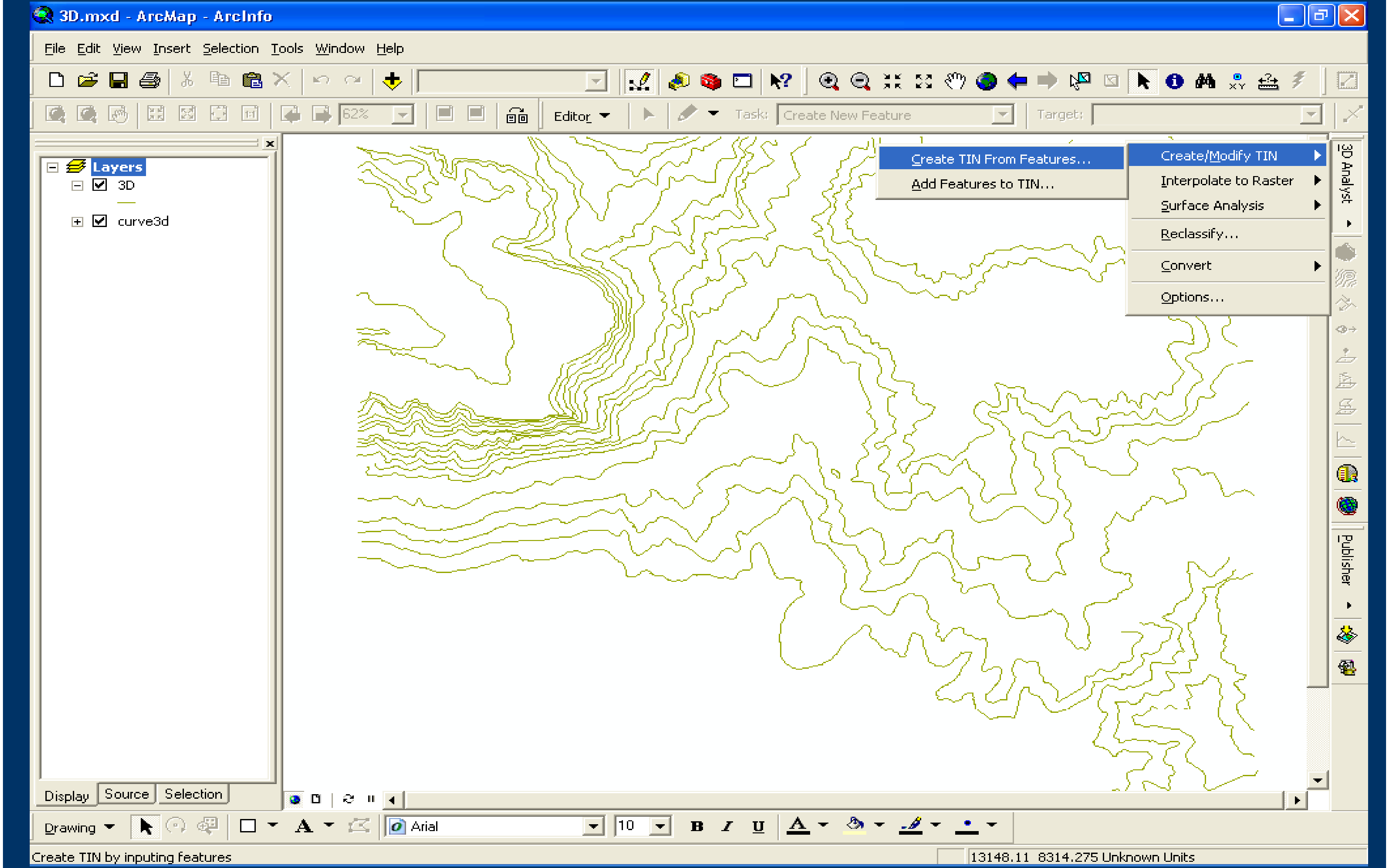
Redazione del DEM e del TIN

Sia il DEM che il TIN sono ancora dei GIS quindi includono tutte le funzionalità viste in precedenza (query, interattività, stampa, etc)

Vettorializzazione delle curve di livello


3D.mxd - ArcMap - ArcInfo
File Edit View Insert Selection Tools Window Help
62%
Editor
Task: Create New Feature
Target:
Layers
3D
curve3d
Display Source Selection
Drawing
Arial
10
B I U
3D Analyst
Publisher
13238.01 508.007 Unknown Units

