

Quantum GIS 7c128e1

File Edit View Layer Settings Plugins Vector Raster Help

Layers

Country

Layer Properties - Country

Style Labels Fields General Metadata Actions

Graduated

Column: POP\_CNTRY

Symbol: change

Classes: 5

Color ramp: BWRamp

Mode: Natural Breaks (Jenks)

Symbol	Range	Label
	-99999.0000 - 28402320.0000	-99999.0000 - 28402320.0000
	28402320.0000 - 97228750.0000	28402320.0000 - 97228750.0000
	97228750.0000 - 258833000.0000	97228750.0000 - 258833000.0000
	258833000.0000 - 894608700.0000	258833000.0000 - 894608700.0000
	894608700.0000 - 1281008318.0000	894608700.0000 - 1281008318.0000

Control rendering order

Active (Shift+A) Graph

Layer Properties - style

- Open country.shp
- Choose graduated column POP\_Cntry, BW colour ramp, 5 classes

Coordinate: -184.3,81.1 Scale: 1:157760751 Render EPSG:4326

- Open attribute table for country.shp
- Start editing
- Open field calculator
- New field Pop\_Densty
- Calculation  $\text{POP\_CNTRY} / \text{SQKM\_CNTRY}$

**Field calculator**

☐ Only update selected features ☐ Update existing field FIPS\_CNTRY

**New field**

Output field name:

Output field type: Whole number (integer)

Output field width:  Precision:

Fields	Values
CNTRY_NAME	182.926
SOVEREIGN	462.378
POP_CNTRY	641869.188
<b>SQKM_CNTRY</b>	2320972
SQMI_CNTRY	85808.203

**Operators**

Field calculator expression



Layers

Country

Layer Properties - Country

Style Labels Fields General Metadata Actions

Graduated

Symbol levels Old symbology

Column Pop\_densit

Symbol change

Classes 5

Color ramp [source]

Mode Quantile

Symbol	Range	Label
	-220.0000 - 11.0...	-220.0000 - 11.0000
	11.0000 - 40.0000	11.0000 - 40.0000
	40.0000 - 88.0000	40.0000 - 88.0000
	88.0000 - 221.00...	88.0000 - 221.0000
	221.0000 - 3012...	221.0000 - 30127.0000

Classify

Add class

Delete class

Advanced

Restore Default Style

Save As Default

Load Style ...

Save Style ...

OK

Cancel

Apply

Help

Coordinate: -188.6,121.8

Scale 1:157760747

Render EPSG:4326

13:07

- Save edits
- Change style to pop\_density colour ramp

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**Add vector table countrydata2.dbf**

**Open country.shp properties**

- **Select joins tab**
- **Add join to countrydata2 field country, to target field CTRY\_NAME**

**Layer Properties - Country**

Joins

Join field Target field

**Add vector join**

Join layer: CountryData2

Join field: COUNTRY

Target field: CTRY\_NAME

☒ Cache join layer in virtual memory

☐ Create attribute index on join field

OK Cancel

Restore Default Style Save As Default Load Style ... Save Style ...

