



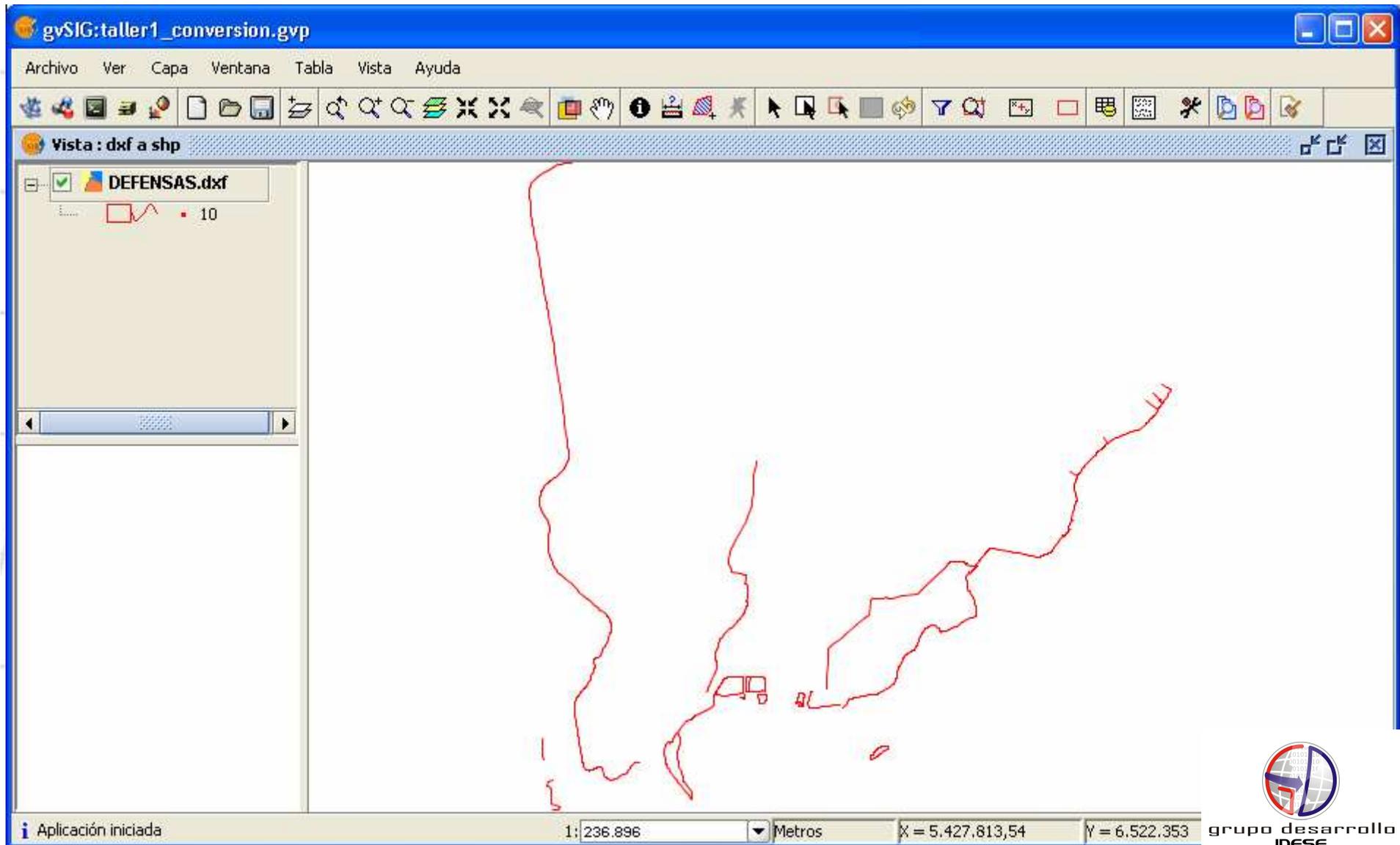
Conversión de archivos *dxf, dwg, dgn a shp* utilizando gvSIG

1er Taller – “IG: conversión entre distintos formatos SIG”
SANTA FE, 20 de noviembre de 2009



gvSIG - dxf a shp

dxg a shp – Capa defensas (dxg)



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dxg a shp" panel on the left shows a layer named "DEFENSAS.dxf" with a red line symbol and a value of "10". The main map area displays a red boundary layer on a white background. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 236.896", units of "Metros", and coordinates "X = 5.427,813,54" and "Y = 6.522.353".



dxf a shp – Tabla de atributos

gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Tabla Campo Vista Ayuda

Tabla: Tabla de atributos: DEFENSAS.dxf

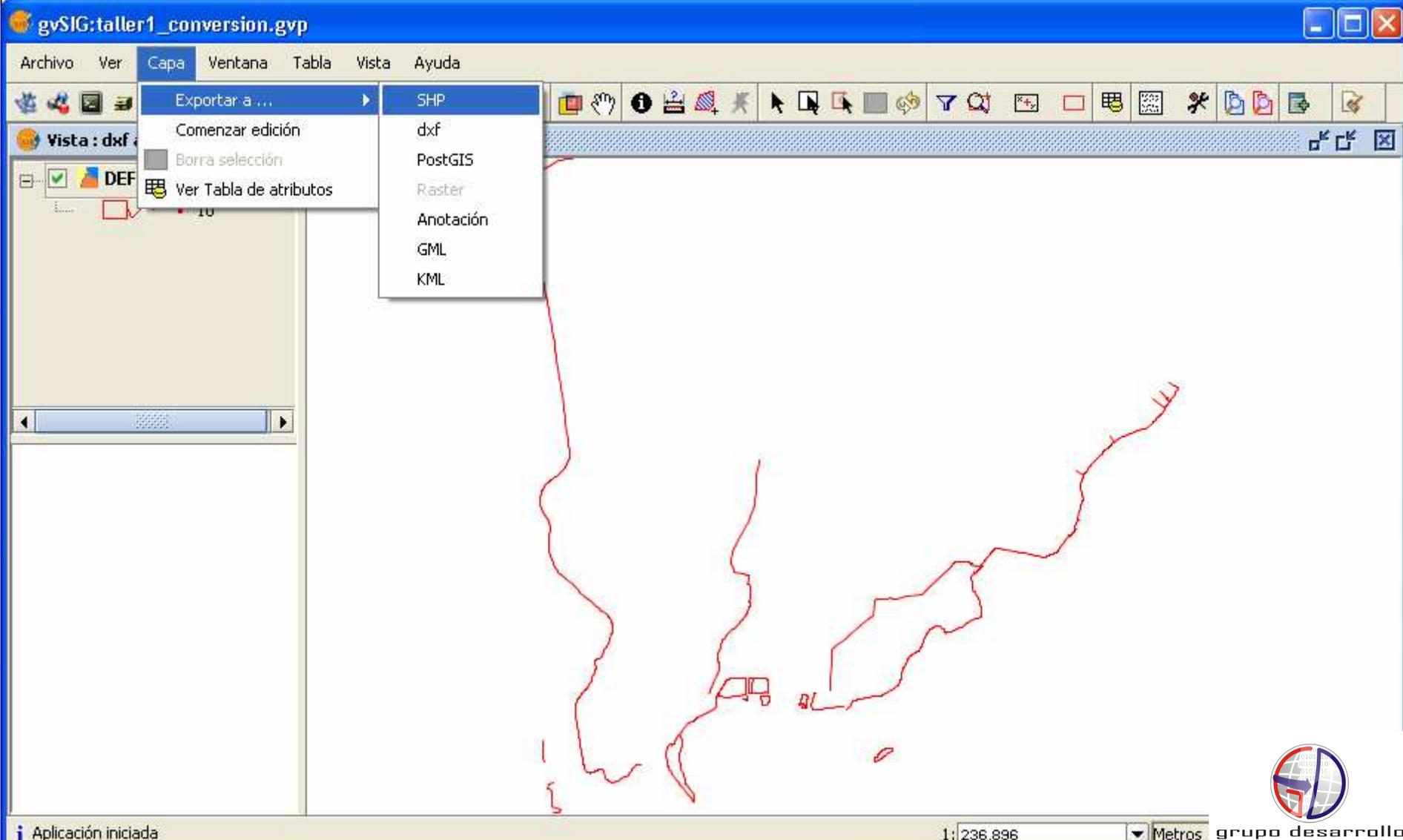
ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationText
0	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
1	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
2	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
3	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
4	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
5	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
6	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
7	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
8	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
9	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
10	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
11	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
12	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
13	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
14	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
15	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
16	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
17	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
18	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
19	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
20	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
21	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
22	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
23	FPolygon2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
24	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0

0 / 31 Total registros seleccionados.

Aplicación iniciada Metros X = 5.450.252,55 Y = 6.522.353



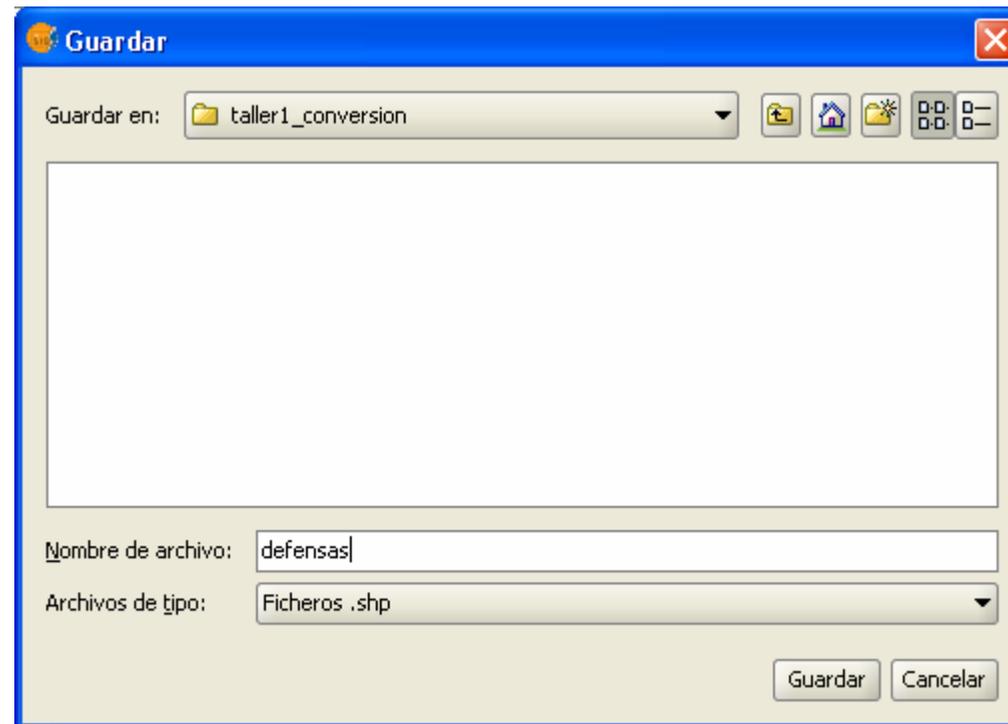
dxg a shp – Capa/Exportar a.../SHP



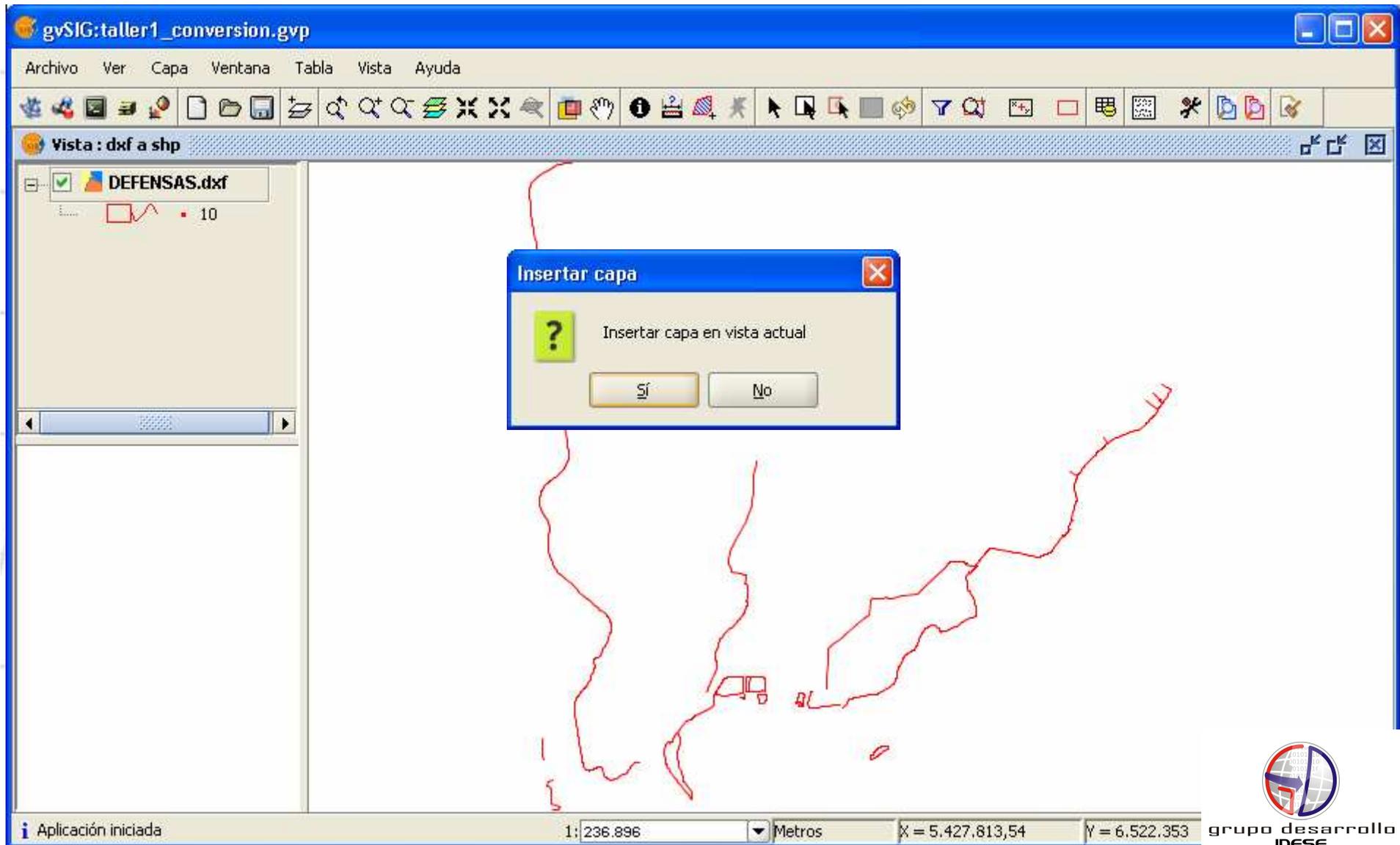
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The "Capa" menu is open, showing options: "Exportar a ...", "Comenzar edición", "Borra selección", and "Ver Tabla de atributos". The "Exportar a ..." sub-menu is also open, listing "SHP", "dxg", "PostGIS", "Raster", "Anotación", "GML", and "KML". The "SHP" option is highlighted. The main map area displays a red line representing a layer. The status bar at the bottom shows "Aplicación iniciada", a scale of "1:236.896", and "Metros".



dxg a shp – Archivo de Salida (shp)

