

INTRUSIVE ROCKS (Unmetamorphosed)

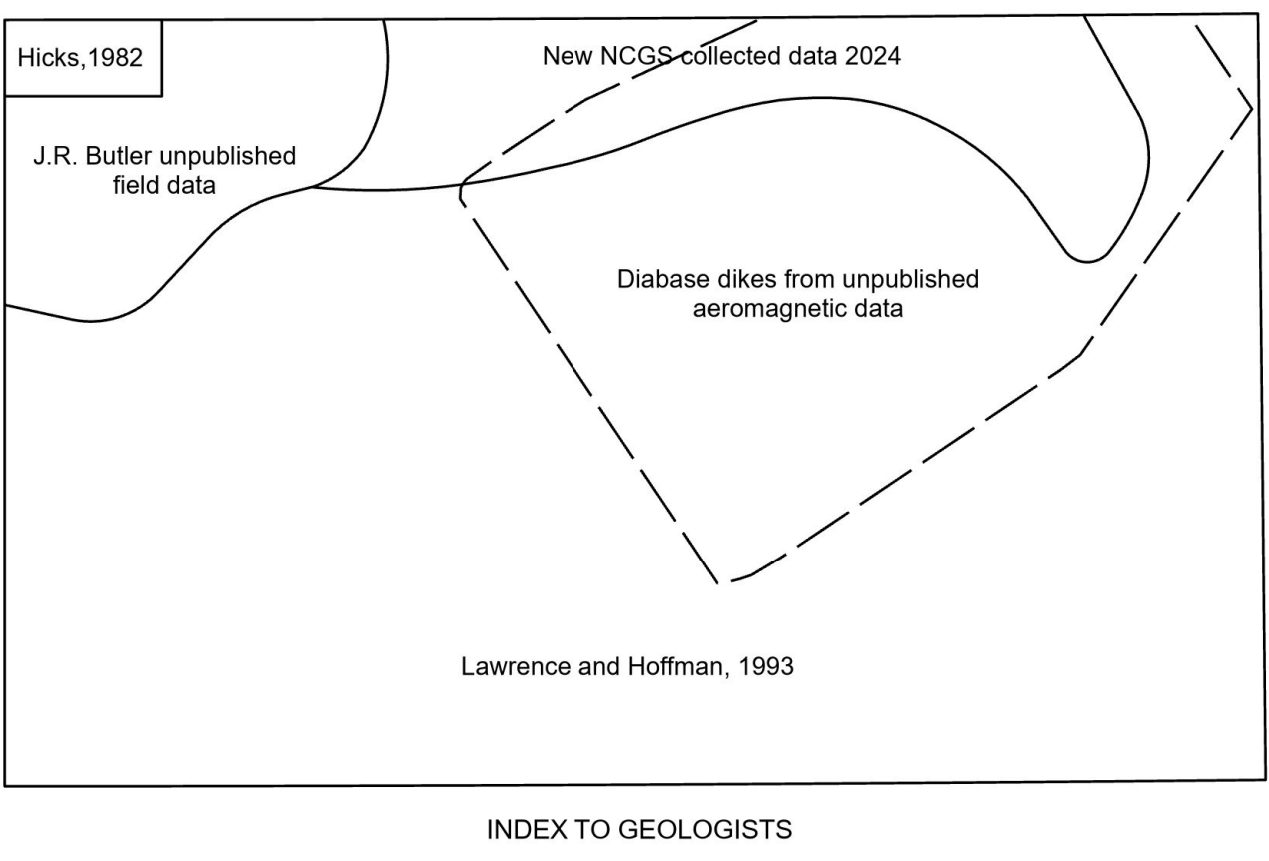
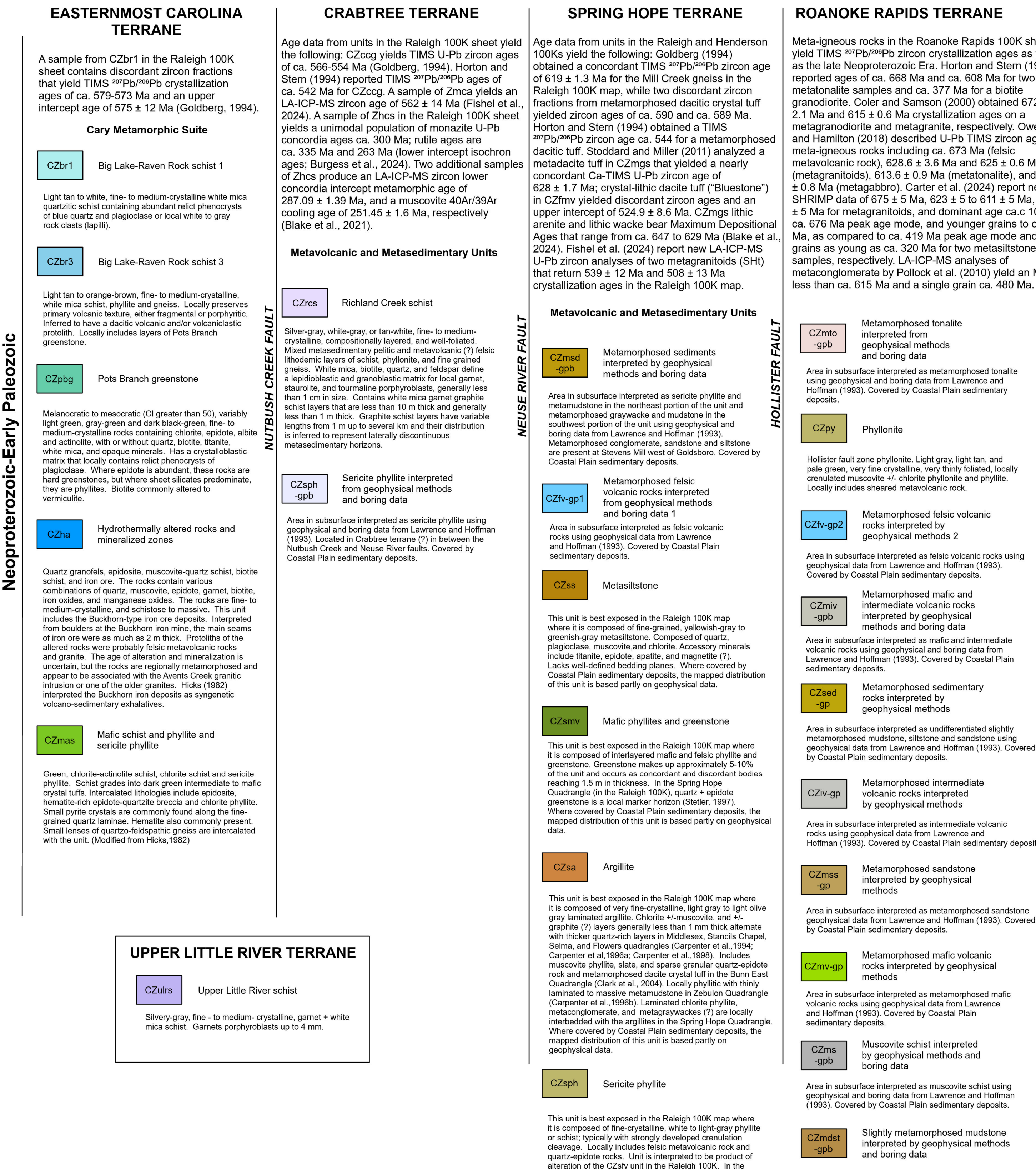
Diabase