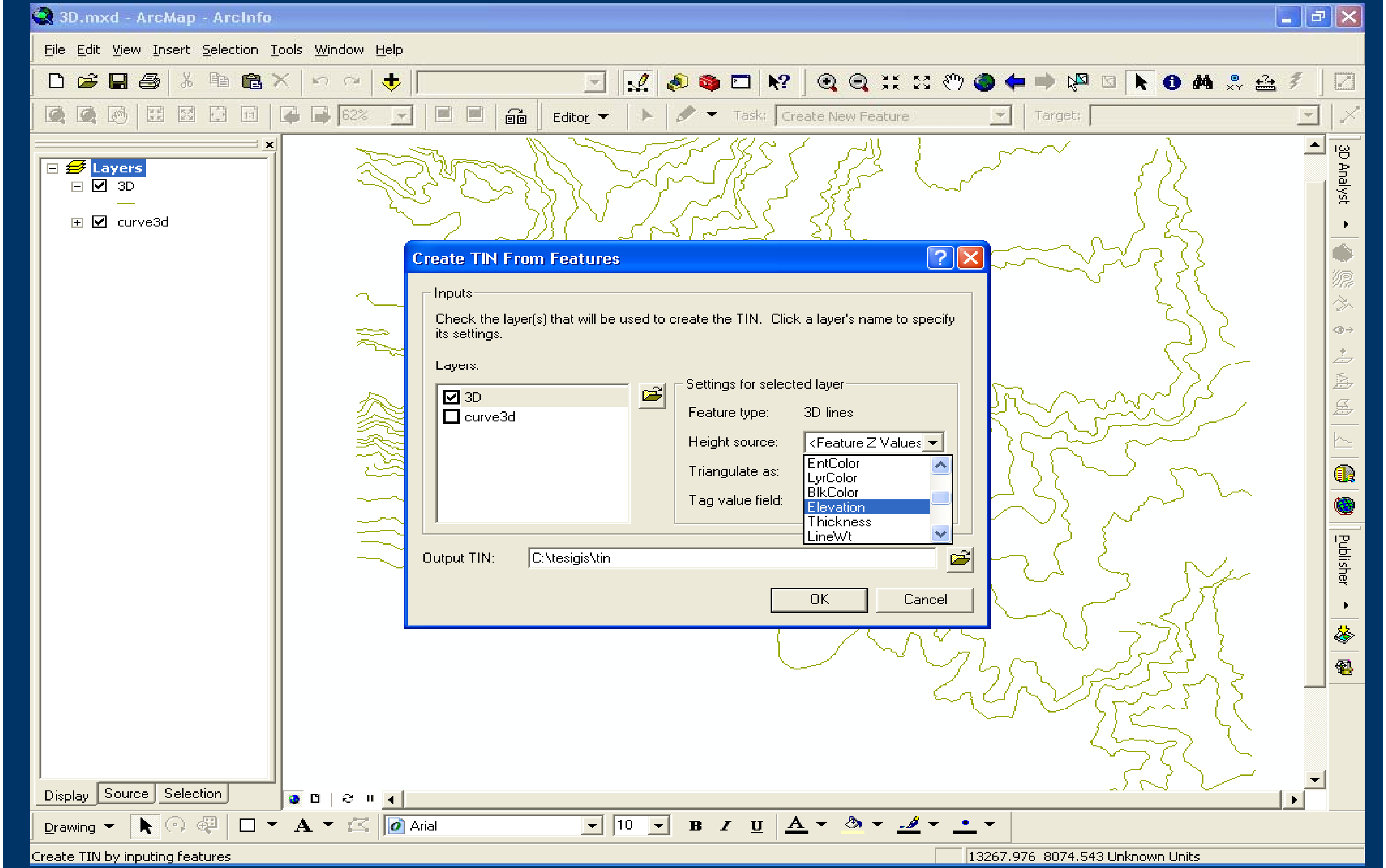
Conversione da 2D in 3D


3D.mxd - ArcMap - ArcInfo
File
Edit
View
Insert
Selection
Tools
Window
Help
62%
Editor
Task:
Create New Feature
Target:
Layers
3D
curve3d
Display
Source
Selection
Create TIN From Features...
Add Features to TIN...
Create/Modify TIN
Interpolate to Raster
Surface Analysis
Reclassify...
Convert
Options...
3D Analyst
Publisher
Drawing
Arial
10
B
I
U

Create TIN by inputing features

13148.11 8314.275 Unknown Units

Selezione del campo “Elevation”



3D.mxd - ArcMap - ArcInfo

Create TIN From Features

Inputs

Check the layer(s) that will be used to create the TIN. Click a layer's name to specify its settings.