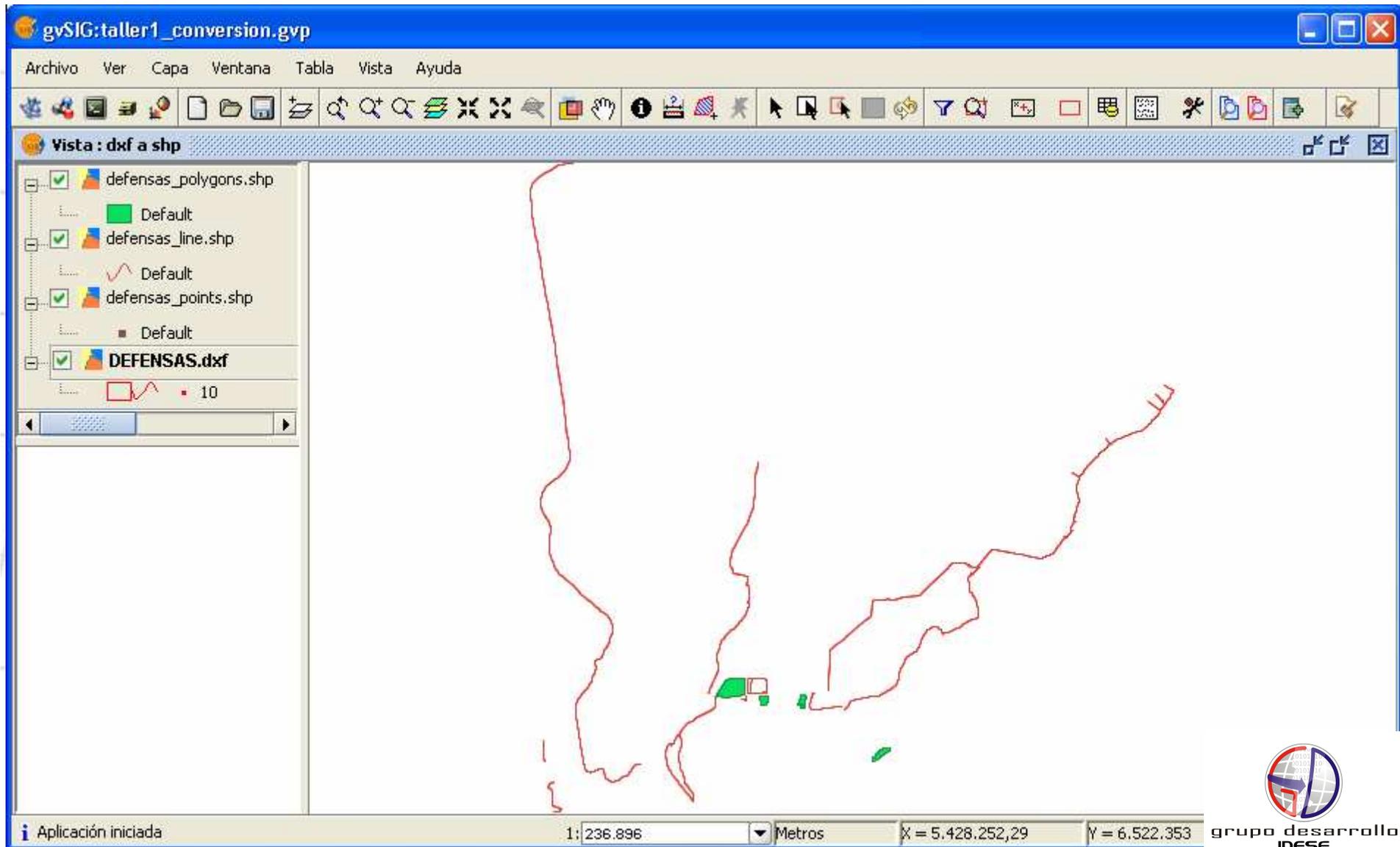


dxg a shp – Capa defensas (shp)



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various icons for file operations, navigation, and editing. The main window displays a map with red lines representing a layer. A dialog box titled "Insertar capa" is open, asking "Insertar capa en vista actual" with "Sí" and "No" buttons. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 236.896", units of "Metros", and coordinates "X = 5.427.813,54" and "Y = 6.522.353".

dxg a shp – Capa defensas (shp)



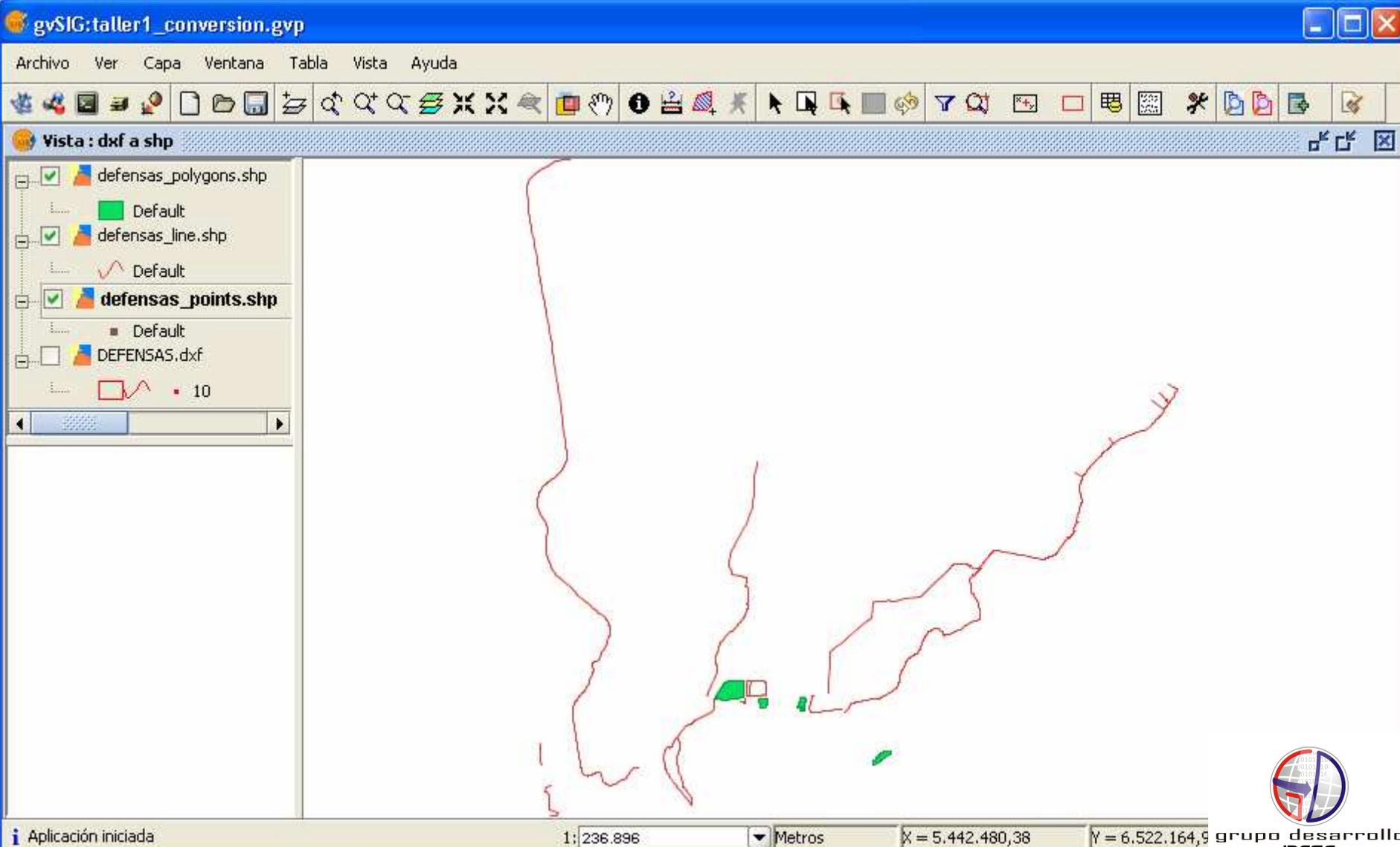
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dxg a shp" panel on the left lists the following layers:

- defensas_polygons.shp (Default)
- defensas_line.shp (Default)
- defensas_points.shp (Default)
- DEFENSAS.dxf (10)

The main map area displays a red line representing a defense boundary and several green polygons representing defense structures. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 236.896", units in "Metros", and coordinates "X = 5.428.252,29" and "Y = 6.522.353".



dxg a shp – Capa defensas (shp)



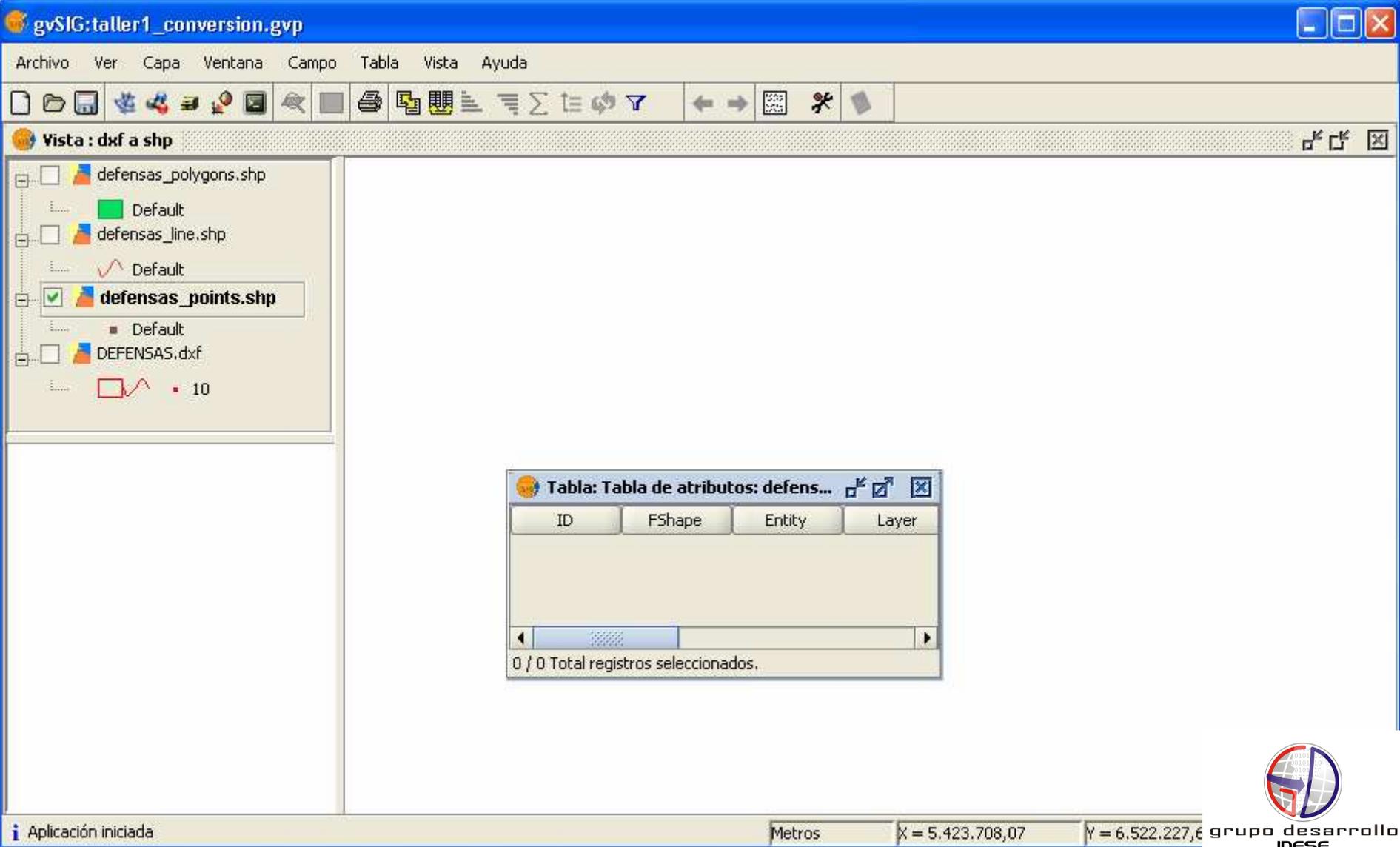
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dxg a shp" window shows a map with several layers:

- defensas_polygons.shp (Default)
- defensas_line.shp (Default)
- defensas_points.shp (Default)
- DEFENSAS.dxf (10)

The map displays a red outline of a region, with several green polygons and red points overlaid. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 236.896", units in "Metros", and coordinates "X = 5.442.480,38" and "Y = 6.522.164,9".



dxg a shp – Capa defensas puntos



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Campo", "Tabla", "Vista", and "Ayuda". The toolbar contains various icons for file operations, navigation, and editing. The left sidebar, titled "Vista : dxg a shp", shows a layer list with the following items:

- defensas_polygons.shp (Default)
- defensas_line.shp (Default)
- defensas_points.shp** (Default) - This layer is selected with a green checkmark.
- DEFENSAS.dxf (10)

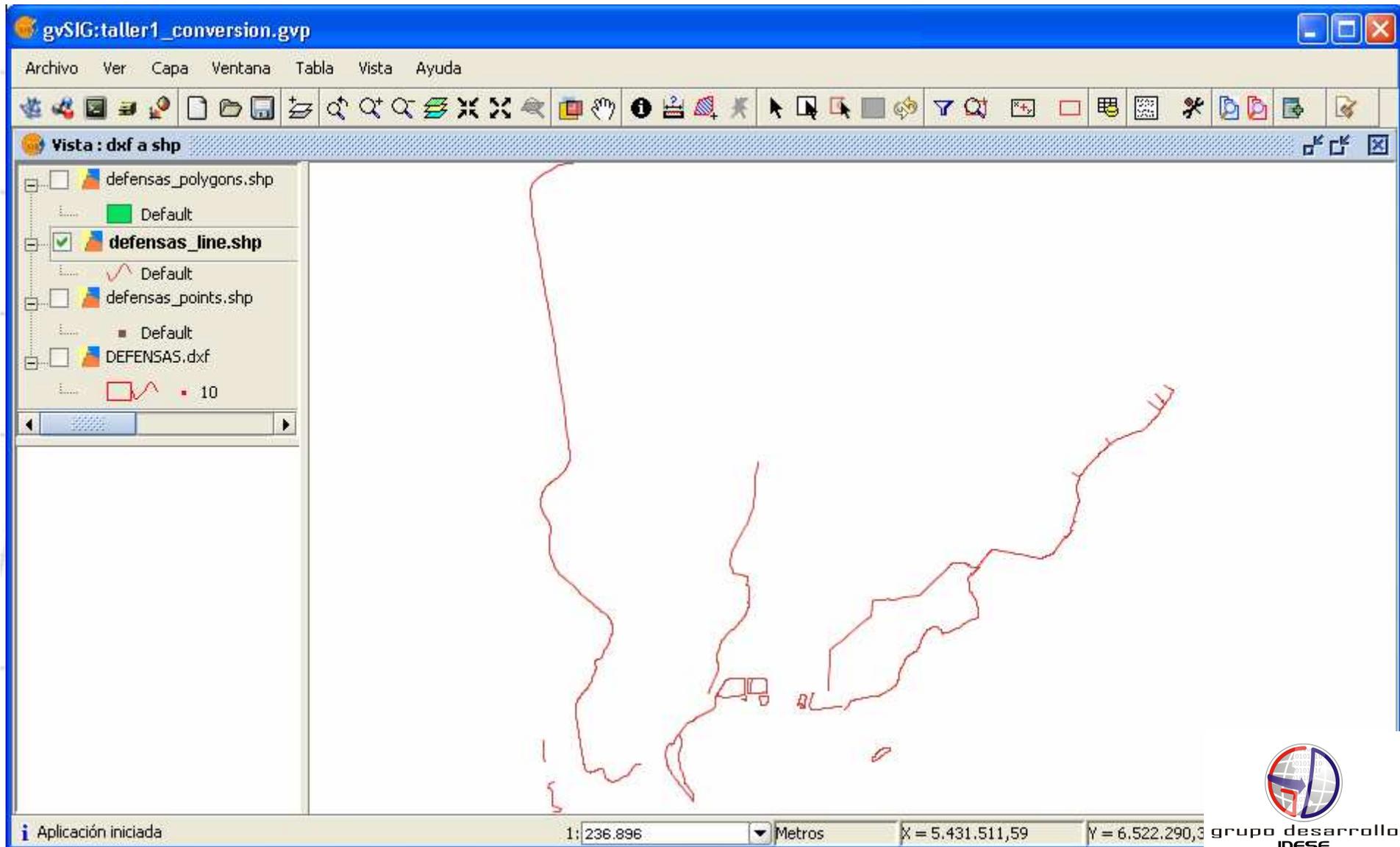
In the center of the main workspace, a window titled "Tabla: Tabla de atributos: defens..." is open. It displays an attribute table with the following columns:

ID	FShape	Entity	Layer
----	--------	--------	-------

At the bottom of the table window, it indicates "0 / 0 Total registros seleccionados." The status bar at the bottom of the application shows "Aplicación iniciada", "Metros", and coordinates "X = 5.423.708,07" and "Y = 6.522.227,6".