OK Cancel Apply Help

Control rendering order

Value Tool

Active (Shift+A) Graph

Layer Value

Coordinate: -188.2,122.2 Scale: 1:157760747 Render EPSG:4326

14:10

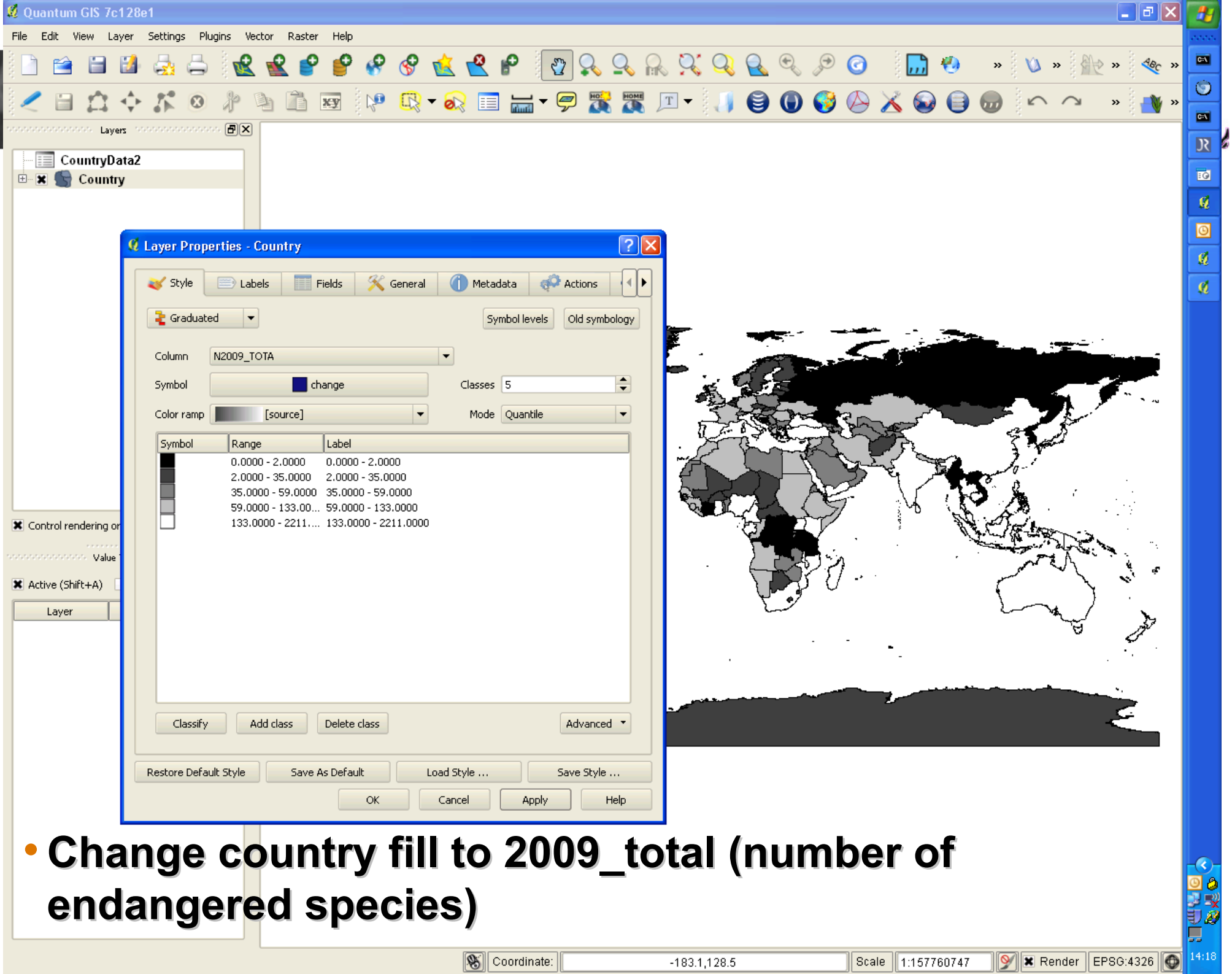
- Open attribute table for country.shp
- Now contains columns from redlist table

Attribute table - Country :: 0 / 251 feature(s) selected

	COLOR_MAP	Pop_densit	MAMMALS	BIRDS	REPTILES	AMPHIBIANS
0	1	367	3	1	2	0
1	2	141	NULL	NULL	NULL	NULL
2	3	27	11	13	1	1
3	3	12	14	11	8	3
4	4	64	7	15	9	0
5	6	119	3	6	4	2
6	7	113	9	10	7	0
7	8	122	2	0	1	0
8	1	9	14	19	4	0
9	2	284	1	8	2	0
10	8	12	35	50	5	29
11	4	2	55	49	40	47
12	1	93	4	9	1	0
13	6	107	1	0	3	0
14	7	0	1	5	0	0
15	8	876	3	4	4	0
16	1	592	3	1	4	0
17	2	2	6	8	0	0
18	3	1522	4	1	2	0
19	4	329	3	2	0	0
20	5	21	NULL	NULL	NULL	NULL
21	6	872	34	27	20	1

Look for  in FIPS\_CNTRY Search

☐ Show selected only ☐ Search selected only ☒ Case sensitive Advanced search ?



