

Table 18.--Tin deposits known and reported in the Carolina belt 1/

Number of deposit on pl. 38	Plate showing deposit	Name or location	Type of ore body 2/	Thickness (inches)	Strike length (feet)	Pitch length (feet)	Type of wall rock 3/	Strike of wall rock	Dip of wall rock	Attitude of ore body 4/	Maximum depth of workings (feet)	References 5/ and remarks
1	.....	S. T. Carpenter.....	G	.....	.....	.....	M	.....	.....	.....	.....	.....
2	41	Ka-Mi-Tin Concentrating Co.....	G	24	9+	.....	M	N. 15° E.....	65° NW.....	C	10	.....
3	41	.....do..... (Swamp shaft No. 1).....	.....	72	30	.....	.....	.....	.....	.....	70	Inaccessible. Information from Stuart St. Clair.
4	41	.....do..... (Jake open cut).....	G	6	10±	.....	M	Variable.....	SW. and NW.....	C	.....	Minor showing of ore 200 ft. to the southeast.
5	41	.....do..... (Condon shaft).....	.....	.....	.....	.....	M	NE. ?.....	NW. ?.....	.....	140 ?	Eight thin bodies in adjacent open cuts. (3) Pp. 21-22. (5) P. 73.
6	.....	0.3 mile south of Condon shaft.....	G	.....	.....	.....	M	.....	.....	.....	.....	.....
7	.....	Henry shaft.....	.....	12-24	.....	.....	M	NW.....	75° SW. ?.....	C ?	60	(5) P. 21. Only float ore seen in 1940.
8	.....	J. Mostellar.....	G	.....	.....	.....	M and H	N. 10° E. to N. 8° W.....	65° NW. to 63° SW.....	.....	.....	.....
9	.....	{Old Well shaft.....	.....	.....	.....	.....	M	N. 17° E.....	Steep NW.....	.....	65 ft. to water	.....
10	.....	{Ka-Mi-Tin Concentrating Co.....	G	5	.....	.....	M	N. 18° W.....	62° SW.....	C	.....	.....
11	.....	Upper Mostellar cut.....	G (2)	4, 6	.....	.....	M	Variable.....	Variable.....	C	20	Ore associated with unconformable pegmatite body.
12	40	J. E. Gates.....	.....	.....	.....	.....	M	N. 33° E.....	65° NW.....	.....	30	Ore reported found in well. Occurs in gully near well, and as float 250 ft. northwest of well.
13	40	Metcalf prospect.....	G and F	1½, 6, 18	All 9+	.....	H	N. 65° E.....	65° NW.....	U	20	Greisen gangue, 18-in. body. Feldspathic gangue, 1½- and 6-in. bodies. Two occurrences of float ore to the northwest.
14	.....	{1,550 ft. N. 70° W. from Metcalf prospect.....	G	.....	.....	.....	H	NE.....	NW.....	.....	.....	.....
15	.....	{J. M. L. Carpenter.....	G	.....	.....	.....	M	N. 47° E.....	72° NW.....	C ?	40	Shaft inaccessible.
16	.....	{Paul Hastings.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pit 18 ft. deep reported sunk on ore in summer of 1940. Information from Julian S. Jacobs.
17	.....	T. S. Hastings.....	G	.....	.....	.....	M	N. 55° E.....	62° NW.....	C ?	14	Shaft inaccessible.
18	40	{Allen prospect.....	G	24	20+	.....	M and H	N. 85° E.....	75° NW.....	U	2	(6) Pp. 145-146. Also float ore 750 ft. N. 25° W. Early work, results unknown.
19	40	{Baldwin prospect.....	G	.....	.....	.....	H	NE.....	NW.....	.....	45	Two occurrences within strike distance of 175 ft.
20	40	{2,225 ft. N. 70° W. from Allen prospect.....	G (2)	.....	.....	.....	M and H	NE.....	NW.....	.....	.....	Five ore bodies, indicated by float ore, within radius of 800 ft.
21	40	{Vicinity of Jenkins farm.....	G	.....	.....	.....	M and H	NE.....	NW.....	.....	.....	Ore also reported found in adjacent shallow shaft. Ore seen in place, 1939. Pit since filled.
22	.....	{J. W. Whitesides.....	G	24	.....	.....	M	N. 50° E.....	70° NW.....	C	3	1/4 mile apart; float ore found.
23	.....	{L. A. C. Kizer.....	G	24	.....	.....	M	N. 35° E.....	65° NW.....	C	10	.....
24	.....	{Fred Mauney and Gus Clark farms.....	G	.....	.....	.....	M and H	.....	.....	.....	.....	.....
25	.....	Julia Weathers.....	G (2)	4, 18	.....	.....	M	N. 8° E.....	48° NW.....	C	3	Float ore richer than that in place.
26	.....	Pink Wright.....	G	.....	.....	.....	M	.....	.....	.....	.....	.....
27	.....	Jones mine.....	G and F	"Few" to 48	20-50	125±	H	N. 30° E.....	55° NW.....	U	175	(1) Pp. 29-30. (2) Pp. 46-48, 53-54. (3) P. 20.
28	.....	Seaman prospect.....	.....	.....	.....	.....	M	N. 15° W.....	45° SW.....	.....	45 ?	Shaft inaccessible.
29	.....	Holland prospect.....	G	4 ?	.....	.....	M	N. 70° E. ?.....	.....	.....	9+	.....
30	.....	Ramseur Mill prospect.....	G	12-24 ?	.....	.....	H	N. 27° E.....	55° NW.....	U ?	30	(3) P. 29. (6) Pp. 143-144. Only float ore seen in 1940.
31	.....	M. V. Hovis prospect.....	G	.....	.....	.....	H	N. 60° E.....	65° NW.....	.....	35	Shaft inaccessible.
32	.....	E. A. Berry.....	.....	.....	.....	.....	M and H	N. 10° W.....	50° SW.....	.....	.....	.....
33	.....	J. A. Ormond.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Shallow pit reported to have encountered a little ore in 1936; now filled. No ore seen in 1940.
34	.....	Ormond-Carr prospect.....	G and F	3-6	.....	.....	M and H	.....	.....	.....	8+	Shaft inaccessible.
35	.....	Cole farm.....	G	.....	.....	.....	M and H	.....	.....	.....	.....	.....
