

LINE ATTRIBUTE TABLES

GEOLOGICAL CONTACTS

Geological contact shapefiles [xxx_contacts]:

The geological contact attribute table contains one record for each segment of the polylines that define polygon outlines. Most of these lines represent contacts between units but some represent the boundaries between source maps. A file named **All_contacts** contains the complete set of lines.

Other contact files have been derived from the **All_contacts** file by deleting lines between polygons that contain the same full legend label (FULLLABEL). They provide edited line work appropriate to different views of the map. For the detailed map, the deleted lines are principally boundaries between source maps. For the generalized, lithofacies and tectonic assemblage maps, they include contacts between subdivisions of lumped units. The complete set of lines in the **All_contacts** file is always available and can be turned on as required.

An attribute table derived from the **All_contacts** file is attached to the various contact line files. The left and right polygon values have been used to compare the full legend label on each side of a line and generate the appropriate line work for the map at each level of detail. The full attribute table is attached to the **All_contacts** file, containing the full set of lines, and has all the fields listed below as well as left and right polygon values for all four different views of the map.

Each record in the table for the contact line files has the following nine fields (not ordered as shown), except the **All_contacts** file, which includes left and right values for all levels of detail and has fifteen fields:

<i>Line characteristics</i>	<i>Abbreviated name</i>
Reference number	FID*
Geometry	Shape*
Contact feature code	Feature
Original map source	Source_Id
Length of the line	Shape_Leng*
<i>Adjacent polygons</i>	
Polygon identifier to the left of the line	Left
Polygon identifier to the right of the line	Right
<i>Left polygon values</i>	
Full legend label for the left polygon	X_Fullab_L
<i>Right polygon values</i>	
Full legend label for the right polygon	X_Fullab_R

The value for X is either D, G, L or A depending on whether the set of lines being viewed should be used with the Detailed, Generalized, Lithofacies or Tectonic

Assemblage legend. It is emphasized that the line work for all four versions of the map is the same, except that lines have been deleted between polygons with the same legend label at the given level of detail.

Note that "Full legend label" is the same as field 3, 9, 23 or 28 in the polygon attribute table, depending on the level of detail.

Contact feature codes [Feature]:

Contact (unspecified)

Contact; gradational or transitional

Contact; assumed

Contact; approximate

Contact; defined

Contact, geophysical

Unconformity, assumed

Unconformity, approximate

Unconformity, defined

Unconformity

Limit of mapping

Topography close (Dummy line to close off polygons at the coastline)

Geology close (Dummy line to close off polygons under lakes and where polygons were left open-ended on the source map)

NTS, computer generated (Computer generated NTS area boundary)

Neatline, original source (NTS area boundary on the source map)

FAULTS

Fault shapefiles [faults]

The fault attribute table contains one record for each segment of a fault (fold axes are also included in a few areas). An attribute table derived from this file is attached to the various fault files. Fault files do not vary in level of detail. Each record in the table has the following four fields:

Line characteristics

Reference number
Geometry
Fault feature code
Original map source

Abbreviated name

FID
Shape*
Feature
Source_Id

Fault feature codes [Feature]:

Fault
Fault or major strain zone
Fault, approximate
Fault, assumed
Fault, defined
Fault, high angle, approximate
Fault, high angle, assumed
Fault, high angle, defined
Fault, high angle, dip direction known, approximate
Fault, high angle, dip direction known, assumed
Normal (solid circle on downthrow side)
Strike-slip, dextral, approximate
Strike-slip, dextral, defined
Strike-slip, sinistral, assumed
Strike-slip, sinistral, defined
Thrust (teeth on the upthrust side)
Thrust, 2nd generation, approximate
Thrust, 2nd generation, defined
Thrust, approximate (teeth on the upthrust side)
Thrust, assumed (teeth on the upthrust side)
Thrust, defined (teeth on the upthrust side)
Thrust, overturned, approximate