

Table 1. Volume, composition, and tenor of alluvium and resources in monazite in the 44 drainage basins between the Savannah and Catawba Rivers, S. C.-N. C.--Continued.

River basins	Estimated volume of sediment explored (million cu. yds.)				Estimated resources in monazite (million pounds)				Tenor (pounds per cubic yard)			
	Clay	Silt and sand	Gravel	Total	Clay	Silt and sand	Gravel	Total	Clay	Silt and sand	Gravel	Weighted average
Broad River (Appraised by P.K. Theobald, Jr., A.M. White, J.W. Whitlow, and W. C. Overstreet, 1951-53.)												
26. Thicketty Creek Cherokee and Spartanburg Counties, S. C.	21.96	32.20	4.88	59.04	5.84	36.30	12.40	54.54	0.3	1.1	2.5	0.9
27. Cherokee Creek and other tributaries to the Broad River Spartanburg and Cherokee Counties, S. C.; Rutherford and Cleveland Counties, N. C.	9.28 (a)	18.33 (a)	2.75 (a)	120.03 (b)	4.24 (a)	38.04 (a)	9.19 (a)	85.57 (b)	0.4 (c)	2.1 (c)	3.3 (c)	0.7 (d)
28. McKinney Creek and other southern tributaries to the Broad River Polk and Rutherford Counties, N. C.	2.92	11.20	1.26	15.38	0.21 (a)	4.20 (a)	0.89 (a)	7.20 (e)	0.07 (c)	0.4 (c)	0.7 (d)	0. (d)
29. Buffalo Creek and the Boween River Cleveland and Lincoln Counties, N. C.; Cherokee County, S. C.	17.23	70.31	13.47	101.01	4.92	61.52	24.04	90.48	0.3	0.9	1.8	0.
30. Sandy Run, Brushy Creek, and Beaverdam Creek Cleveland and Rutherford Counties, N. C.	18.04 (a)	41.00 (a)	6.79 (a)	82.20 (f)	8.23 (a)	83.82 (a)	28.11 (a)	132.76 (f)	0.5 (c)	2.0 (c)	4.1 (c)	1. (d)
31. Knob Creek, and other tributaries to the First Broad River Cleveland County, N. C.	8.69 (a)	23.04 (a)	6.71 (a)	43.85 (g)	3.78 (a)	54.80 (a)	27.64 (a)	90.02 (g)	0.4 (c)	2.4 (c)	4.1 (c)	2.1 (d)
32. Hinton Creek and adjacent streams entering the First Broad River Rutherford and Cleveland Counties, N. C.	7.72	37.91	12.73	58.36	2.43	48.44	27.51	78.38	0.3	1.3	2.2	1.3
33. Floyds Creek and neighboring tributaries to the Broad River Rutherford County, N. C.	12.19 (a)	36.76 (a)	7.01 (a)	75.92 (h)	4.97 (a)	47.40 (a)	18.44 (a)	85.45 (h)	0.4 (c)	1.3 (c)	2.6 (c)	1.1 (d)
34. Gatheys Creek and adjoining streams tributary to the Second Broad River -- Rutherford and McDowell Counties, N. C.	19.57 (a)	61.93 (a)	14.62 (a)	105.04 (i)	3.82 (a)	48.18 (a)	18.18 (a)	73.78 (i)	0.2 (c)	0.8 (c)	1.2 (c)	0.7 (d)
35. Mountain Creek and other tributaries to the Broad River Rutherford County, N. C.	5.27	21.60	2.36	29.23	0.51	11.02	2.10	13.63	0.1	0.5	0.9	0.5
Totals and averages	121.04 (a)	346.40 (a)	71.41 (a)	690.06	38.95 (a)	433.72 (a)	168.50 (a)	711.81 (c)	0.3 (c)	1.3 (c)	2.4 (c)	1.0 (d)
Catawba River (Appraised by A. M. White, 1952-53.)												
36. Indian Creek and other tributaries to the South Fork Catawba River -- Lincoln, Catawba, and Gaston Counties, N. C.	16.79 (a)	44.97 (a)	6.39 (a)	128.15 (j)	4.44 (a)	54.67 (a)	13.95 (a)	103.06 (j)	0.3 (c)	1.2 (c)	2.2 (c)	0.8 (d)
37. Clark Creek Catawba and Lincoln Counties, N. C.	9.33	39.43	4.31	53.07	1.03	17.54	3.43	22.00	0.1	0.4	0.8	0.4
38. Jacob Fork and adjoining streams Burke, Catawba, Cleveland, and Lincoln Counties, N. C.	6.94	19.76	4.28	30.98	1.03	17.21	8.15	26.39	0.1	0.9	1.9	0.8
39. Downstream part of Henry Fork Burke and Catawba Counties, N. C.	6.36	19.50	2.80	28.66	1.37	20.84	5.19	27.40	0.2	1.1	1.9	1.0
40. Laurel Creek and neighboring tributaries to Henry Fork Burke County, N. C.	1.03	5.63	0.62	7.28	0.16	3.75	0.66	4.57	0.2	0.7	1.1	0.6
41. Lyle Creek and adjacent streams entering the Catawba River Catawba County, N. C.	8.44	39.06	4.83	52.33	0.66 (a)	10.56 (a)	2.22 (a)	22.70 (k)	0.08 (c)	0.3 (c)	0.5 (c)	0.4 (d)
42. Hunting Creek and other tributaries to the Catawba River Burke County, N. C.	3.14	10.35	1.46	14.95	0.53	8.62	1.94	11.09	0.2	0.8	1.3	0.7
43. Silver Creek Burke County, N. C.	11.44	24.87	3.10	39.41	2.35	25.70	5.37	33.42	0.2	1.0	1.7	0.8
44. Muddy Creek and Shadrack Creek McDowell County, N. C.	14.38	37.53	6.46	58.37	2.11 (a)	24.49 (a)	6.93 (a)	37.03 (l)	0.1 (c)	0.7 (c)	1.1 (c)	0.6 (d)
Totals and averages	77.85 (a)	241.10 (a)	34.25 (a)	413.20	13.68 (a)	183.38 (a)	47.84 (a)	287.66	0.2 (c)	0.8 (c)	1.4 (c)	0.7 (d)
Grand Totals and Averages	493.03 (a)	1210.89 (a)	194.04 (a)	2109.17	98.78 (a)	1051.62 (a)	337.78 (a)	1601.58	0.2 (c)	0.9 (c)	1.7 (c)	0.8 (d)