36	.....	Kizer-Mauney farm.....	.....	.....	.....	.....	M ?	.....	.....	.....	.....	No ore seen in 1940. Earlier discovery reported.
37	.....	M. Ormond farm.....	G	.....	.....	.....	M	.....	.....	.....	.....	.....
38	.....	John Plonk farm.....	G	.....	.....	.....	M	N. 20° E.....	60° NW.....	G ?	8	.....
39	.....	J. C. Horton shaft.....	.....	.....	.....	.....	M	N. 13°-23° E.....	63°-70° NW.....	.....	122 ?	(1) P. 28. Shaft inaccessible.
40	.....	Frank Summers farm.....	G	.....	.....	.....	.....	.....	.....	.....	.....	Float ore.
41	.....	Mauney Park.....	G	6 (24?)	.....	.....	M and H	N. 5° E.....	Vertical.....	C	5±	(6) Pp. 142-143.
42	.....	Kings Mountain mine.....	.....	.....	.....	.....	M and H	Variable.....	Variable.....	.....	75 (160?)	Float ore found in 1940, 450 ft. S. 70° W. of main shaft.
43	.....	Occurrences reported in town of Kings Mountain, now hidden by buildings and pavements:	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ore body reported in well.
44	.....	(a) Property of O. W. Meyers, 112 N. Piedmont Ave. (formerly Captain Suggs place).	.....	.....	.....	.....	.....	.....	.....	.....	.....	Tunnel reported to have cut ore body.
45	.....	(b) Near Post Office.	.....	.....	.....	.....	.....	.....	.....	.....	.....	Early discovery of cassiterite "in granite" reported.
46	.....	(c) Short distance south of end of West Gold St.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
47	.....	0.15 mile southeast of Bonnie Mill.....	.....	.....	.....	.....	M and H	NE.....	NW.....	.....	.....	Cassiterite float.
48	.....	Falls prospect.....	G	24	.....	.....	M	N. 35° E.....	60° NW.....	C	15+	No ore seen in 1940. (1) P. 28. (6) Pp. 138-139.
49	39	Faires mine.....	G and F	Variable	.....	.....	H mostly	N. 35° E.....	75° NW.....	C	40	(2) Pp. 48-49.
50	39	435 ft. northeast of Faires main shaft.....	G and F	9-18	.....	.....	M	N. 35° E.....	70° NW.....	C	10	.....
51	39	Atlas shaft.....	F	24	.....	.....	M	N. 25° E.....	60° NW.....	C	125	Cassiterite float found 575 feet N. 57° W. of shaft.
52	39	1,825 ft. southwest of Faires main shaft.....	G	.....	20±	.....	M	N.....	W.....	C	.....	350 ft. northeast of Miller residence. Trench now filled.
53	39	Mike Plonk prospect.....	G	42	9+	.....	M	N. 32° E.....	50° NW.....	C	.....	Float ore seen within 200 ft. southwest.
54	39	1,350 ft. northwest of Plonk prospect.....	G	.....	.....	.....	M and H	NE.....	NW.....	.....	85	North end of a series of six exposed ore bodies prospected by A. R. Ledoux in 1888-89, and later by Blue Ridge Tin Corporation. Thickest body reported 3 ft. Maximum seen in 1939, 2 ft. Maximum strike length possibly 275 ft. Thickness and grade known to be uneven in all. Two occurrences of float ore. See map, plate 39. (6) P. 140.. (1) P. 24-26.
55	39	2,000 ft. S. 55° E. of Park Yarn mill.....	G and F	.....	.....	.....	M and H	NE.....	NW.....	.....	.....	.....
56	39	2,825 ft. S. 10° E. of Park Yarn mill.....	G (2)	Each less than 6	.....	.....	M	NE.....	NW.....	C	.....	.....
57	39	3,300 ft. due south of Park Yarn mill.....	G and F	.....	.....	.....	M and H	NE.....	NW.....	.....	130	North end of a series of five exposed ore bodies prospected by Blue Ridge Tin Corporation about 1897. One may have had a strike length of 250 ft.; maximum thickness is 4 ft., minimum thickness 10 in. in two exposures; grade uneven. Other four bodies much smaller. See map, plate 39. (6) P. 141.
58	39	1,675 ft. S. 60° E. of Compact School.....	G	4-12	75 ?	.....	M	N. 25° E.....	75° NW.....	C	3	.....
59	39	3,000 ft. S. 64° E. of Compact School.....	.....	.....	.....	.....	.....	NE.....	NW.....	.....	.....	Float pegmatite, and grains of cassiterite, columbite, and andalusite in soil residual from crystalline limestone.
60	39	3,025 ft. S. 3° E. of Compact School.....	G	6	.....	.....	M	N. 20° E.....	65° NW.....	C	.....	.....
61	39	3,550 ft. from Hwy. 29 along Dixon School road.....	G	1.5	.....	.....	M	N. 40° E.....	60° NW.....	U	.....	Exposed in 2½-ft. gully.
62	39	215 ft. west of locality 54.....	F	6	.....	.....	H	N. 30° E.....	60° NW.....	.....	.....	25 ft. north of spodumene prospect.
63	39	Ross prospect.....	G	.....	.....	.....	M	N. 60° E.....	70° NW.....	.....	3	.....
64	39	1,475 ft. S. 47° W. of locality 56.....	G	6	.....	.....	M	N. 45° E.....	60° NW.....	C	2	.....
65	.....	J. Patterson farm.....	G	.....	.....	.....	M	N. 45° E.....	65° NW.....	C	7	Opening filled. Ore seen only as float in 1940. Float ore also found 1,300 ft. northeast, at north end of prominent pegmatite.
66	.....	Shiloh Church.....	G	2	25 ?	.....	M and H	N. 75° E.....	70° NW.....	Variable	.....	Ore in west bank of road.
67	42	Ross mine.....	F	Compound 24-108	107 ?	200±	H	N. 46° E.....	53° SE.....	C	121	(1) Pp. 22-24. (2) Pp. 49-50, 54. (4) Pp. 85-93. No ore in place now exposed.