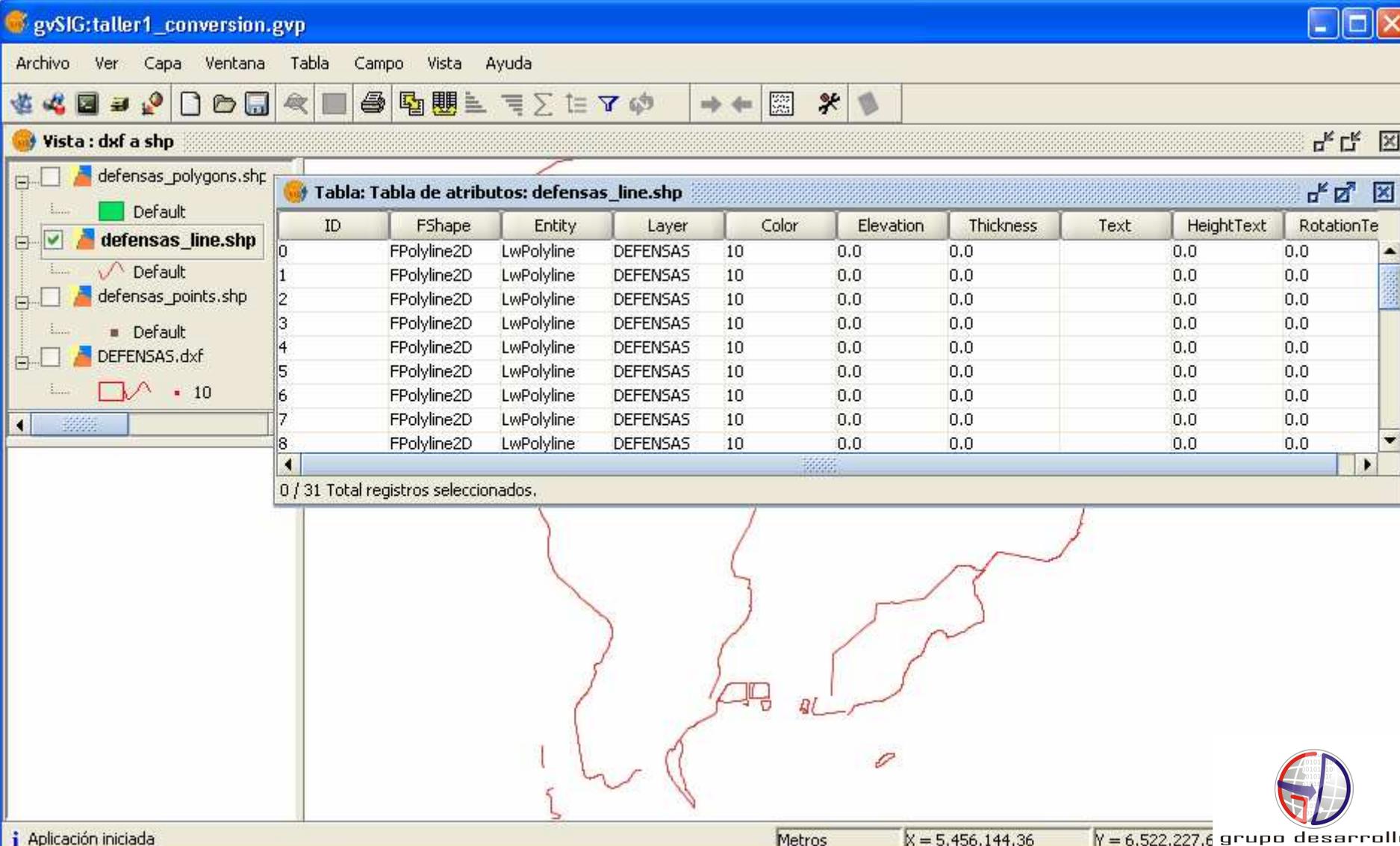
dxg a shp – Capa defensas líneas



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dxg a shp" panel on the left lists layers: "defensas_polygons.shp", "defensas_line.shp" (checked), "defensas_points.shp", and "DEFENSAS.dxf". The main map area displays a red line representing a defense line. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 236.896", units in "Metros", and coordinates "X = 5.431.511,59" and "Y = 6.522.290,3".



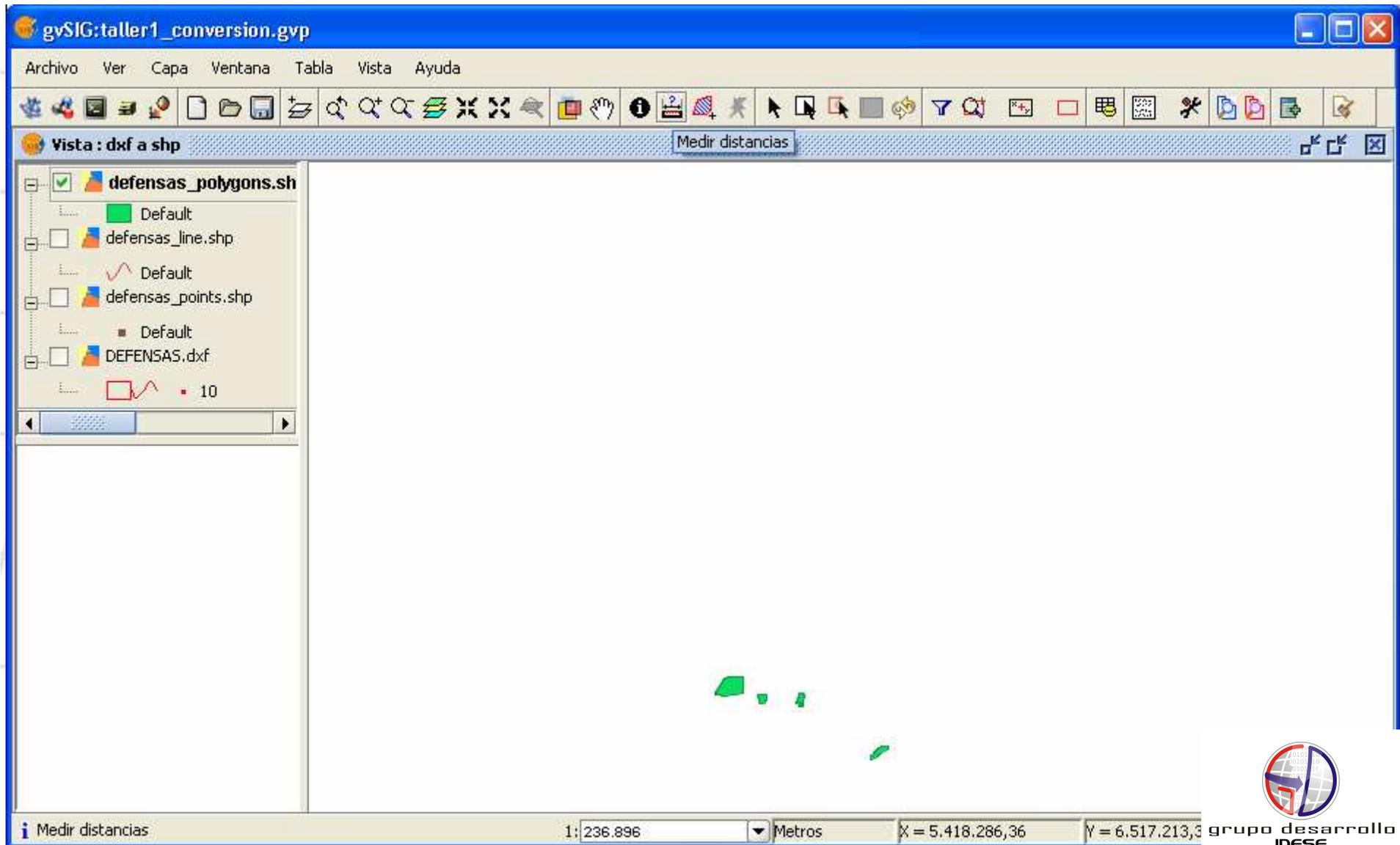
dxg a shp – Capa defensas líneas



The screenshot shows the gvSIG software interface. The title bar reads 'gvSIG:taller1_conversion.gvp'. The menu bar includes 'Archivo', 'Ver', 'Capa', 'Ventana', 'Tabla', 'Campo', 'Vista', and 'Ayuda'. The toolbar contains various icons for file operations, navigation, and editing. The 'Vista: dxg a shp' panel on the left shows a tree view with layers: 'defensas_polygons.shp', 'defensas_line.shp' (checked), 'defensas_points.shp', and 'DEFENSAS.dxf'. The 'Tabla: Tabla de atributos: defensas_line.shp' window is open, displaying a table with 10 columns: ID, FShape, Entity, Layer, Color, Elevation, Thickness, Text, HeightText, and RotationTe. The table contains 9 rows of data, all with 'DEFENSAS' in the Layer column. Below the table, it indicates '0 / 31 Total registros seleccionados.' The map view at the bottom shows a geographical area with red lines representing the 'defensas_line.shp' layer. The status bar at the bottom left shows 'Aplicación iniciada', and the bottom right shows 'Metros', 'X = 5.456.144,36', and 'Y = 6.522.227,6'.

ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationTe
0	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
1	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
2	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
3	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
4	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
5	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
6	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
7	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
8	FPolyline2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0

dxg a shp – Capa defensas polígonos



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various icons for file operations, navigation, and editing. The main window title is "Vista : dxg a shp" and it includes a "Medir distancias" button. On the left, the layer list shows:

- defensas_polygons.sh
 - Default
- defensas_line.shp
 - Default
- defensas_points.shp
 - Default
- DEFENSAS.dxf
 - 10

The map area displays several green polygons. The status bar at the bottom shows "Medir distancias", a scale of "1: 236.896", units in "Metros", and coordinates "X = 5.418.286,36" and "Y = 6.517.213,3".



dxg a shp – Capa defensas polígonos

gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Tabla Campo Vista Ayuda

Vista : dxg a shp

- defensas_polygons.sh
 - Default
- defensas_line.shp
 - Default
- defensas_points.shp
 - Default
- DEFENSAS.d...

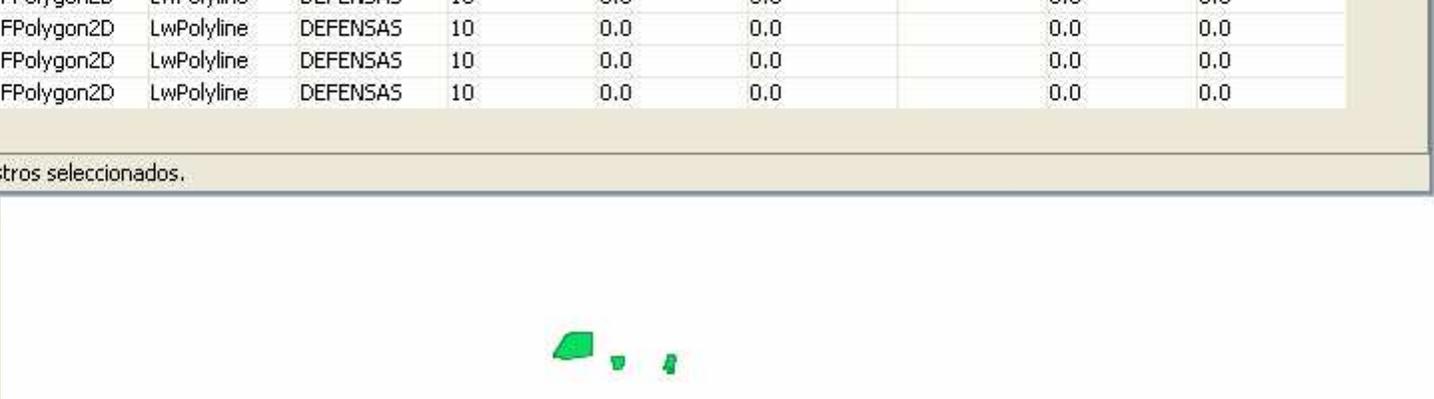
Tabla: Tabla de atributos: defensas_polygons.shp

ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationTe
23	FPolygon2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
25	FPolygon2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
26	FPolygon2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0
28	FPolygon2D	LwPolyline	DEFENSAS	10	0.0	0.0		0.0	0.0

0 / 4 Total registros seleccionados.

Aplicación iniciada

Metros X = 5.443.357,88 Y = 6.521.663,5

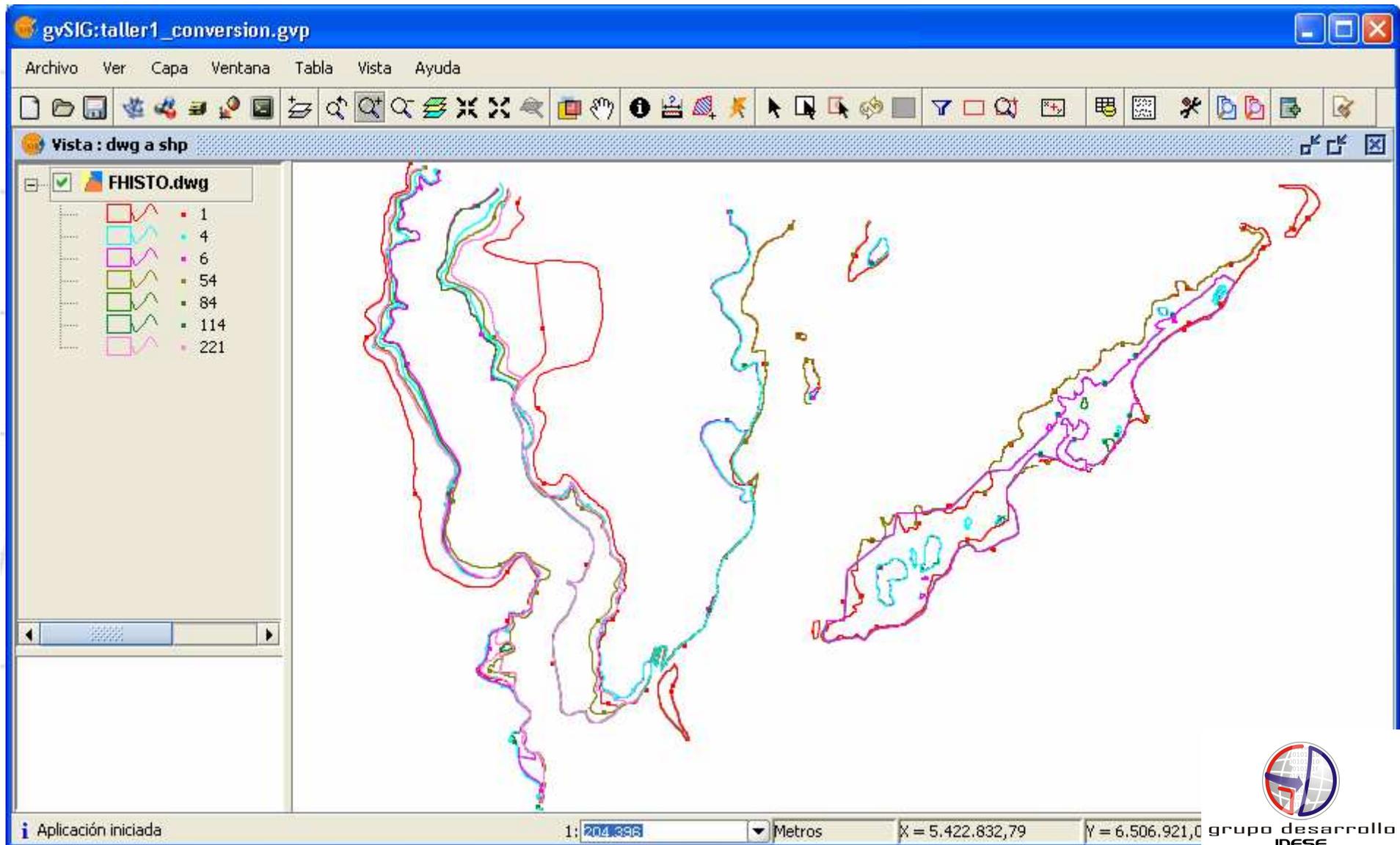




gvSIG - dwg a shp

dwg a shp

Capa líneas de riesgo históricas (dwg)



The screenshot shows the gvSIG application window titled "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The main window displays a map with several colored lines representing historical risk lines. A legend on the left side of the map shows the following layers:

- 1
- 4
- 6
- 54
- 84
- 114
- 221

The status bar at the bottom indicates "Aplicación iniciada", a scale of "1: 204.888", units in "Metros", and coordinates "X = 5.422.832,79" and "Y = 6.506.921,0".



dwg a shp – Tabla de atributos

gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Campo Tabla Vista Ayuda

Tabla: Tabla de atributos: FHISTO.dwg

ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationText
14	FPolyline2D	LwPolyline	83HIS	6	0.0	0.0		0.0	0.0
15	FPolyline2D	LwPolyline	83HIS	6	0.0	0.0		0.0	0.0
16	FPolyline2D	LwPolyline	92HIS	84	0.0	0.0		0.0	0.0
17	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
18	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
19	FPolyline2D	LwPolyline	92HIS	84	0.0	0.0		0.0	0.0
20	FPolyline2D	LwPolyline	98POTPAR	4	0.0	0.0		0.0	0.0
21	FPolyline2D	LwPolyline	83POT	6	0.0	0.0		0.0	0.0
22	FPolyline2D	LwPolyline	98POTPAR	4	0.0	0.0		0.0	0.0
23	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
24	FPolyline2D	LwPolyline	98PARAMA	4	0.0	0.0		0.0	0.0
25	FPolyline2D	LwPolyline	92HIS	84	0.0	0.0		0.0	0.0
26	FPolyline2D	LwPolyline	83HIS	6	0.0	0.0		0.0	0.0
27	FPolyline2D	LwPolyline	92POT	84	0.0	0.0		0.0	0.0
28	FPolyline2D	LwPolyline	73HIS	54	0.0	0.0		0.0	0.0
29	FPolyline2D	LwPolyline	92POT	84	0.0	0.0		0.0	0.0
30	FPolyline2D	LwPolyline	98POTPAR	4	0.0	0.0		0.0	0.0
31	FPolyline2D	LwPolyline	98PARAMA	4	0.0	0.0		0.0	0.0
32	FPolyline2D	LwPolyline	98PARAMA	4	0.0	0.0		0.0	0.0
33	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
47	FPolyline2D	LwPolyline	92POT	84	0.0	0.0		0.0	0.0
48	FPolyline2D	LwPolyline	83POT	6	0.0	0.0		0.0	0.0
53	FPoint2D	Text	NOMBRE CU...	1	0.0	0.0	CH 2003	40.0	1.01761068...
54	FPoint2D	Text	NOMBRE CU...	4	0.0	0.0	CHS 1998	40.0	0.62152797...
55	FPoint2D	Text	NOMBRE CU...	54	0.0	0.0	CH 1973	40.0	0.60173845...

