

Práctica 02

CLASE SIG

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Guardar el Proyecto

DOCUMENTOS/ 2019-01 SIG/ 2019-01 SIG P02 ALMH*

* INCIALES

PROPIAS

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Desplegar una tabla en Global Mapper

- Al trabajar con Global Mapper es importante revisar que la distribución de las columnas de las coordenadas mantengan el siguiente orden: X, Y, Z, ..., N
- Por lo cual es importante que se revise las tablas antes de empezar cualquier importación.
- Es importante cambiar la extensión el formato de la tabla a CSV ó TXT.

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5		573874	3340281	739.00	SNR-005			
6		572575	3337274	739.60	SNR-006			
7		572286	3334584	719.50	SNR-007			
8		572519	3332088	713.00	SNR-008			
9		572423	3329933	702.30	SNR-009			
10	574278		3325079	684.39	SNR-010			
11		571118	3324048	719.00	SNR-011			
12		574910	3323983	678.00	SNR-012			
13		576433	3317414	649.26	SNR-014			
14		575964	3313833	637.90	SNR-015			
15	569217		3312775	679.00	SNR-017			
16	575678		3311177	629.80	SNR-019			
17		574498	3306208	613.80	SNR-020			
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21		580461	3289055	560.00	SNR-025			
22		585815	3286726	619.50	SNR-026			
23		580972	3285710	540.00	SNR-027			
24		582829	3282439	539.00	SNR-028			
25		583751	3279773	522.70	SNR-029			
26		584154	3277174	517.08	SNR-030			
27		585018	3275261	519.80	SNR-031			
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4		2624 1	río sonora aprov	2013 (+)				



Para abrir las tablas se pueden usar las siguientes vías







File Open Generic Text File(s)

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Como se trata de un caso de puntos se selecciona la primera opción y el resto por default

Generic ASCII Text File Import Options (coordenadas 2624 río	Proyección y zona adecuada				
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Coordinate Order: X / Easting / Longitude Coordinate First Coordinate Format: Default (Decimal or Separated) Coordinate Format: Default (Decimal or Separated) Coordinate Layout Fields to Skip at Start of Line: 0 Rows to Skip at Start of File: 0 Coordinate Pairs Per Line: 1 Coordinate Line Prefix One. Coordinates appear immediately at the start of any lines in the text file that they appear in. All coordinate lines begin with the text string specified below. © For example, some ASCII formats may begin a coordinate line with XY. Select Coordinate Offset/Scale V Use Selected Options for All ASCII Files	Tab Feature Classification Assign Loaded Area Features the Classification: Unclassified Line Features the Classification: Unknown Point Features Assign Loaded Lidar Samples the Classification: O - Created, never classified Include attributes from lines with coordinate data Column headers in first row of file (points/WKT only) Treat 3rd coordinate values 4-8 as fly-through path data Break Line/Area Features on Change in Field Break Field is Pen Up/Down (0/1) Create Areas from Closed Lines	Projection Projection Projection: UTM Load From File Save To File Load From File Save To File Load From File Save To File Load From File Save To File Load From File Save To File Add Datum Planar Units: METERS Parameters:			
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 Use Selected Projection for All Selected Files

 5
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Ruscar.

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GlobalMapper

La información desplegada deberá de verse de esta manera





Editar los puntos de la tabla importados







Explorar los distintos estilos que se tienen para el despliegue de los puntos



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Exportar tabla a formato kmz, shp y dwg









Despliegue en Google Earth





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Formato SHP

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Color Lidar by RGB/Elev

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Generate Multi-Patch Features for Areas

q

Save Feature Elevations as Measures (i.e. PolyLineM) Generate Side Areas for Extruded 3D Areas (i.e. Buildings

OK

Cancel

Global Mapper

Ocultar carpetas

SNR-046

SNR-068 SNR-044

Help

SNR-030

SNR-037

SNR 0362

SNR-032

8

Guardar

Cancelar

Despliegue en ArcGIS









Despliegue en Autocad



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Para descargar la Modelo de Elevación Digital MED



IMPORTANT NOTE: These data sources are on external servers that we have no control over. The data may draw/export very slowly or become unavailable at any time. We have no control over this.

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Obtenemos:







Generación de curvas de nivel





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Es importante verificar que los atributos de la columna de elevación se mantengan con datos numéricos. Si esto no ocurre es muy probable que cuando se exporten estos contornos a otro software p.e. ArcGIS no se puedan elaborar procesos como generación de TIN o RASTER

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Al generase las contornos procederemos a convertir un archivo SHAPEFILE Debemos darle clik derecho al archivo de GENERATED CONTOURS para que se despliegue la ventana 1



Una vez exportado el SHP se puede desplegar en ArcGIS o en otro software de SIG



Nota:

Las curvas de nivel también pueden ser exportadas en KMZ, DWG, DXF, etcétera, según las necesidades del proyecto.





Archivos a enviar en una carpeta comprimida con el nombre de 2019-01 SIG P02 ALMH*

- KMZ de los aprovechamientos y de las curvas de nivel
- SHP de los aprovechamientos y de las curvas de nivel

• * LAS INICIALES PROPIAS



EDICIÓN DE PLANO

La edición se realizara en clase