Layers:

☑ 3D
☐ curve3d

Settings for selected layer

Feature type: 3D lines

Height source: <Feature Z Values

- EntColor
- LyrColor
- BlkColor
- Elevation
- Thickness
- LineWt

Triangulate as:

Tag value field:

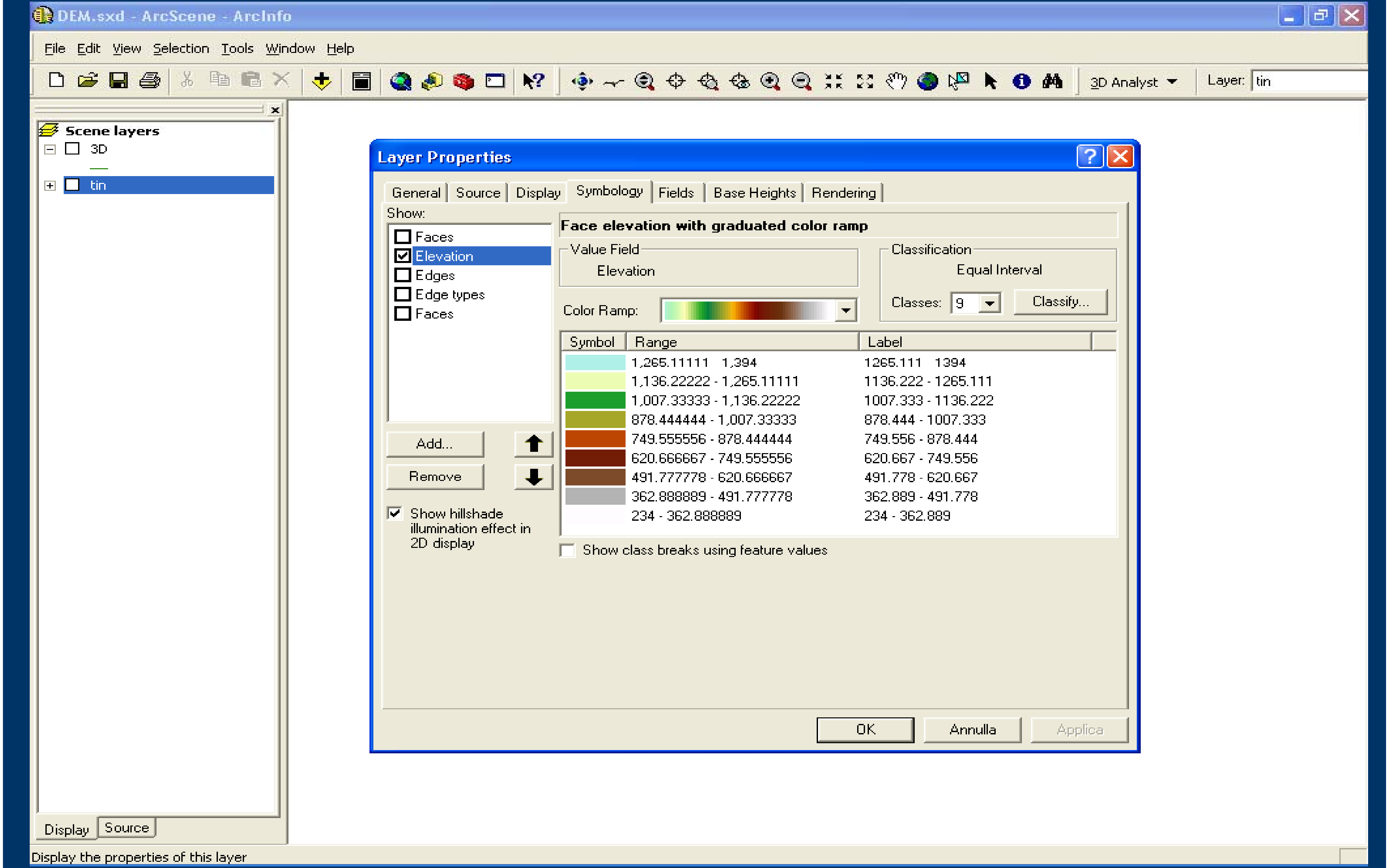
Output TIN: C:\tesigis\tin

Create TIN by inputing features

13267.976 8074.543 Unknown Units

File
Edit
View
Insert
Selection
Tools
Window
Help
62%
Editor
Task:
Create New Feature
Target:
Layers
3D
curve3d
Display
Source
Selection
Drawing
Arial
10
B
I
U
3D Analyst
Publisher
OK
Cancel

Selezione della visualizzazione DEM



DEM.sxd - ArcScene - ArcInfo
File Edit View Selection Tools Window Help
3D Analyst
Layer: tin
Scene layers
3D
tin
Display
Source

Layer Properties

General
Source
Display
Symbology
Fields
Base Heights
Rendering

Show:

- ☐ Faces
- ☑ Elevation
- ☐ Edges
- ☐ Edge types
- ☐ Faces

Face elevation with graduated color ramp

Value Field: Elevation

Classification: Equal Interval

Color Ramp:

Classes: 9

Classify...