0 / 309 Total registros seleccionados.

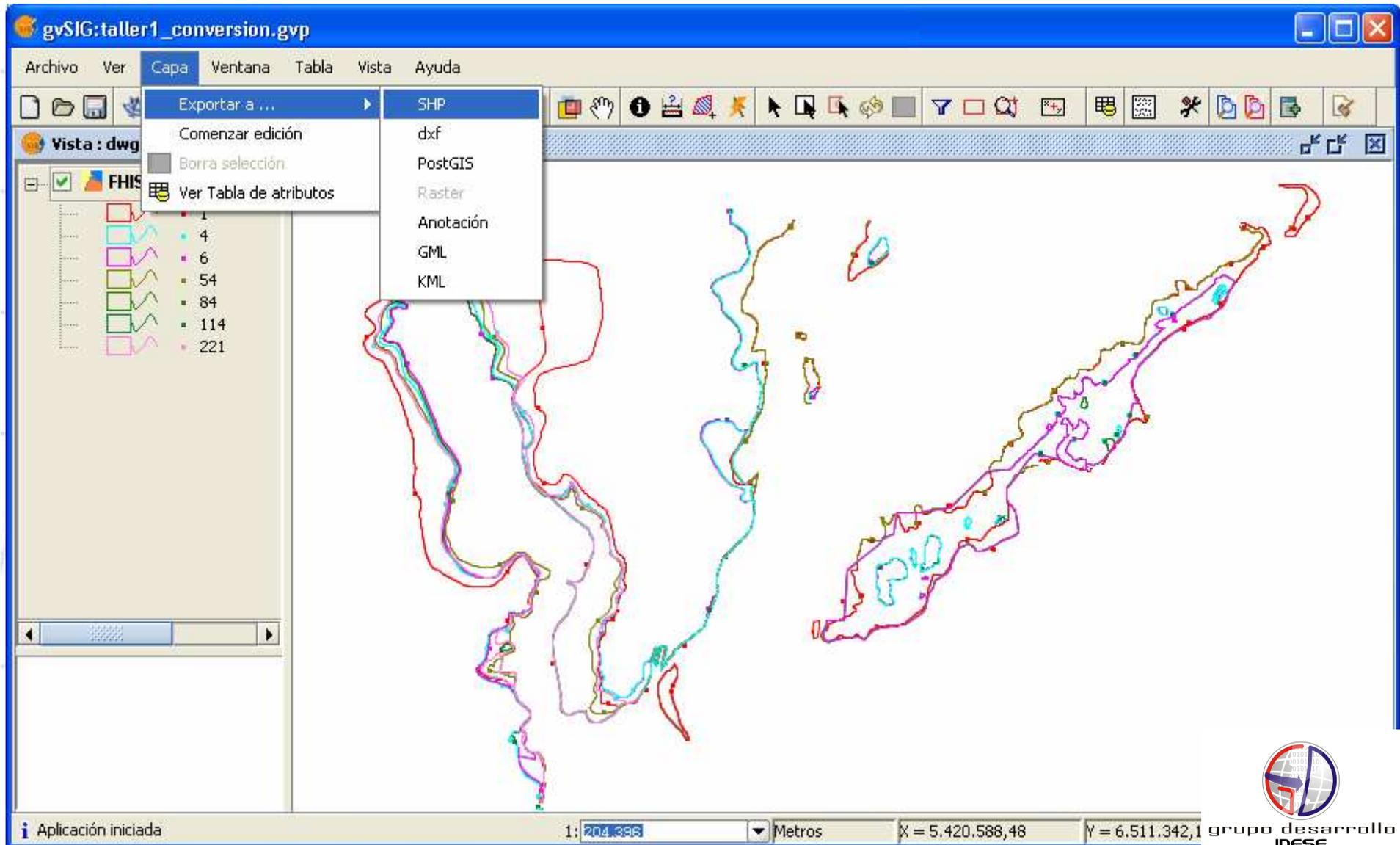
i Aplicación iniciada

Metros X = 5.442.653,01 Y = 6.516.696



grupo desarrollo
IDESF

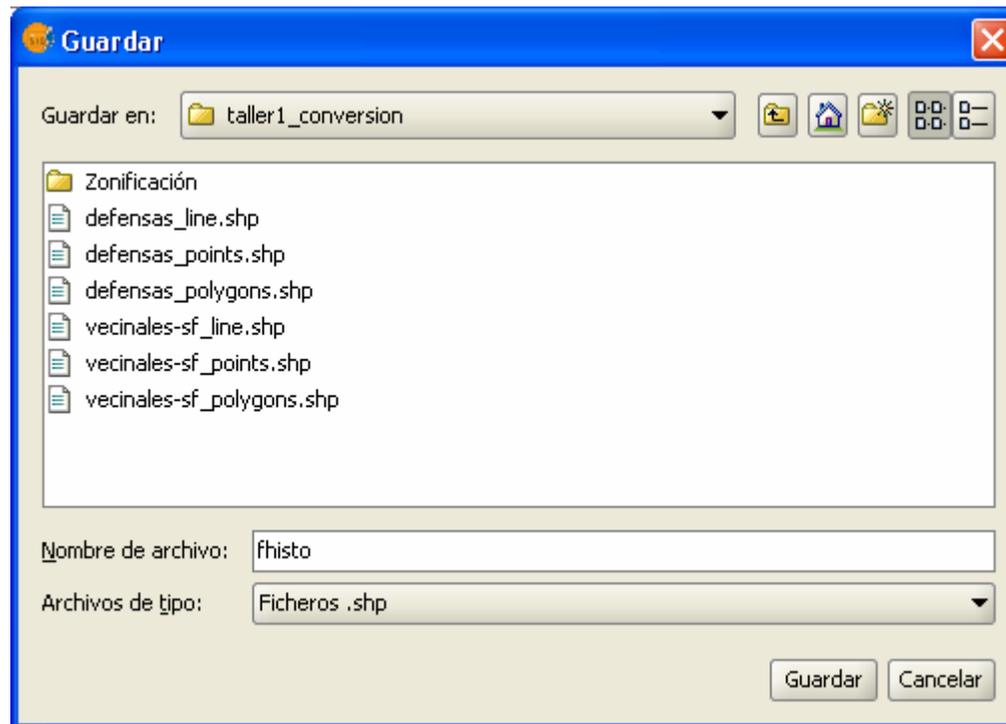
dwg a shp – Capa/Exportar a.../SHP



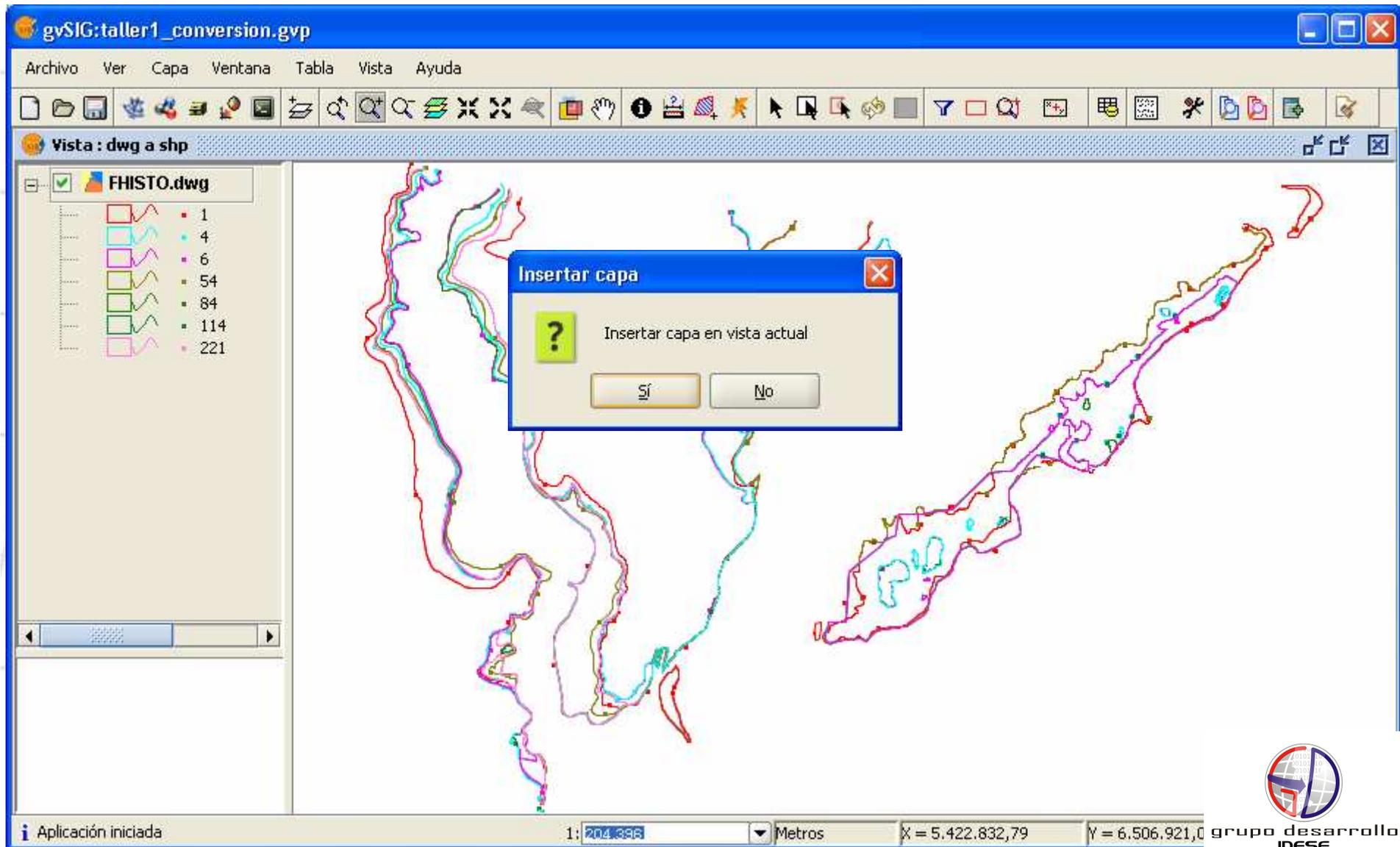
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The "Capa" menu is open, showing options: "Exportar a ...", "Comenzar edición", "Borra selección", and "Ver Tabla de atributos". The "Exportar a ..." sub-menu is also open, listing export formats: "SHP", "dxf", "PostGIS", "Raster", "Anotación", "GML", and "KML". The "SHP" option is highlighted. The main map area displays a complex vector map with various colored lines and shapes. On the left, a layer list shows "FHS" with several sub-layers. The status bar at the bottom indicates "Aplicación iniciada", a scale of "1: 204.388", and coordinates "X = 5.420.588,48" and "Y = 6.511.342,1".



dwg a shp – Archivo de Salida (shp)



dwg a shp – Archivo de Salida (shp)



The screenshot shows the gvSIG software interface with a dialog box titled "Insertar capa" (Insert layer) overlaid on the map. The dialog box contains a question mark icon and the text "Insertar capa en vista actual" (Insert layer in current view), with "Sí" (Yes) and "No" buttons.

The main window title is "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The left sidebar shows a layer list for "FHISTO.dwg" with layers numbered 1, 4, 6, 54, 84, 114, and 221. The map area displays a complex network of colored lines representing the data. The status bar at the bottom shows "Aplicación iniciada", a scale of 1:204.888, units in "Metros", and coordinates X = 5.422.832,79 and Y = 6.506.921,0.

dwg a shp

Capa líneas de riesgo históricas (shp)



The screenshot displays the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The main window is titled "Vista : dwg a shp" and shows a map of a river system with historical risk lines. The legend on the left lists the following layers:

- fhisto_polygons.shp (Default)
- fhisto_line.shp (Default)
- fhisto_points.shp (Default)
- FHISTO.dwg** (Legend with 6 categories):
 - 1 (Red)
 - 4 (Cyan)
 - 6 (Magenta)
 - 54 (Green)
 - 84 (Dark Green)
 - 114 (Light Green)
 - 221 (Pink)

The status bar at the bottom shows "Aplicación iniciada", a scale of 1:204.396, units in "Metros", and coordinates X = 5.432.431,94 and Y = 6.516.155,2.



dwg a shp

Capa líneas de riesgo históricas (shp)



gvSIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Tabla Vista Ayuda

Vista : dwg a shp

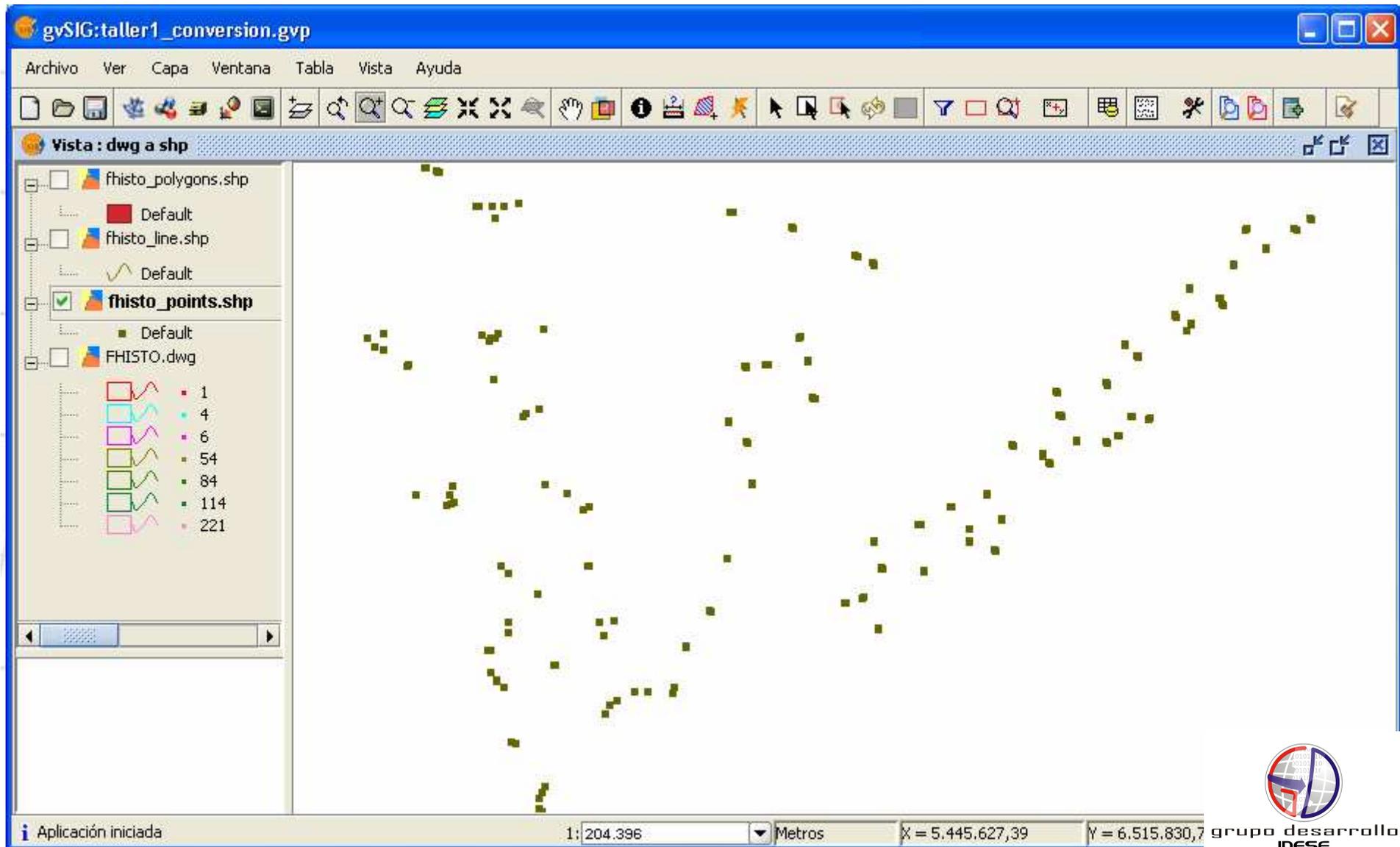
- fhisto_polygons.shp
 - Default
- fhisto_line.shp
 - Default
- fhisto_points.shp
 - Default
- FHISTO.dwg
 - 1
 - 4
 - 6
 - 54
 - 84
 - 114
 - 221