Ppqc Avents Creek granite

Ppg Lillingdon Pluton

Legend:

- Light green: quartz, microcline perthite, and granophyre. Low color index, abundance of perthite, alkali feldspar, and oligoclase occurring above anorthite as a component of perthite are characteristic of this type of granite. Low accessory biotite, garnet, magnetite, and anthracite. Generally massive outcrops, but locally banded near wall rock contacts. Forms a large northward-trending pluton that extends northeast from the southwest corner of the Salpica 150K eastward (Gale, 2004).
- Light gray: quartz, microcline perthite, and granophyre. Low color index, abundance of perthite, alkali feldspar, and oligoclase occurring above anorthite as a component of perthite are characteristic of this type of granite. Low accessory biotite, garnet, magnetite, and anthracite. Generally massive outcrops, but locally banded near wall rock contacts. Forms a large northward-trending pluton that extends northeast from the southwest corner of the Salpica 150K eastward (Gale, 2004).
- Dark gray: quartz, microcline perthite, and granophyre. Low color index, abundance of perthite, alkali feldspar, and oligoclase occurring above anorthite as a component of perthite are characteristic of this type of granite. Low accessory biotite, garnet, magnetite, and anthracite. Generally massive outcrops, but locally banded near wall rock contacts. Forms a large northward-trending pluton that extends northeast from the southwest corner of the Salpica 150K eastward (Gale, 2004).



REFERENCES

EXPLANATION OF MAP SYMBOLS

CONTACTS, FAULTS AND OTHER FEATURES	
Inferred contact, dotted where concealed, dashed where questionable and/or covered by Coastal Plain sedimentary deposits	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Fault, queried where questionable and/or covered by Coastal Plain sedimentary deposits	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Concealed fault, ball and bar on downthrown block, queried where questionable	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Fault inferred, strike-slip, right-lateral, queried where questionable and/or covered by Coastal Plain sedimentary deposits	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
As of Cape Fearch	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Inferred disease ditch, dotted where concealed	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
Disease ditch, identified by geological methods	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BASE MAP FEATURES

Interstate	Index contour (10 foot interval)
US Route	minor contours
NC Route	river, creek or stream
Secondary route	lake or pond
	swamp/wetlands

Cartographic representation by Qingxin Zhang, Garrett J. Thompson, Michael A. Medina and Philip J. Bradley

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