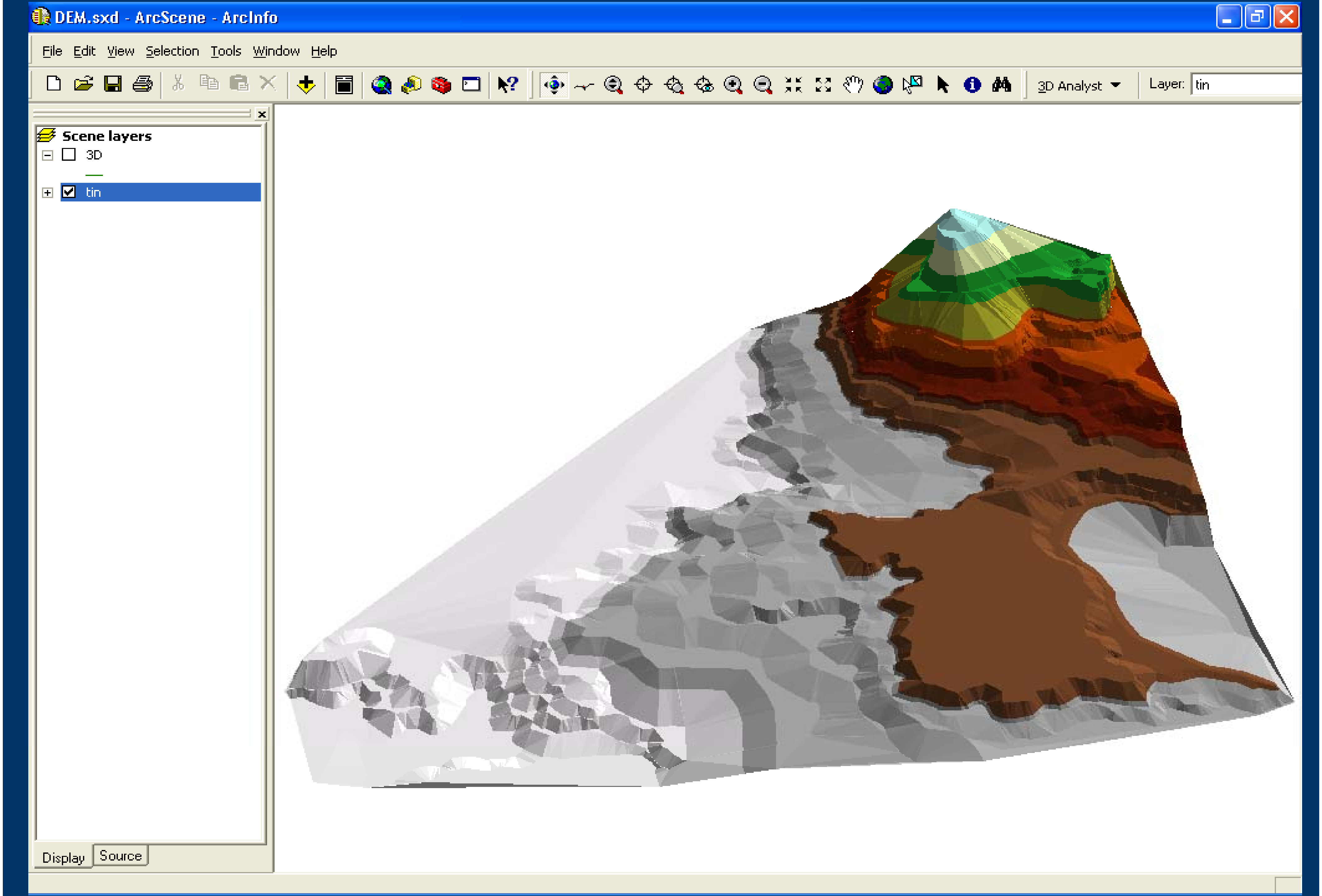
Symbol	Range	Label
🟦	1,265.11111 1,394	1265.111 1394
🟨	1,136.22222 - 1,265.11111	1136.222 - 1265.111
🟩	1,007.33333 - 1,136.22222	1007.333 - 1136.222
🟩	878.444444 - 1,007.33333	878.444 - 1007.333
🟧	749.555556 - 878.444444	749.556 - 878.444
🟫	620.666667 - 749.555556	620.667 - 749.556
🟫	491.777778 - 620.666667	491.778 - 620.667
⬜	362.888889 - 491.777778	362.889 - 491.778
⬜	234 - 362.888889	234 - 362.889