Aplicación iniciada 1:204.396 Metros X = 5.446.005,95 Y = 6.516.533,7



dwg a shp

Capa líneas de riesgo históricas puntos



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dwg a shp" panel on the left shows a list of layers:

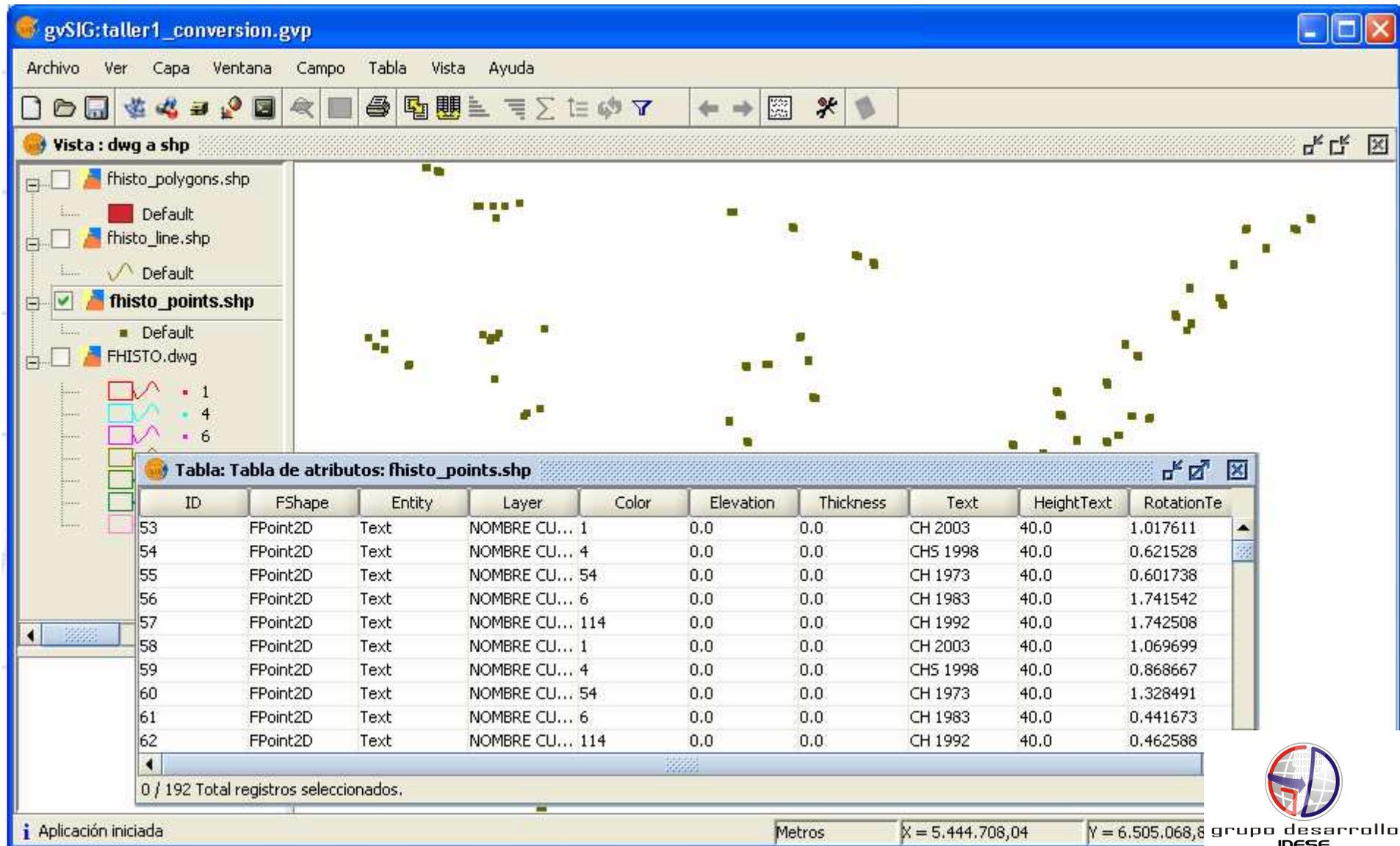
- fhisto_polygons.shp
 - Default
- fhisto_line.shp
 - Default
- fhisto_points.shp**
 - Default
- FHISTO.dwg
 - 1
 - 4
 - 6
 - 54
 - 84
 - 114
 - 221

The main map area displays a series of small green square points scattered across the workspace. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 204.396", units in "Metros", and coordinates "X = 5.445.627,39" and "Y = 6.515.830,7".



dwg a shp

Capa líneas de riesgo históricas puntos



The screenshot shows the gvSIG software interface. The main map area displays a set of points. The left sidebar shows the layer list with 'fhisto_points.shp' selected. The bottom window displays the attribute table for 'fhisto_points.shp'.

ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationTe
53	FPoint2D	Text	NOMBRE CU... 1		0.0	0.0	CH 2003	40.0	1.017611
54	FPoint2D	Text	NOMBRE CU... 4		0.0	0.0	CH5 1998	40.0	0.621528
55	FPoint2D	Text	NOMBRE CU... 54		0.0	0.0	CH 1973	40.0	0.601738
56	FPoint2D	Text	NOMBRE CU... 6		0.0	0.0	CH 1983	40.0	1.741542
57	FPoint2D	Text	NOMBRE CU... 114		0.0	0.0	CH 1992	40.0	1.742508
58	FPoint2D	Text	NOMBRE CU... 1		0.0	0.0	CH 2003	40.0	1.069699
59	FPoint2D	Text	NOMBRE CU... 4		0.0	0.0	CH5 1998	40.0	0.868667
60	FPoint2D	Text	NOMBRE CU... 54		0.0	0.0	CH 1973	40.0	1.328491
61	FPoint2D	Text	NOMBRE CU... 6		0.0	0.0	CH 1983	40.0	0.441673
62	FPoint2D	Text	NOMBRE CU... 114		0.0	0.0	CH 1992	40.0	0.462588

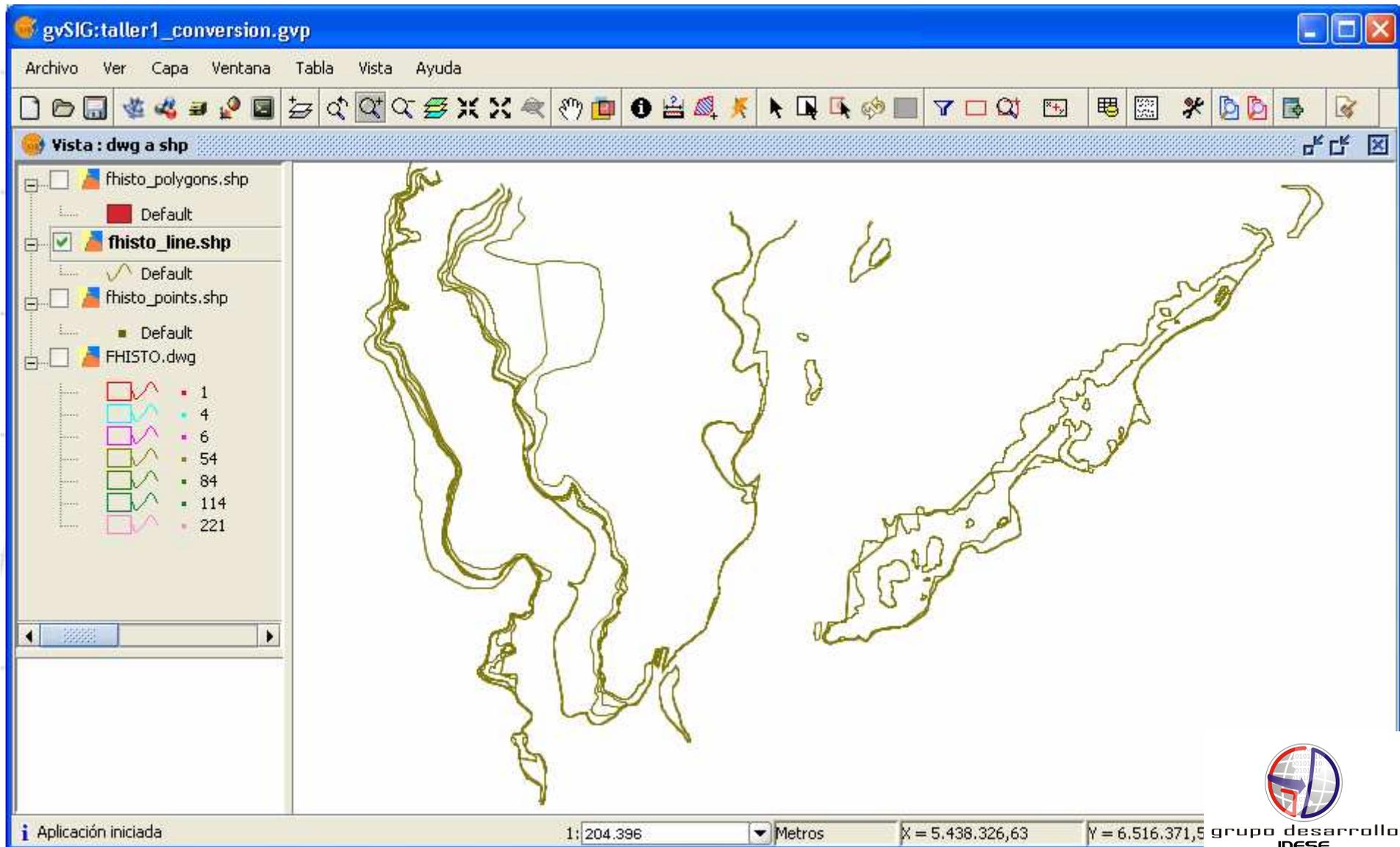
0 / 192 Total registros seleccionados.

Aplicación iniciada Metros X = 5.444.708,04 Y = 6.505.068,8



dwg a shp

Capa líneas de riesgo históricas líneas



The screenshot shows the gvSIG software interface with the following elements:

- Title Bar:** gvSIG:taller1_conversion.gvp
- Menu Bar:** Archivo, Ver, Capa, Ventana, Tabla, Vista, Ayuda
- Toolbar:** Standard GIS navigation and editing tools.
- Layer List (Left Panel):**
 - fhisto_polygons.shp (Default)
 - fhisto_line.shp (Default)
 - fhisto_points.shp (Default)
 - FHISTO.dwg (Default)
 - Legend for FHISTO.dwg:
 - 1 (Red)
 - 4 (Cyan)
 - 6 (Magenta)
 - 54 (Green)
 - 84 (Dark Green)
 - 114 (Light Green)
 - 221 (Pink)
- Map View:** A map showing a network of yellow lines representing historical risk lines on a white background.
- Status Bar (Bottom):** Aplicación iniciada, 1: 204.396, Metros, X = 5.438.326,63, Y = 6.516.371,5



dwg a shp

Capa líneas de riesgo históricas líneas



gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Campo Tabla Vista Ayuda

Vista : dwg a shp

- fhisto_polygons.shp
 - Default
- fhisto_line.shp**
 - Default
- fhisto_points.shp
 - Default
- FHISTO.dwg
 - 1
 - 4
 - 6
 - 54
 - 84
 - 114
 - 221

ID	FShape	Entity	Layer	Color	Elevation	Thickness	Text	HeightText	RotationTe
14	FPolyline2D	LwPolyline	83HIS	6	0.0	0.0		0.0	0.0
15	FPolyline2D	LwPolyline	83HIS	6	0.0	0.0		0.0	0.0
16	FPolyline2D	LwPolyline	92HIS	84	0.0	0.0		0.0	0.0
17	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
18	FPolyline2D	LwPolyline	2003HIS	1	0.0	0.0		0.0	0.0
19	FPolyline2D	LwPolyline	92HIS	84	0.0	0.0		0.0	0.0
20	FPolyline2D	LwPolyline	98POTPAR	4	0.0	0.0		0.0	0.0
21	FPolyline2D	LwPolyline	83POT	6	0.0	0.0		0.0	0.0
22	FPolyline2D	LwPolyline	08POTPAR	4	0.0	0.0		0.0	0.0

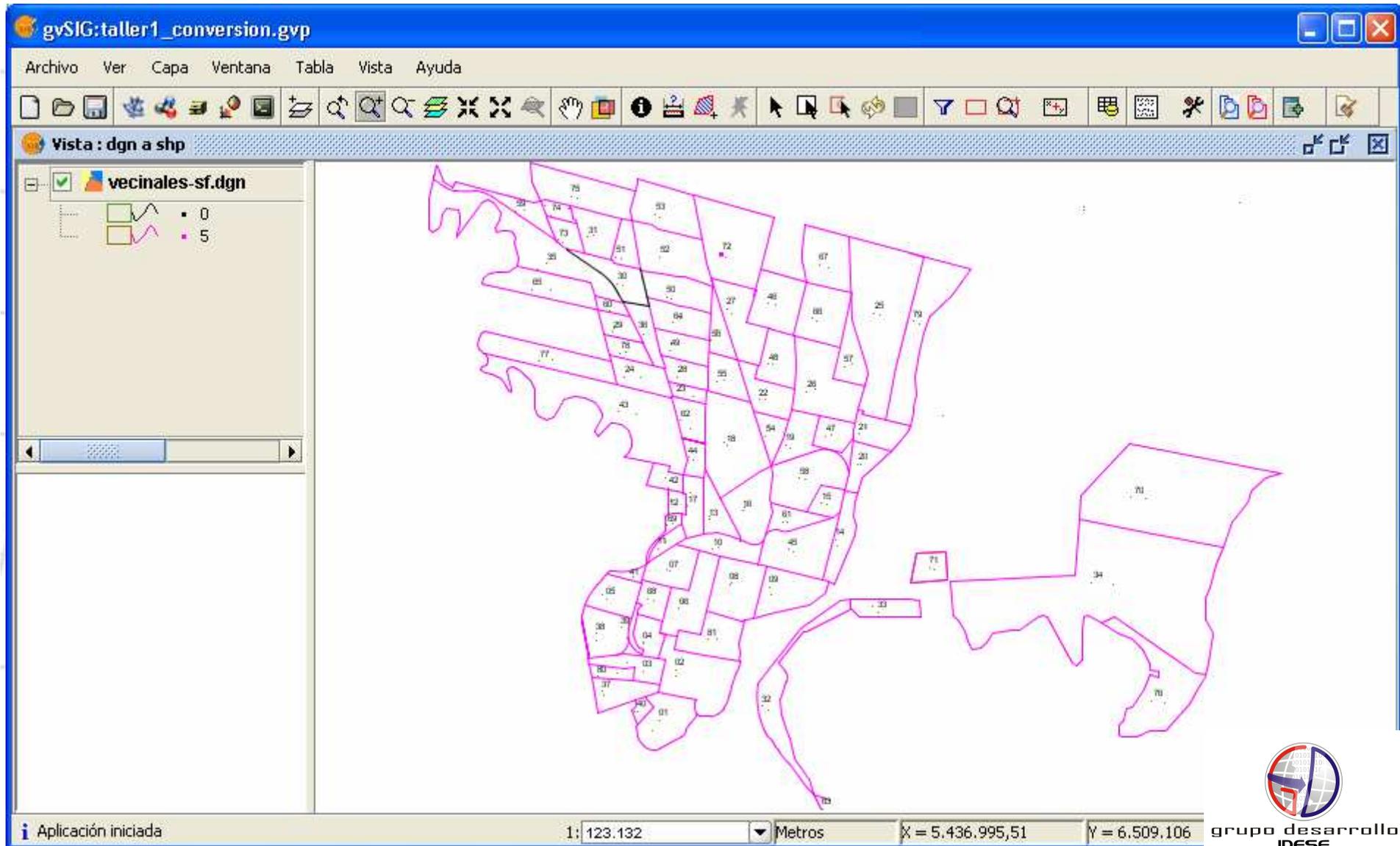
0 / 117 Total registros seleccionados.

