

R documentation

of 'PearceDestructive3.Rd'

February 13, 2019

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| PearceDestructive3 | <i>Nb/Y - Ti/Y (Pearce 1982)</i> |
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Description

Assigns data for Nb/Y vs. Ti/Y binary diagram into Figaro template (list 'sheet') and appropriate values into 'x.data' and 'y.data'.

Usage

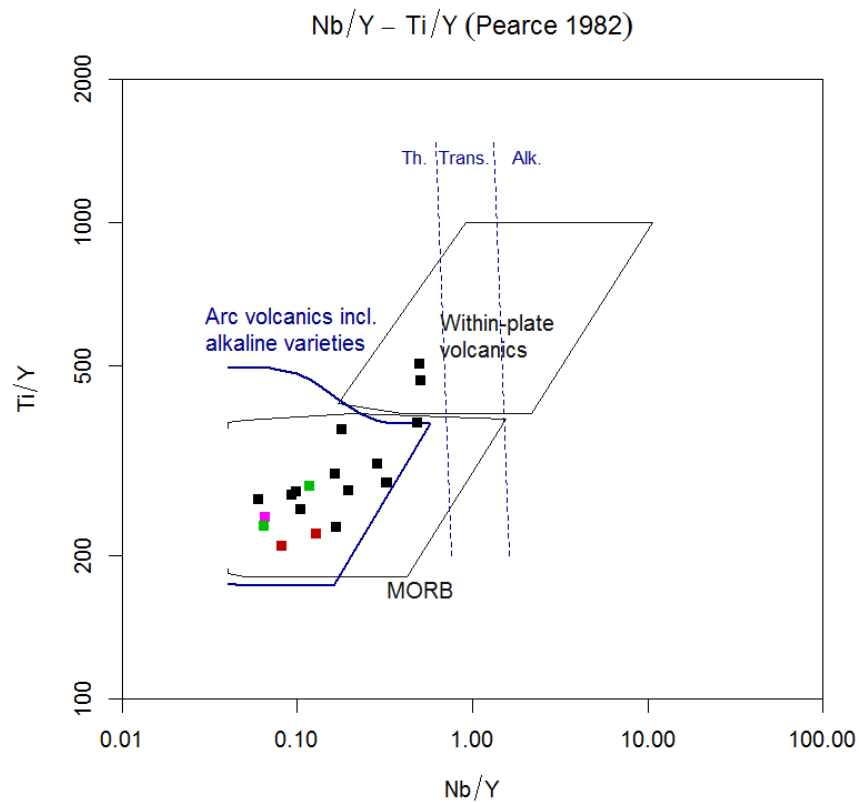
```
PearceDestructive3()
```

Arguments

None.

Details

The binary plot Nb/Y vs. Ti/Y of *Pearce (1982)* serves for geotectonic discrimination of volcanic-arc basalts. In addition, it can distinguish between the tholeiitic, calc-alkaline and shoshonitic types.



Value

| | |
|--------|-----------------------------------|
| sheet | list with Figaro Style Sheet data |
| x.data | x coordinates |
| y.data | y coordinates |

Author(s)

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References

Pearce JA (1982) Trace element characteristics of lavas from destructive plate boundaries. In: Thorpe RS (eds) Andesites; Orogenic Andesites and Related Rocks. John Wiley & Sons, Chichester, pp 525-548

Coordinates and graph layout are taken from website of [Kurt Hollocher](#).

See Also

[figaro plotDiagram](#)

Examples

```
# plot the diagram
# assuming a dataset is loaded, of course!
```

```
## Not run:  
plotDiagram("PearceDestructive3",FALSE,TRUE)  
  
## End(Not run)
```