☑ Show hillshade illumination effect in 2D display

☐ Show class breaks using feature values

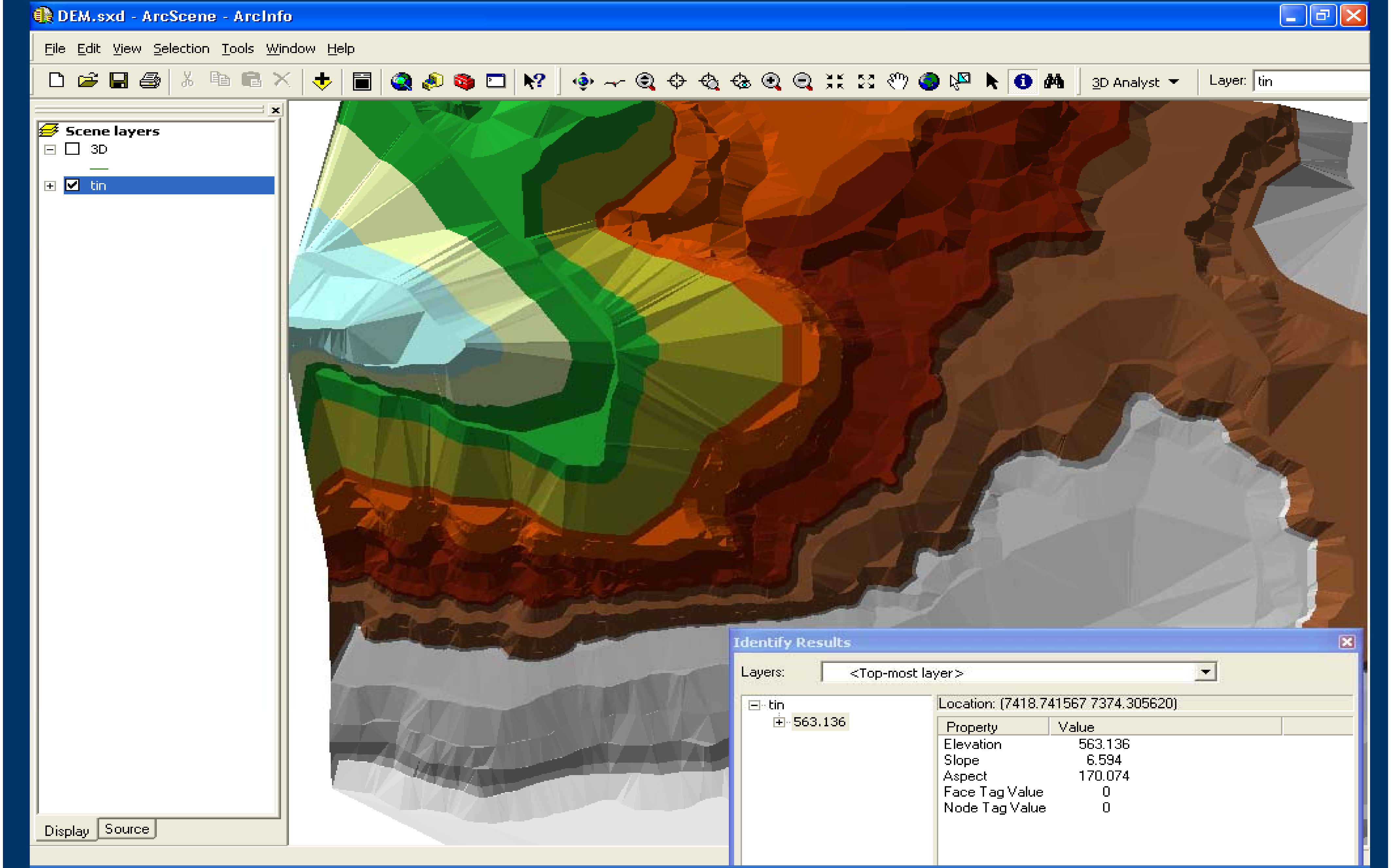
OK
Annulla
Applica

Display the properties of this layer


DEM.sxd - ArcScene - ArcInfo
File Edit View Selection Tools Window Help
3D Analyst
Scene layers
3D
tin
Display
Source