- (a) Incomplete sum.
- (b) Includes 89,670,000 cubic yards of undifferentiated sediment containing 34.1 million pounds of monazite along the Broad River.
- (c) Tenor for a part of the total alluvium.
- (d) Tenor for the total.
- (e) Includes 1.9 million pounds of monazite in 3,830,000 cubic yards of sediment for which the tenor was not calculated for kind of sediment.
- (f) Includes 16,370,000 cubic yards of undifferentiated sediment having 12.6 million pounds of monazite along the First Broad River.
- (g) Includes 5,410,000 cubic yards of undifferentiated sediment containing 3.8 million pounds of monazite along the First Broad River.
- (h) Includes 19,960,000 cubic yards of undifferentiated alluvium having 14.64 million pounds of monazite along the Second Broad River and Broad River.
- (i) Includes 8,920,000 cubic yards of sediment with 3.60 million pounds of monazite along the Second Broad River.
- (j) Includes 60,000,000 cubic yards of alluvium with 30.0 million pounds of monazite along the South Fork Catawba River.
- (k) Includes 9.26 million pounds of monazite in 23,990,000 cubic yards of sediment for which the tenor was not calculated for kind of sediment.
- (l) Includes 3.50 million pounds of monazite in 8,730,000 cubic yards of sediment for which the tenor was not calculated for kind of sediment.