Aplicación iniciada Metros X = 5.446.114,11 Y = 6.505.068,8



gvSIG - dgn a shp

dgn a shp – Capa vecinales (dgn)



gvSIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Tabla Vista Ayuda

Vista : dgn a shp

vecinales-sf.dgn

0

5

Aplicación iniciada

1: 123.132 Metros X = 5.436.995,51 Y = 6.509.106



dgn a shp – Tabla de atributos

gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Campo Tabla Vista Ayuda

Tabla: Tabla de atributos: vecinales-sf.dgn

ID	Entity	Layer	Color	HeightText	RotationText	Text
8	Text	18	5	199.99998	0.0	72
10	Text	18	5	199.99998	0.0	52
12	Text	18	5	199.99998	0.0	64
14	Text	18	5	199.99998	0.0	28
16	Text	18	5	199.99998	0.0	13
18	Text	18	5	199.99998	0.0	62
20	Text	18	5	199.99998	0.0	10
22	Text	18	5	199.99998	0.0	02
24	Text	18	5	199.99998	0.0	06
26	Multipoint	17	5	0	0	
26	Multipoint	17	5	0	0	
28	Text	18	5	199.99998	0.0	80
30	Text	18	5	199.99998	0.0	38
32	Text	18	5	199.99998	0.0	37
34	Text	18	5	199.99998	0.0	40
36	Text	18	5	199.99998	0.0	04
38	Multipoint	17	5	0	0	
40	Text	18	5	199.99998	0.0	01
42	Text	18	5	199.99998	0.0	75
44	Text	18	5	199.99998	0.0	65
46	Text	18	5	199.99998	0.0	30
48	Text	18	5	199.99998	0.0	39
50	Multipoint	17	5	0	0	
50	Multipoint	17	5	0	0	
52	Text	18	5	199.99998	0.0	73

0 / 288 Total registros seleccionados.

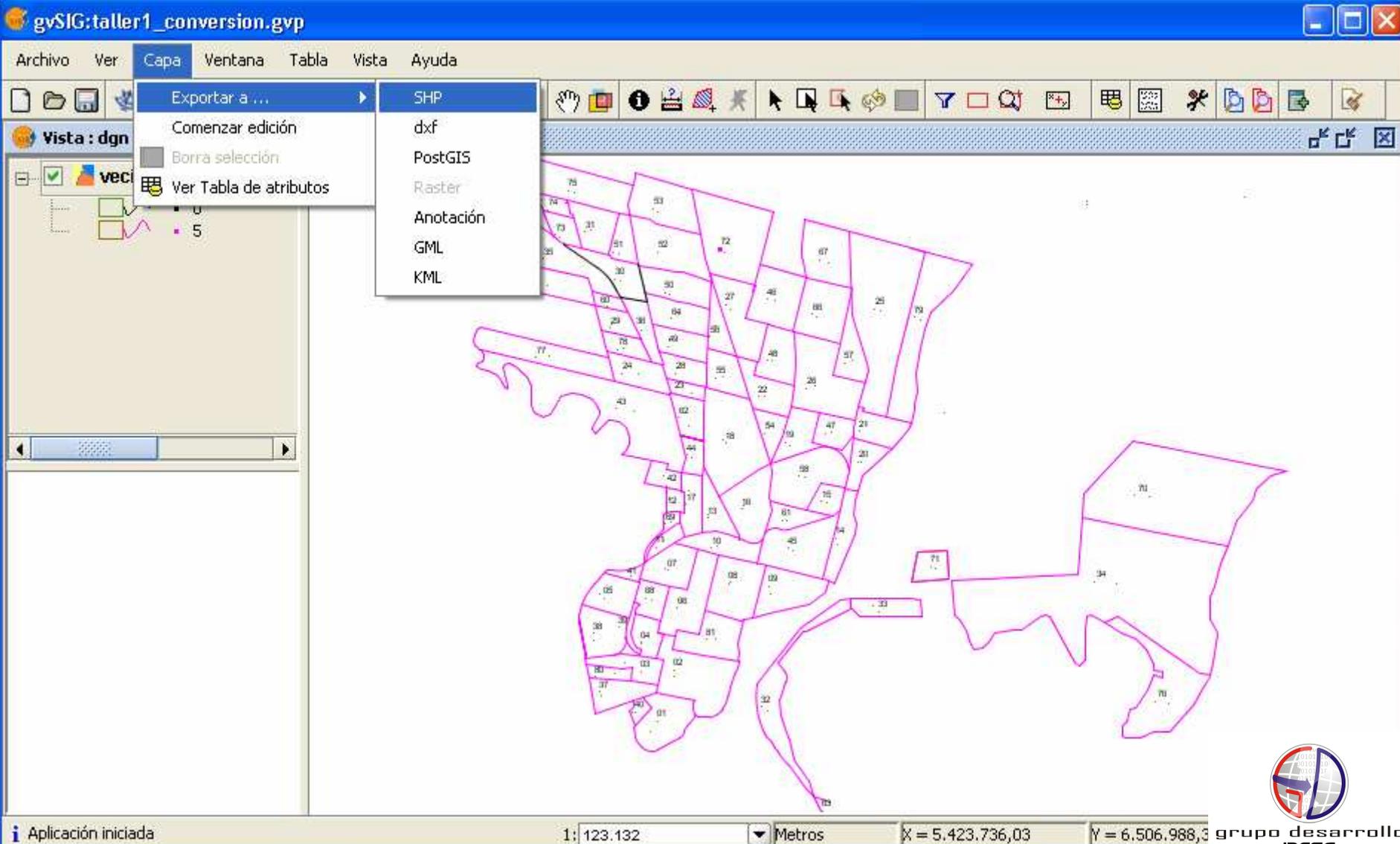
Aplicación iniciada

Metros X = 5.427.384,83 Y = 6.508.356,6



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IDESF

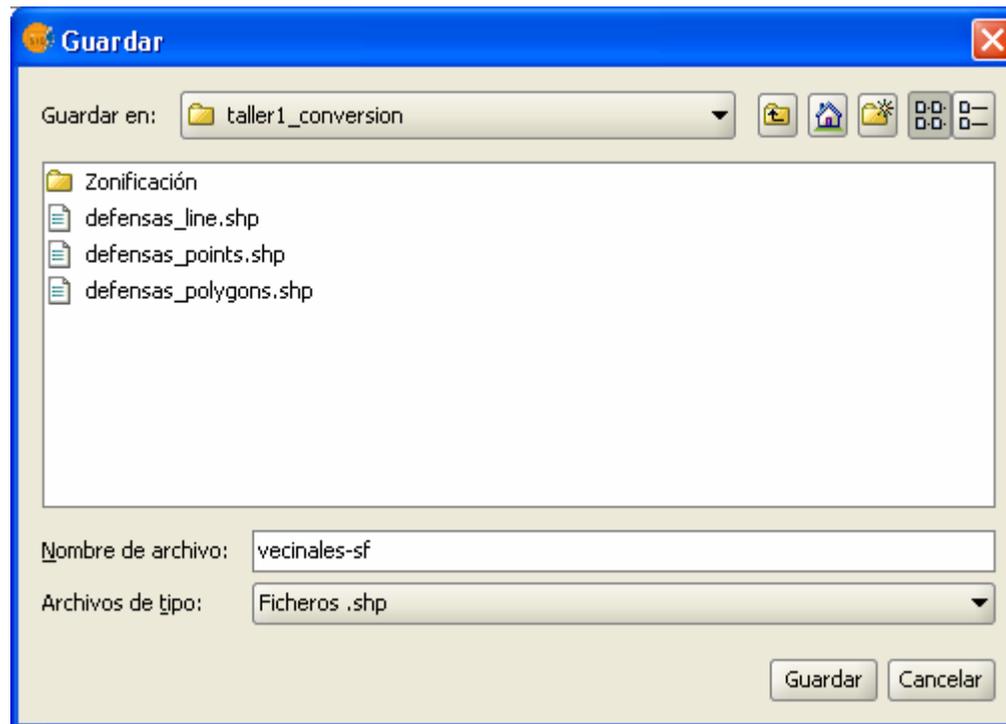
dgn a shp – Capa/Exportar a.../SHP



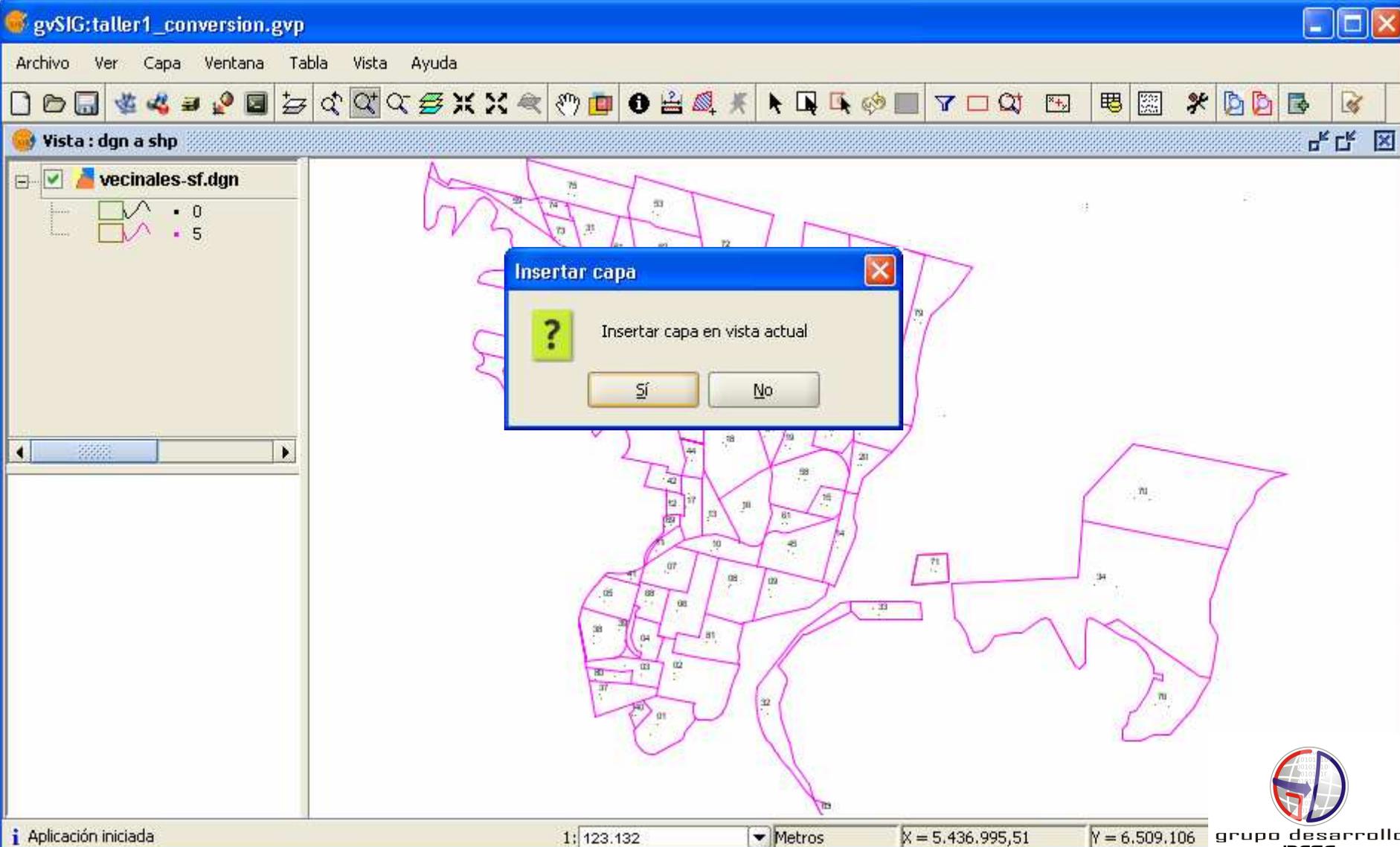
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The "Capa" menu is open, showing options: "Exportar a ...", "Comenzar edición", "Borra selección", and "Ver Tabla de atributos". The "Exportar a ..." sub-menu is also open, listing the following options: "SHP", "dxf", "PostGIS", "Raster", "Anotación", "GML", and "KML". The "SHP" option is highlighted. The main map area displays a pink-outlined vector layer of land parcels, many of which are numbered. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 123.132", units in "Metros", and coordinates "X = 5.423.736,03" and "Y = 6.506.988,3".



dgn a shp – Archivo de Salida (shp)



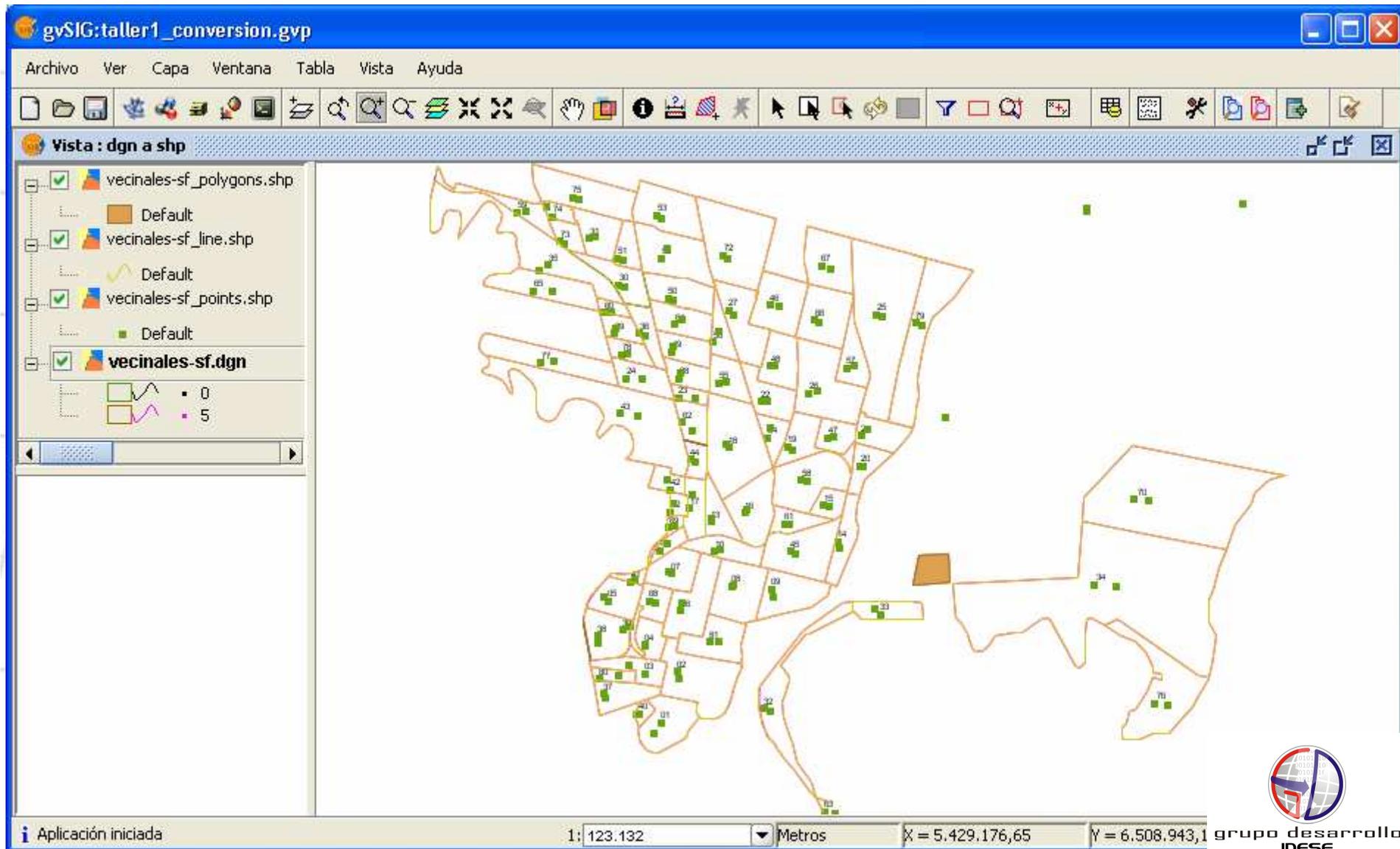
dgn a shp – Capa vecinales (shp)