Layer: tin

Query al modello DEM


DEM.sxd - ArcScene - ArcInfo
File
Edit
View
Selection
Tools
Window
Help
3D Analyst
Layer: tin
Scene layers
3D
tin
Display
Source
Identify Results

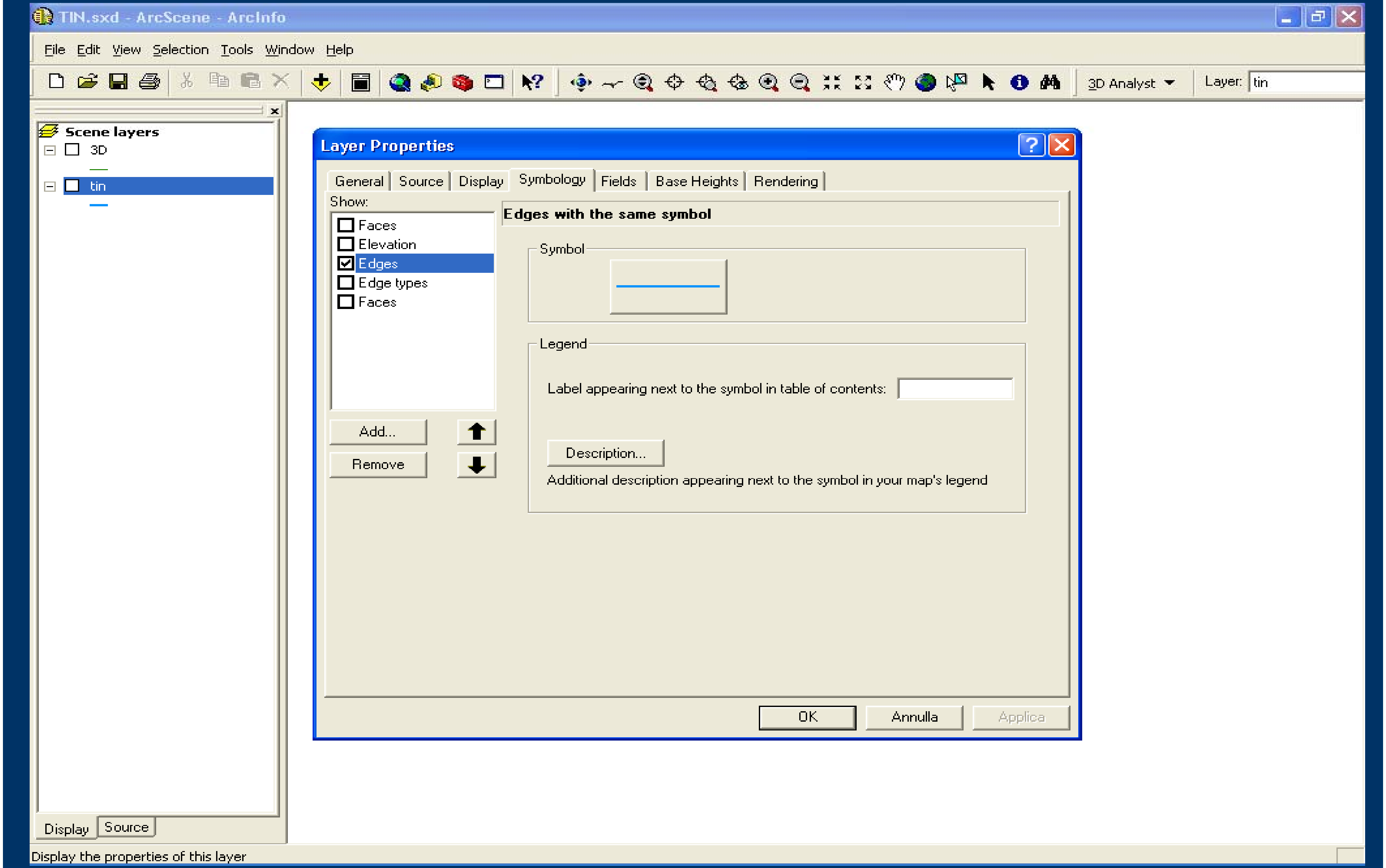
Layers: <Top-most layer>

tin
563.136

Location: (7418.741567 7374.305620)

Property	Value
Elevation	563.136
Slope	6.594
Aspect	170.074
Face Tag Value	0
Node Tag Value	0