1/ Names of deposits are based on local sources of information.
 2/ G, greisen gangue; F, feldspathic gangue. (2) indicates two ore bodies.
 3/ M, muscovite schist or fine-grained gneiss; H, hornblende gneiss.
 4/ C, conformable with attitude of wall rock; U, unconformable.

5/ Information published by earlier investigators and impossible to verify in this investigation. Numbers in parentheses indicate references listed below:

- (1) Pratt, J. H., and Sterrett, D. B., The tin deposits of the Carolinas: North Carolina Geol. Survey Bull. 19, 1904.
- (2) Graton, L. C., A reconnaissance of some gold and tin deposits of the southern Appalachians: U. S. Geol. Survey Bull. 293, 1906.
- (3) Pratt, J. H., The mining industry in North Carolina during 1905: North Carolina Geol. Survey Econ. Paper 11, 1907.
- (4) Sloan, Earle, Catalogue of the mineral localities of South Carolina: South Carolina Geol. Survey, ser. 4, Bull. 2, 1908.
- (5) Pratt, J. H., The mining industry in North Carolina during 1911 and 1912: North Carolina Geol. Survey Econ. Paper 34, 1914.
- (6) Keith, Arthur, and Sterrett, D. B., Tin resources of the Kings Mountain district, N. C. and S. C.: U. S. Geol. Survey Bull. 660-D, 1917.