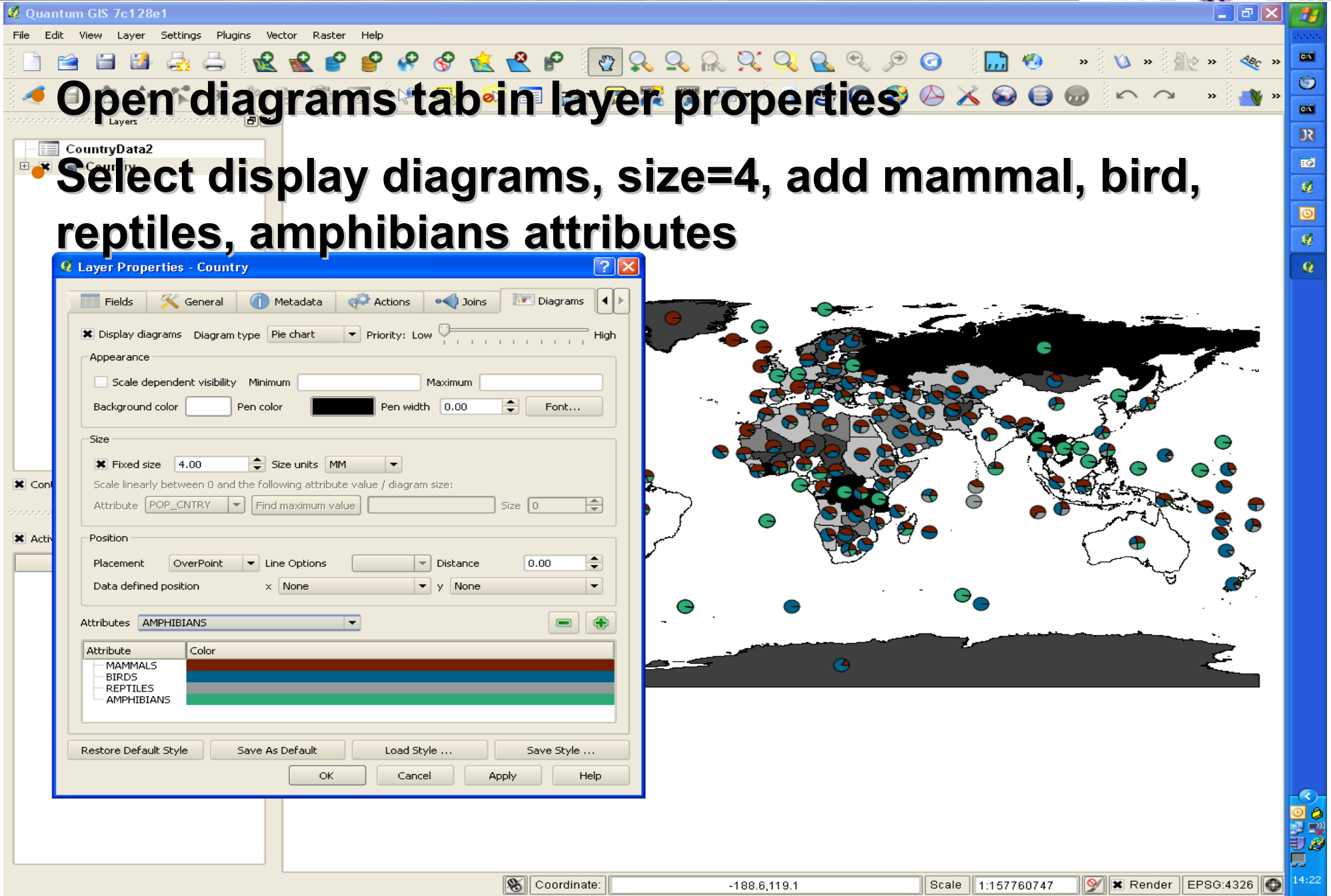


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# Open diagrams tab in layer properties

- Select display diagrams, size=4, add mammal, bird, reptiles, amphibians attributes



CountryData2

Layer Properties - Country

Fields General Metadata Actions Joins Diagrams

☒ Display diagrams Diagram type Pie chart Priority: Low High

Appearance

☐ Scale dependent visibility Minimum Maximum

Background color Pen color Pen width 0.00 Font...

Size

☒ Fixed size 4.00 Size units MM

Scale linearly between 0 and the following attribute value / diagram size:

Attribute POP\_CNTRY Find maximum value Size 0

Position

Placement OverPoint Line Options Distance 0.00

Data defined position x None y None

Attributes AMPHIBIANS

Attribute	Color
MAMMALS	Brown
BIRDS	Blue
REPTILES	Grey
AMPHIBIANS	Green

Restore Default Style Save As Default Load Style ... Save Style ...

OK Cancel Apply Help

Coordinate: -188.6,119.1 Scale 1:157760747 Render EPSG:4326 14:22

- Start new project
- Open country.shp and CountryData2.dbf
- Re-establish join
- Create a new column Endangered species / km2
- Note you need to specify at least 4 decimal precisions for the new field
- Colour countries by this column