Selezione della visualizzazione TIN



TIN.sxd - ArcScene - ArcInfo
File Edit View Selection Tools Window Help
3D Analyst
Layer: tin
Scene layers
3D
tin
Display
Source

Display the properties of this layer

Layer Properties

General
Source
Display
Symbology
Fields
Base Heights
Rendering

Show:

- ☐ Faces
- ☐ Elevation
- ☑ Edges
- ☐ Edge types
- ☐ Faces

Add...
Remove

Edges with the same symbol

Symbol

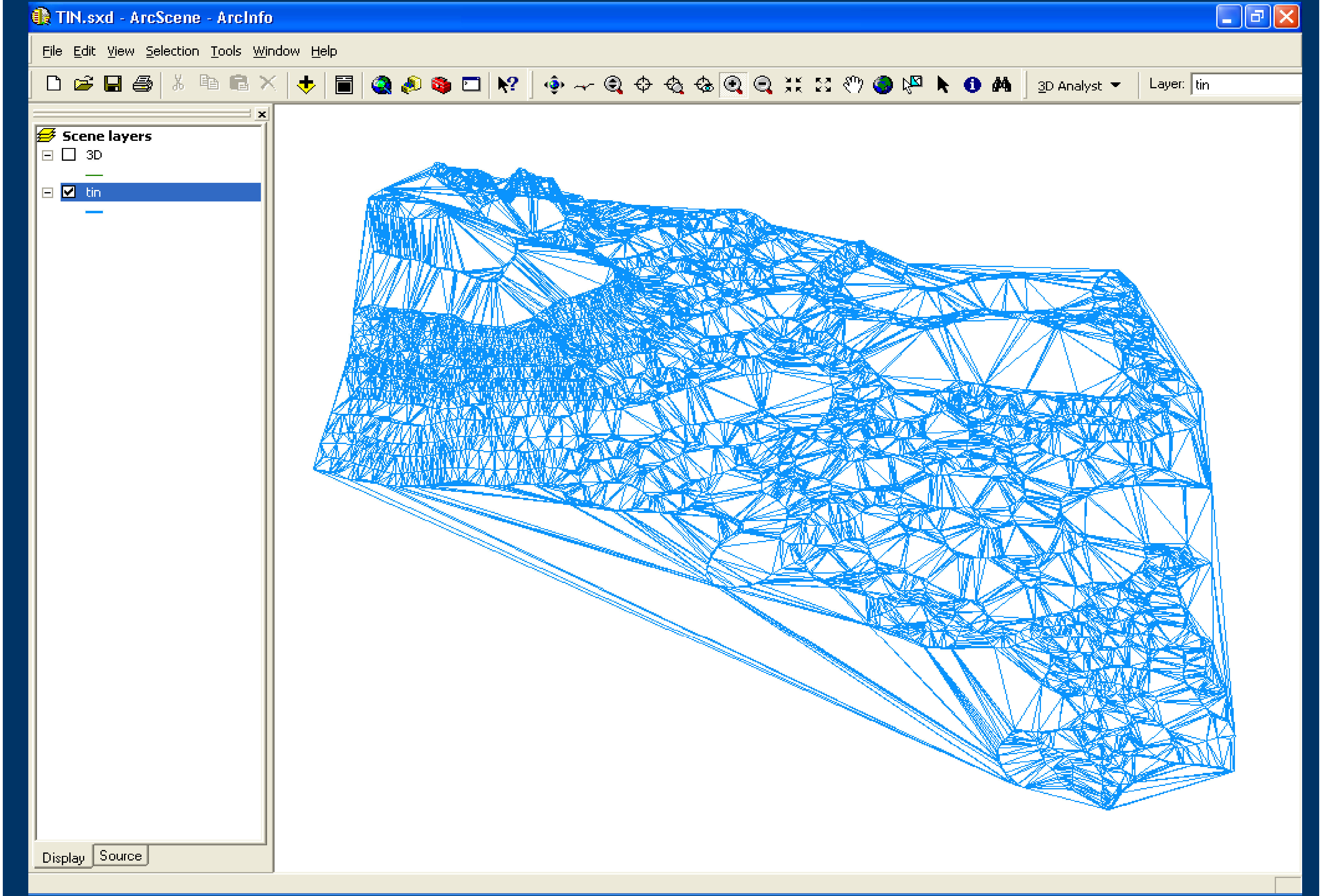
Legend

Label appearing next to the symbol in table of contents:

Description...