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The main window displays a map of neighborhoods outlined in pink. A dialog box titled "Insertar capa" is open, asking "Insertar capa en vista actual" with "Sí" and "No" buttons. The left sidebar shows a layer named "vecinales-sf.dgn" with a legend. The status bar at the bottom indicates "Aplicación iniciada", a scale of "1: 123.132", units of "Metros", and coordinates "X = 5.436.995,51" and "Y = 6.509.106".



dgn a shp – Capa vecinales (shp)

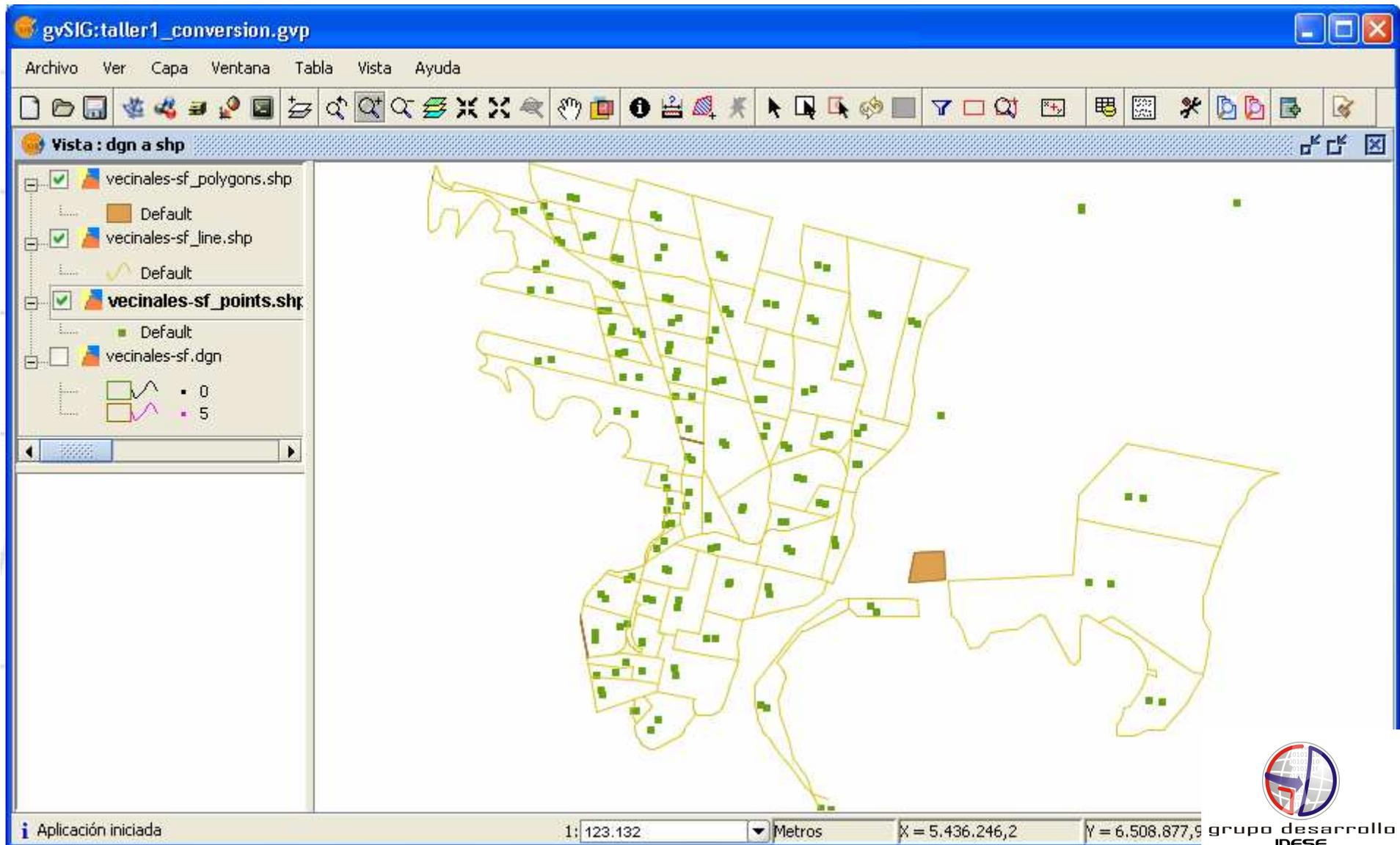


The screenshot displays the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The left sidebar, titled "Vista : dgn a shp", shows a layer list with the following items:

- vecinales-sf_polygons.shp (Default)
- vecinales-sf_line.shp (Default)
- vecinales-sf_points.shp (Default)
- vecinales-sf.dgn (Default)

Below the layer list, there are two legend entries: a green square with a value of 0 and a pink square with a value of 5. The main map area shows a neighborhood layout with orange outlines for blocks and green square markers. The status bar at the bottom indicates "Aplicación iniciada", a scale of "1: 123.132", units in "Metros", and coordinates "X = 5.429.176,65" and "Y = 6.508.943,1".

dgn a shp – Capa vecinales (shp)



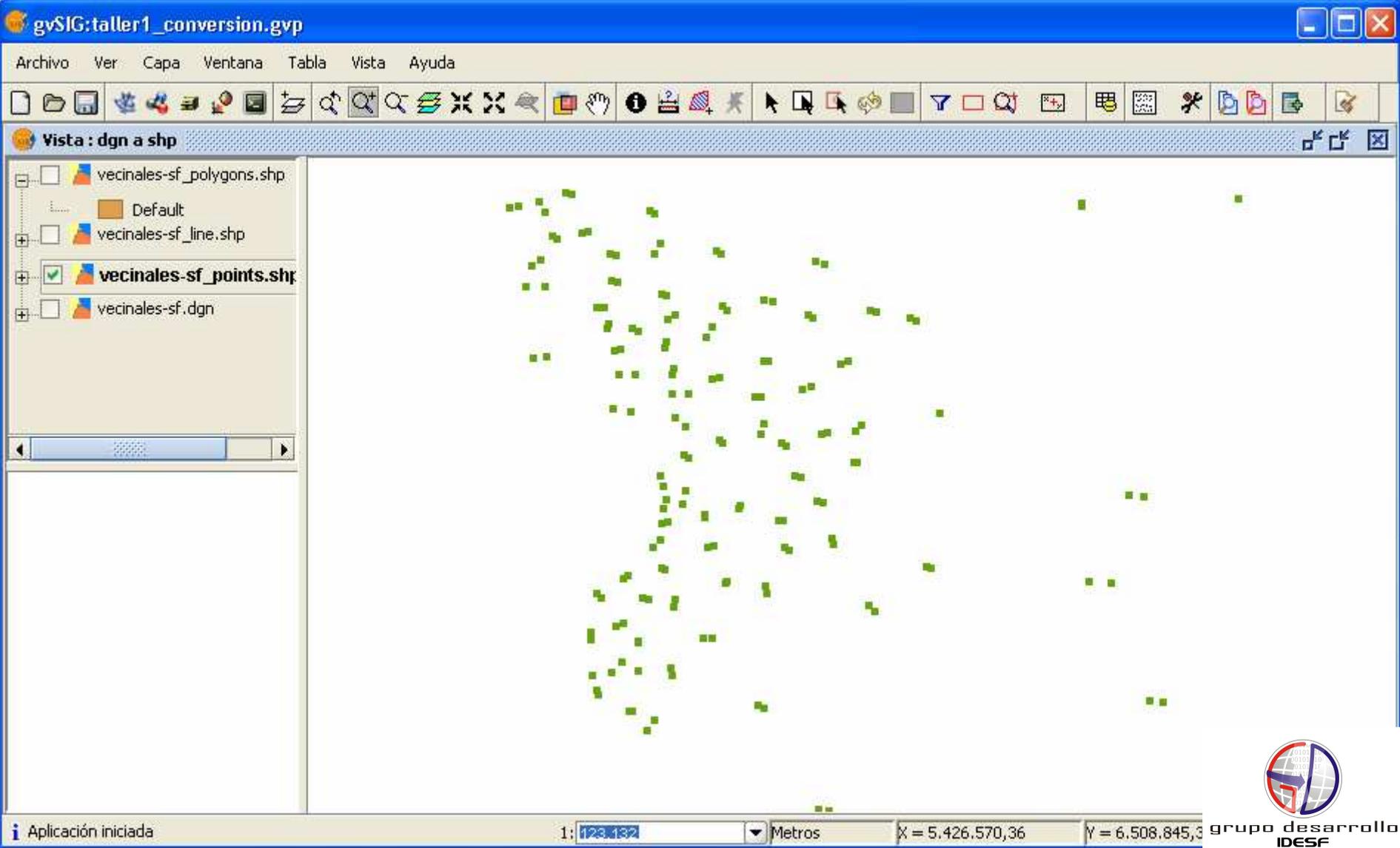
The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The "Vista : dgn a shp" panel on the left shows a layer list with the following items:

- vecinales-sf_polygons.shp
 - Default
- vecinales-sf_line.shp
 - Default
- vecinales-sf_points.shp
 - Default
- vecinales-sf.dgn
 - 0
 - 5

The main map area displays a geographic area with yellow outlines representing neighborhood boundaries. Numerous small green squares are scattered across the map, representing point data. A single brown square is also visible on the right side of the map. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 123.132", units in "Metros", and coordinates "X = 5.436.246,2" and "Y = 6.508.877,9".



dgn a shp – Capa vecinales puntos



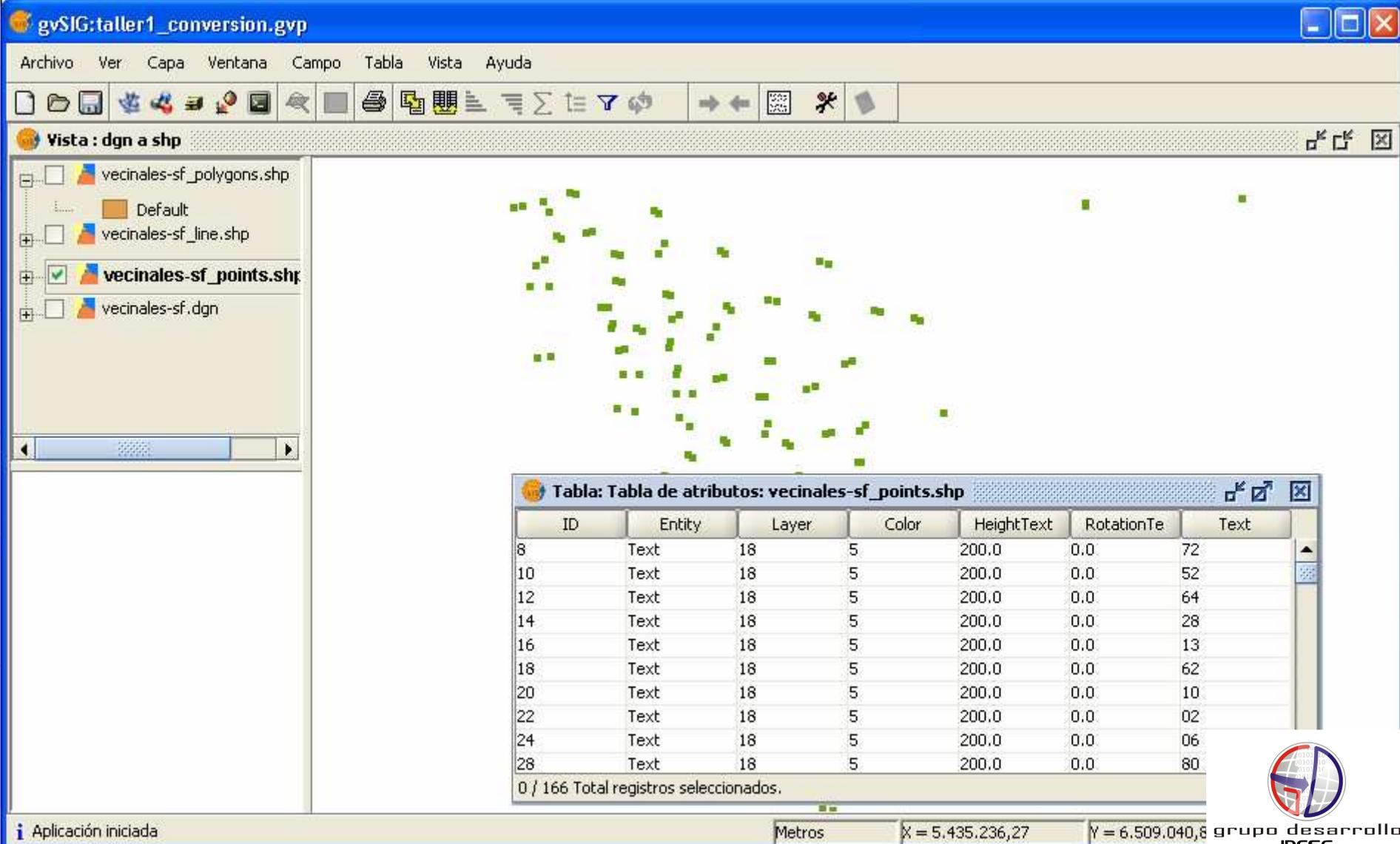
The screenshot displays the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The left sidebar, titled "Vista : dgn a shp", shows a layer list with the following items:

- vecinales-sf_polygons.shp
- Default
- vecinales-sf_line.shp
- vecinales-sf_points.shp**
- vecinales-sf.dgn

The main map area displays a collection of green square points. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 123.132", a unit of "Metros", and coordinates "X = 5.426.570,36" and "Y = 6.508.845,3".



dgn a shp – Capa vecinales puntos



The screenshot shows the gvSIG software interface. The main map area displays a collection of green square points. On the left, the 'Vista : dgn a shp' panel lists several layers, with 'vecinales-sf_points.shp' selected and checked. Below the map, the 'Tabla: Tabla de atributos: vecinales-sf_points.shp' window is open, showing a table with 7 columns: ID, Entity, Layer, Color, HeightText, RotationTe, and Text. The table contains 16 rows of data. At the bottom of the interface, the status bar shows 'Aplicación iniciada', 'Metros', and coordinates 'X = 5.435.236,27' and 'Y = 6.509.040,8'.

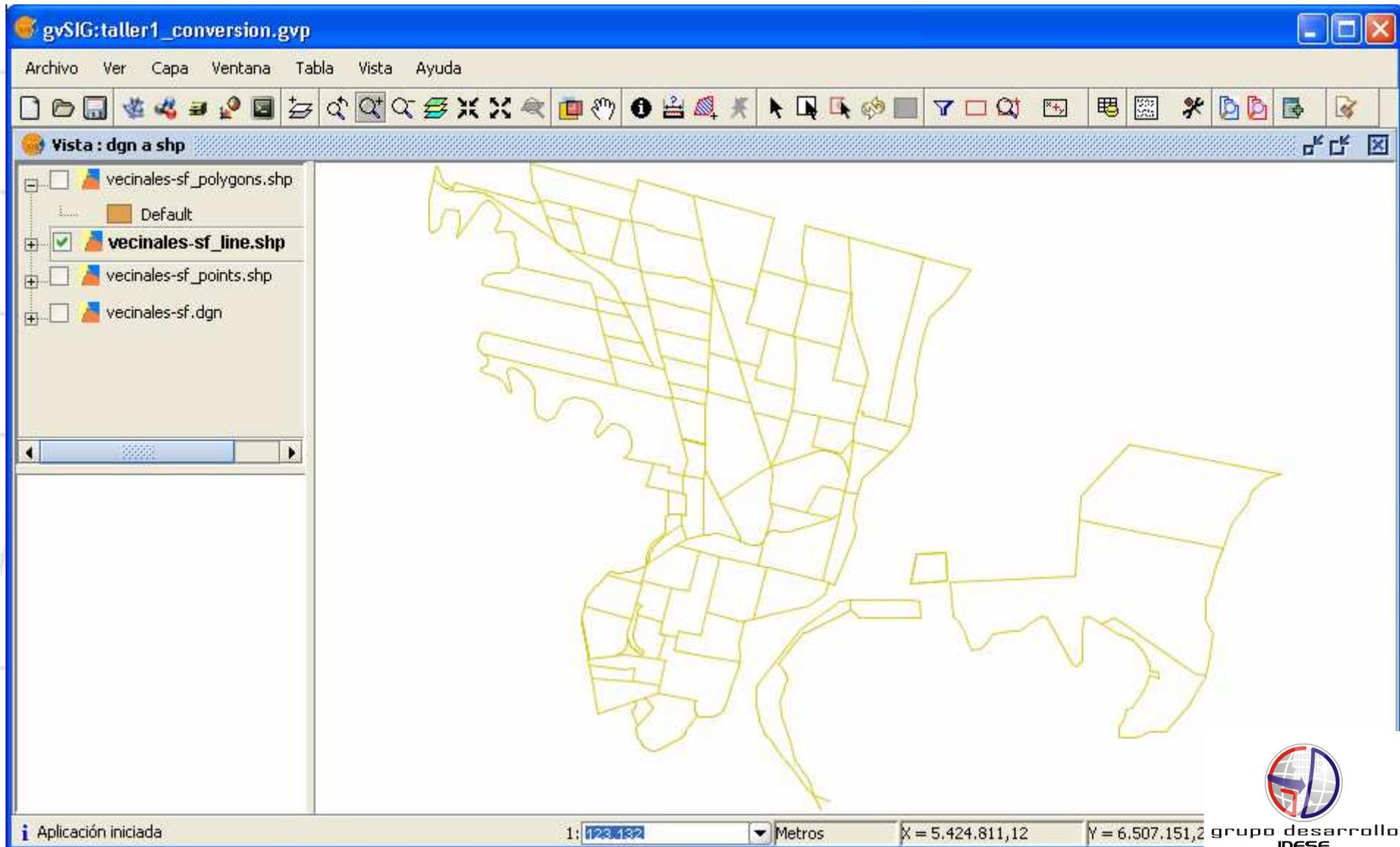
ID	Entity	Layer	Color	HeightText	RotationTe	Text
8	Text	18	5	200.0	0.0	72
10	Text	18	5	200.0	0.0	52
12	Text	18	5	200.0	0.0	64
14	Text	18	5	200.0	0.0	28
16	Text	18	5	200.0	0.0	13
18	Text	18	5	200.0	0.0	62
20	Text	18	5	200.0	0.0	10
22	Text	18	5	200.0	0.0	02
24	Text	18	5	200.0	0.0	06
28	Text	18	5	200.0	0.0	80

0 / 166 Total registros seleccionados.

