Download resources from link below.

https://drive.google.com/open?id=1qVnp17ass-8PjhqkUxuIIGRlJr1WwqCy

We need to add "Arlington_Soundings_2007_stpl83.shp" file and "Boundary2004 550 stpl83.shp" file.

Layer > Add Layer > Add Vector Layer...

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In QGIS 2.8.1-Wien we can select zip directly, so browse "Shapefiles.zip".



ITVoyagers (itvoyagers.in)

it will ask you to select which .shp file you want to add, select .in it voyagers.in

"Arlington_Soundings_2007_stpl83.shp" file and "Boundary2004_550_stpl83.shp" file



Just zoom in, and view any point details with the help of "Identify feature" tool. itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in



Now go to

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- 1. Select vector layer "Arlington Soundings 2007 stpl83"
- 2. Interpolation attributes ELEVATION
- 3. Number of columns 2502
- ayagers.in.itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvo
 - 5. Cellsize X 5.0
 - 6. Cellsize Y 5.0
 - 7. Set path for output file.



It will load the layer, just keep it in "Points". And click on "OK".

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itvo	Input Vector layers Interpolation attribute Use z-Coordinate for Vector layer A Arlington_So El	Arlington_Sound ELEVATION or interpolation Add Attribute LEVATION	ngs_2007_stpl83	Output Interpolation method Number of columns Cellsize X X min 2.3581e+06 Y min 6.92883e+06 Output file E:/Sarva V Add result to proje	Triangular interpolation 2502 5.00000 asva/QGIS/8/c/out/firsto ect	n (TIN)	Number of rows Cellsize Y 061e +06 931e +06 Set to current et OK	xtent	↓	tvoyagers.in



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Now we have to remove extra part, for that go to

Raster > Extraction > Clipper...



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Give path and name for output file.

itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in In Mask layer select "Boundary2004_550_stpl83".

Click on "OK".



Now go to clipped layer properties.

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In Style panel,

Select "Singleband pseudocolor" as Render type.

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Select colour band.

Check "Invert" and click on "Classify".





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Now we need to add contour lines to show elevation, for that go to

Raster > Extraction > Contour...

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Set name and path for output file.

itv Set 50" sin Interval between contour lines rs. in itvoyagers.in itvoyagers.in Check "Attribute name" checkbox and click on "OK".

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Now lines are added we have to label them, for that open layer "counyoured" layer properties.

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Click on "Placements", select "Curved".

Click on "OK".

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