Additional description appearing next to the symbol in your map's legend

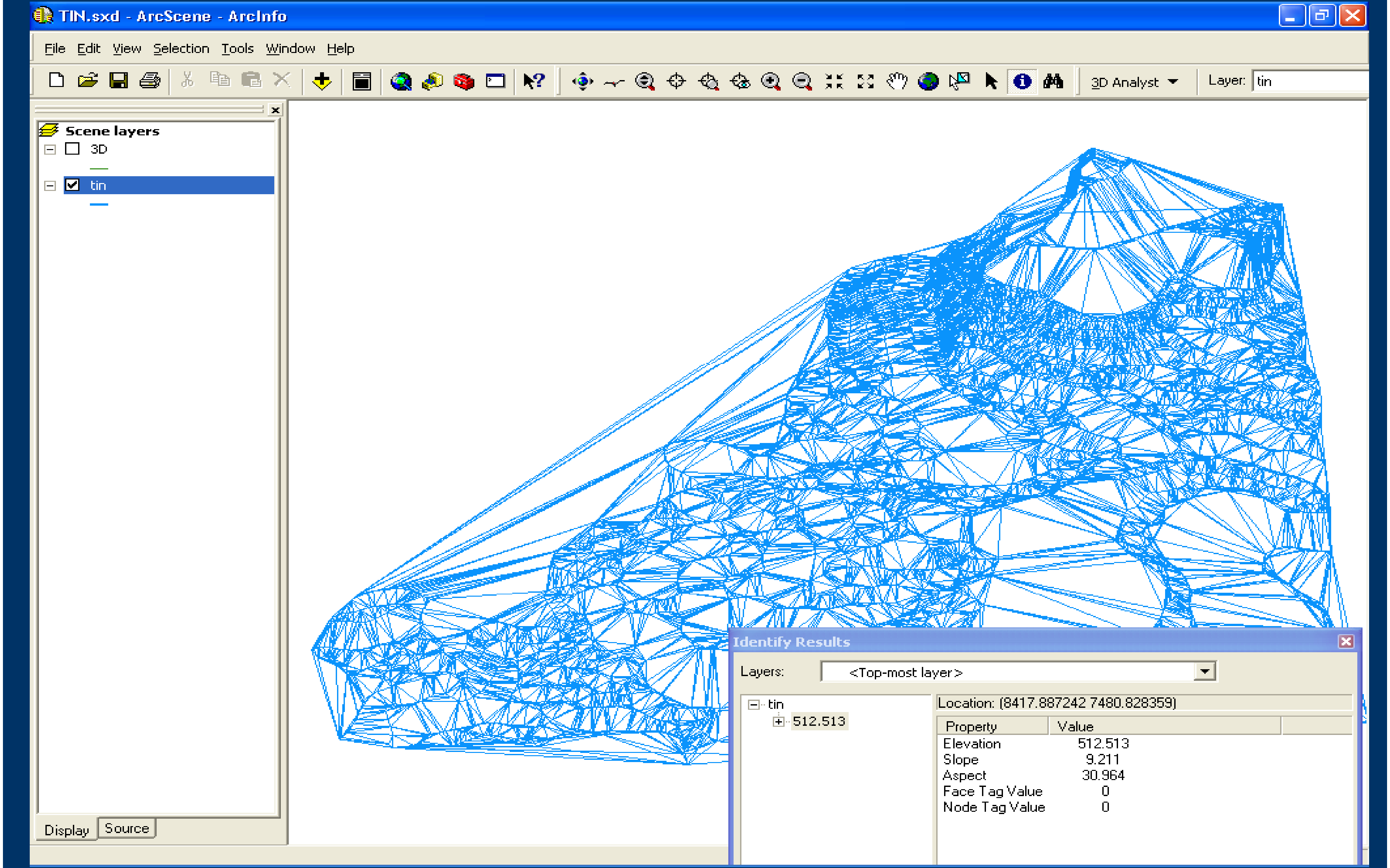
OK
Annulla
Applica


TIN.sxd - ArcScene - ArcInfo
File
Edit
View
Selection
Tools
Window
Help
3D Analyst
Display
Source

Layer: tin

Scene layers
- ☐ 3D
- ☑ tin

Query al modello TIN


TIN.sxd - ArcScene - ArcInfo
File Edit View Selection Tools Window Help
3D Analyst
Layer: tin
Scene layers
3D
tin
Display
Source
Identify Results

Layers: <Top-most layer>

- tin
  - 512.513

Location: (8417.887242 7480.828359)

Property	Value
Elevation	512.513
Slope	9.211
Aspect	30.964
Face Tag Value	0
Node Tag Value	0