Aplicación iniciada Metros X = 5.435.236,27 Y = 6.509.040,8



dgn a shp – Capa vecinales líneas



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various GIS tools. The left sidebar, titled "Vista : dgn a shp", lists the following layers:

- vecinales-sf_polygons.shp
- Default
- vecinales-sf_line.shp**
- vecinales-sf_points.shp
- vecinales-sf.dgn

The main map area displays a network of yellow lines representing neighborhood boundaries. The status bar at the bottom shows "Aplicación iniciada", a scale of 1:123,132, units in "Metros", and coordinates X = 5.424.811,12 and Y = 6.507.151,2.



dgn a shp – Capa vecinales líneas

gySIG:taller1_conversion.gvp

Archivo Ver Capa Ventana Campo Tabla Vista Ayuda

Vista : dgn a shp

- vecinales-sf_polygons.shp
- Default
- vecinales-sf_line.shp**
- vecinales-sf_points.shp
- vecinales-sf.dgn

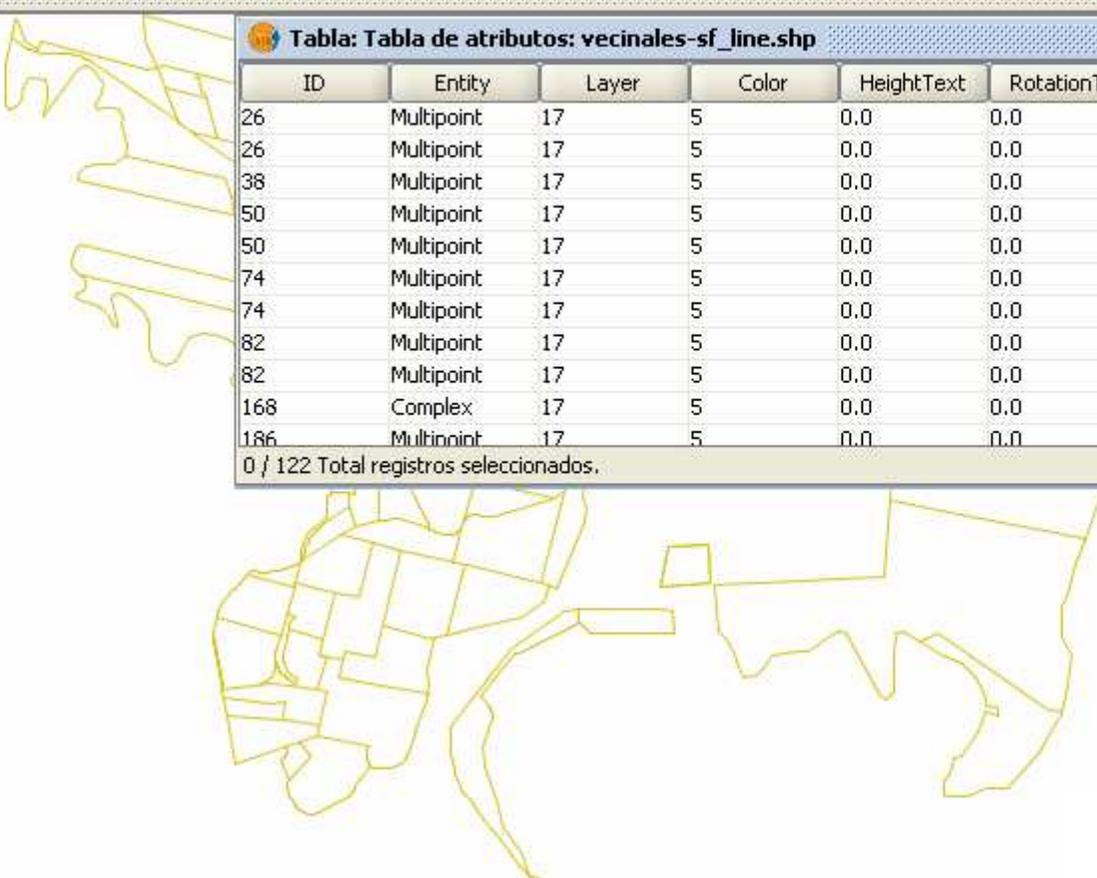
Tabla: Tabla de atributos: vecinales-sf_line.shp

ID	Entity	Layer	Color	HeightText	RotationTe	Text
26	Multipoint	17	5	0.0	0.0	
26	Multipoint	17	5	0.0	0.0	
38	Multipoint	17	5	0.0	0.0	
50	Multipoint	17	5	0.0	0.0	
50	Multipoint	17	5	0.0	0.0	
74	Multipoint	17	5	0.0	0.0	
74	Multipoint	17	5	0.0	0.0	
82	Multipoint	17	5	0.0	0.0	
82	Multipoint	17	5	0.0	0.0	
168	Complex	17	5	0.0	0.0	
186	Multipoint	17	5	0.0	0.0	

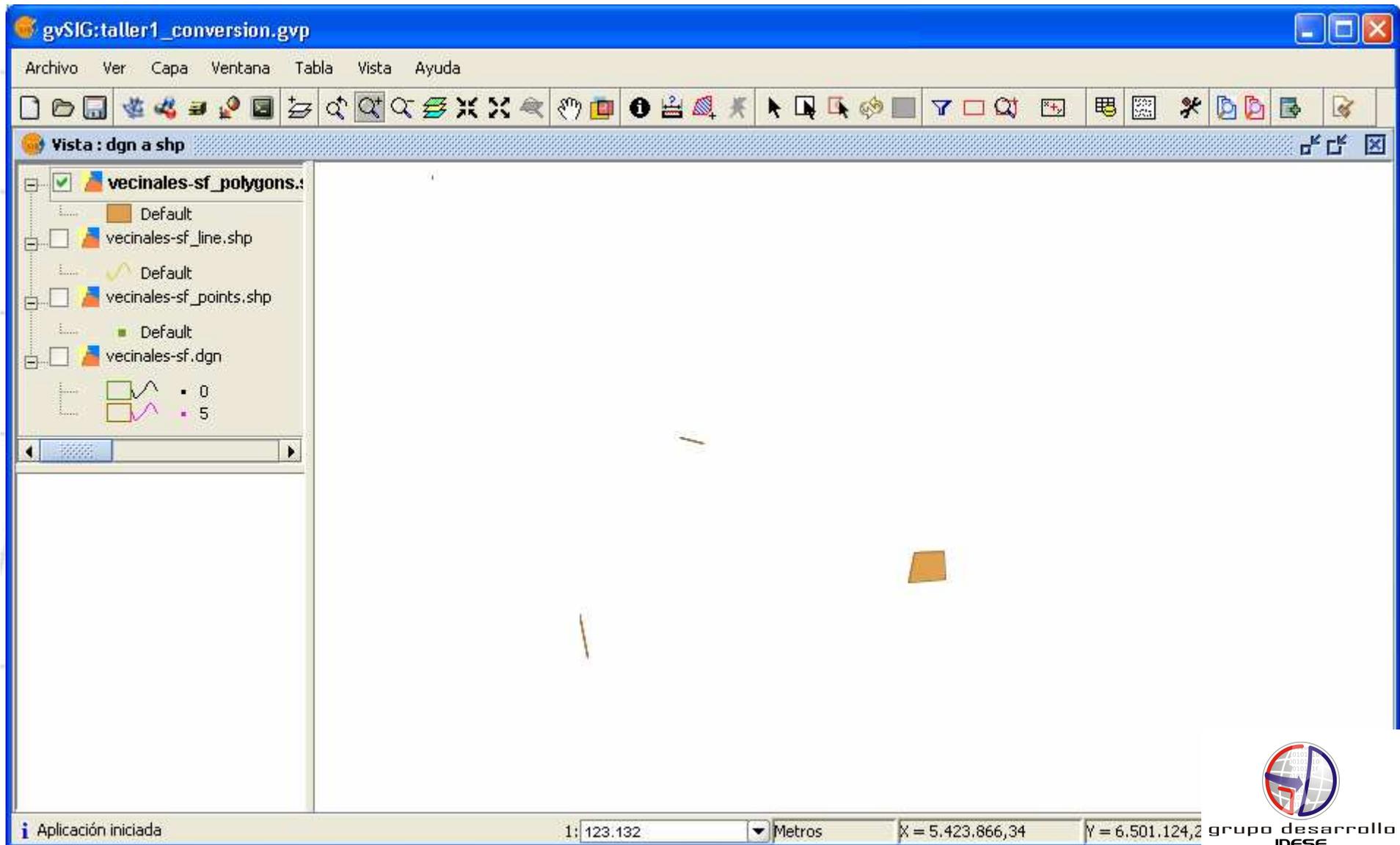
0 / 122 Total registros seleccionados.

Aplicación iniciada

Metros X = 5.425.039,17 Y = 6.502.492,5



dgn a shp – Capa vecinales polígonos



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Tabla", "Vista", and "Ayuda". The toolbar contains various icons for file operations, navigation, and editing. The "Vista : dgn a shp" panel on the left shows a tree view of layers:

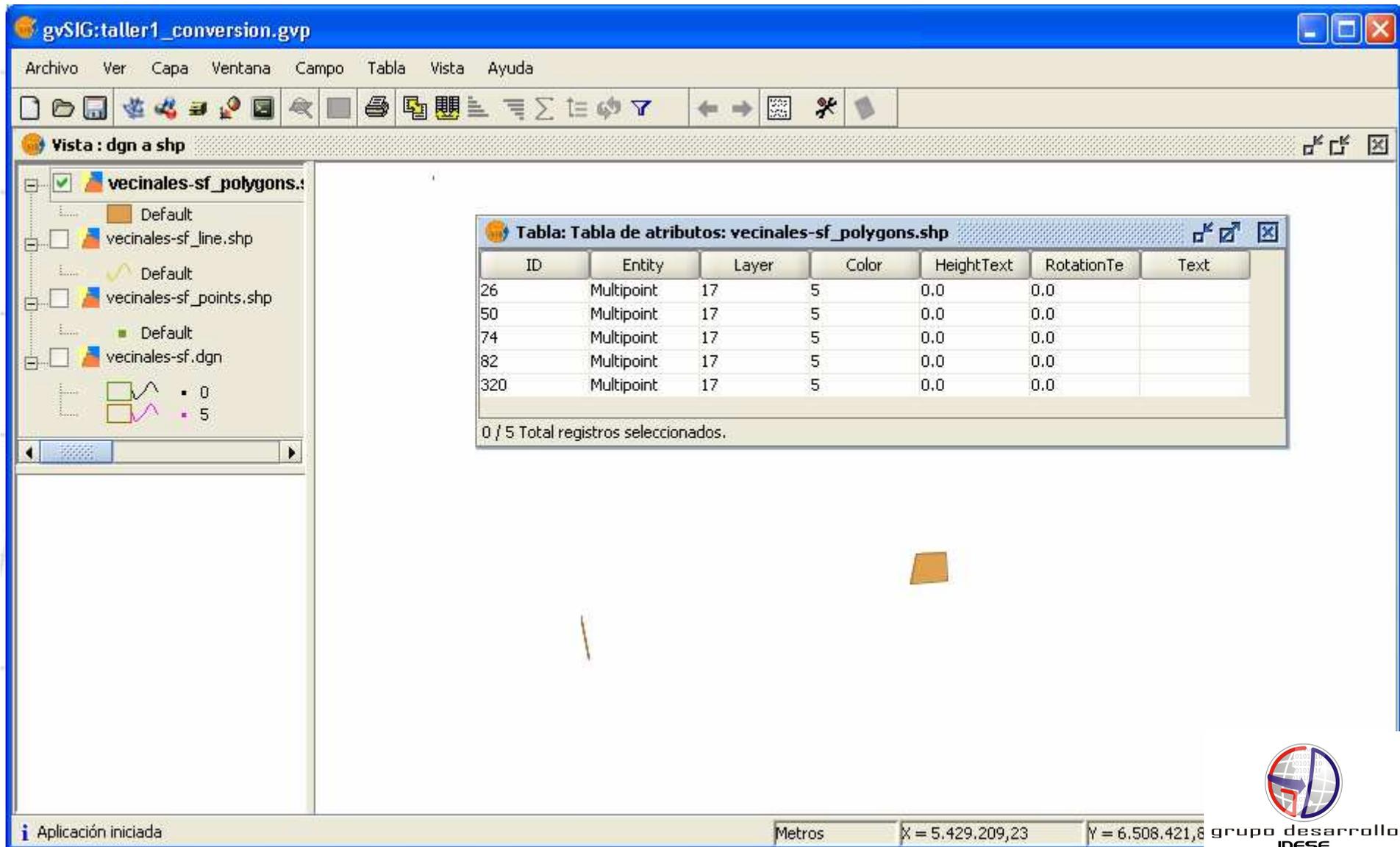
- vecinales-sf_polygons.:
 - Default
- vecinales-sf_line.shp
 - Default
- vecinales-sf_points.shp
 - Default
- vecinales-sf.dgn
 - Default

Below the tree view, there are two legend entries:

- 0
- 5

The main map area displays a white background with a few small, faint shapes. The status bar at the bottom shows "Aplicación iniciada", a scale of "1: 123.132", units of "Metros", and coordinates "X = 5.423.866,34" and "Y = 6.501.124,2".

dgn a shp – Capa vecinales polígonos



The screenshot shows the gvSIG software interface. The title bar reads "gvSIG:taller1_conversion.gvp". The menu bar includes "Archivo", "Ver", "Capa", "Ventana", "Campo", "Tabla", "Vista", and "Ayuda". The toolbar contains various icons for file operations, editing, and navigation. The main window is titled "Vista : dgn a shp". On the left, a layer list shows "vecinales-sf_polygons." selected, with sub-layers "Default", "vecinales-sf_line.shp", "vecinales-sf_points.shp", and "vecinales-sf.dgn". The main map area displays a small orange polygon and a vertical line. A table window titled "Tabla: Tabla de atributos: vecinales-sf_polygons.shp" is open, showing the following data:

ID	Entity	Layer	Color	HeightText	RotationTe	Text
26	Multipoint	17	5	0.0	0.0	
50	Multipoint	17	5	0.0	0.0	
74	Multipoint	17	5	0.0	0.0	
82	Multipoint	17	5	0.0	0.0	
320	Multipoint	17	5	0.0	0.0	

0 / 5 Total registros seleccionados.

At the bottom of the interface, the status bar shows "Aplicación iniciada", "Metros", and coordinates "X = 5.429.209,23" and "Y = 6.508.421,8".



Muchas gracias!!!