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DOCUMENTATION FOR
CHAPTERS IN PREHISTORY OF EASTERN ARIZONA, II

By Paul S. Martin, John B. Rinaldo, and William Longacre

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PREFACE

The accompanying document is essentially a catalogue of all the stone, bone, shell and baked clay artifacts recovered at the Carter Ranch Site during the two seasons 1961-1962. A generalized description and specific dimensions of individual specimens are given along with other details. In addition, detailed site maps, showing the distribution of 175 elements of pottery designs at the Carter Ranch Site used in the analysis of stylistic attributes to recover sociological information, are included. Tables of the relative frequency of design-elements at the Carter Ranch Site and a series of contemporary sites used in the analysis follow the individual maps. Information on sites LS-171 through LS-232 located by our archaeological surface survey forms the final section of this report.

These data were recovered by the Southwest Archaeological Expedition of the Chicago Natural History Museum under the leadership of Dr. Paul S. Martin. The excavation of the Carter Ranch Site and the survey program was financed in part by the National Science Foundation (Grant No. 22028).

The Carter Ranch Site (LS 155 in the Longacre survey) is a medium-sized pueblo of perhaps forty rooms, two lesser kivas and a Great Kiva. The kivas, twenty-three secular rooms and a small series of alcove rooms adjoining Kiva I were excavated. The site

is located on the southern end of the Carter Ranch nine miles southeast of the town of Snowflake in east-central Arizona. The site stands on the banks of Hay Hollow, a tributary of the Little Colorado River (SE 1/4, NW 1/4, Sec. 21, Twp. 13N., R. 23 East of the Gila and Salt River Meridian).

The pueblo is constructed of rough sandstone masonry in the form of a square "U". Between the arms of the "U" there is contained a plaza divided into two parts by a low stone wall. The northern part of this plaza contained the two lesser kivas, the southern part, some slab-lined cooking pits. The circular Great Kiva lay ca. 10 meters northwest of the pueblo.

We are grateful to Mr. and Mrs. James Carter, who generously permitted us to dig the site and to bring back to the Museum the artifacts recovered for analysis and exhibit.

The Carter Ranch Site has been tentatively dated at about A.D. 1120-1250, on the basis of cross-dating with pottery types, pollen spectra, varieties of corn, and Carbon 14 analysis(GRN 4112, A.D. 1120 $\pm$ 70; and GRN 4113, A.D. 1110 $\pm$ 70).

The data from the Carter Ranch Site are presented in two sections. Part I contains those artifacts excavated in 1961, Part II those from the 1962 season. In the latter section, the descriptions are followed by numbers in brackets signifying the number of specimens excavated. The grand total for a particular

type from both seasons stands alone without a modifier, the total for the 1961 season is followed by a hyphen and the numerals "61"; for the 1962 season, by a hyphen and "62". Although the classes of artifacts recovered during the two seasons coincide in all the major categories, a few minor categories were not recovered in 1962 and do not appear in Section II (for example, manos Class Ib); and, a few are added that were not recovered in 1961 (e.g., foot effigies).

The details which are presented here should extend the usefulness of the entire mass of data for comparative analysis. Analyses based upon data herein reported will be found in "Chapters in the Prehistory of Eastern Arizona, II" by Martin, Rinaldo, Longacre, et al (Fieldiana: Anthropology, in press) and "Archaeology as Anthropology : A Case Study" by Longacre (Fieldiana: Anthropology, in press).

Paul S. Martin

John B. Rinaldo

William A. Longacre

PART I. 1961 Season

MANOS

Single Grinding Surface

(Ia) Rectangular in outline, (five specimens oval), twenty-one specimens with surfaces parallel, eighteen wedge shaped in cross section, grinding surface convex (39).

Occurrence: Rooms 3, 4, 5, 7, 12, 15 fill; Kiva 1 fill; Rooms 3, 4, 6, 10, 11 floor; Trenches A, B, C, D, E, G.

Dimensions: Length, 10.3 - 27.0 cm., average 20.6 cm. (2 one hand manos, 27 fragments); width, 8.0 - 13.3 cm., average, 10.2 cm.; thickness, 1.7 - 6.8 cm., average, 3.6 cm.

Materials: Tufaceous sandstone, sandstone

(Ib) Rectangular in outline, grinding surface convex lengthwise, slightly convex crosswise, (5).

No.	L.	W.	Th.	Material	Occurrence
281000	15.1+	11.1	4.6	Tuff	Trench D, Sq. 1, Level 4
66	13.3+	12.2	4.4		Trench G, Sq. 3, Level 2
74	11.4+	10.3	3.1		Trench E,Sq.2L2, Level 1
263	14.5+	10.3	3.4		Room 4, Floor II
280992	24.0	11.4	5.4		Room 3, Floor

(Ic) Rectangular in outline, (two specimens oval), surfaces parallel, five specimens wedge shaped in cross section, grinding surface slightly convex (19).

No.	L.	W.	Th.	Material	Occurrence
8	9.0+	10.0	3.5		Trench A, Sq. 5L4, Ashy
12	18.3	11.6	4.1		Trench A,Sq.4L4, Level 1
20	11.7+	10.8	3.8		Trench E, Sq. 1, Level 1
45	7.0+	8.0	3.9		Room 3, Fill
50	9.6+	10.5	2.0		Trench B,Sq.1R4, Level 1
51	18.8+	9.0	2.5		Trench B,Sq.1R4, Level 1
70	10.5+	11.8	2.5		Room 3, Fill
93	11.6+	7.4	1.8		Trench B,Sq.1L1, Level 1
97	21.7+	11.7	3.3		Trench D, Sq.1L1, Level 1
124	14.6+	10.9	3.3		Room 5, Fill
133	14.3+	12.6	5.0		Kiva 1, Trench
156	23.7	11.3	8.0		Room 8, Fill
197	10.7+	7.3	2.0		Room 12, Fill
219	8.0+	11.3	3.0		Room 12, Fill
221	26.0	12.1	4.0		Room 5, Fill
281179	22.4	10.2	3.9	Sandstone	Room 5, Floor
293	13.4+	10.2	3.1		Kiva 1, Fill
278	20.6	11.2	3.9		Kiva 1, Fill
283	19.0+	10.8	5.0		Kiva 1, Fill

(Id) Rectangular with rounded corners in outline, (one specimen oval), surfaces parallel, grinding surface flat (34).

Occurrence: Rooms 3, 7, 12, 15 fill; Kiva 1, fill; Rooms 7, 10, 15, floor; Kiva 1, floor; Trenches A, B, C, D, E, G.

Dimensions: Length, 19.9 - 25.5 cm., average, 23.3 cm. (28 fragments); width, 7.6 - 13.7 cm., average, 10.9 cm.; thickness, 1.4 - 5.3 cm., average, 3.5 cm.

Materials: Sandstone

(Ie) Rectangular in outline, grinding surface convex and transitional to beveled shape (24).

No.	L.	W.	Th.	Material	Occurrence
281257	23.5	11.0	3.1	Sandstone	Trench C, Sq. 3, Level 1
11	19.3+	11.1	3.2		Trench C, Sq. 3, Level 1
38	11.6+	11.1	3.5		Trench E, Sq. 2, Firepit
47	17.0+	11.3	2.0		Trench B, Sq.1R3, Level 2
49	6.9+	8.9	2.7		Trench G, Sq. 1, Level 4
56	7.3+	11.8	2.7		Trench C, Sq.8L1, Level 2
60	7.5+	9.1	1.8		Room 3, Fill
62	12.0+	12.3	3.0		Trench G, Sq.2L1, Level 1
73	9.5+	10.6	2.4		Trench G, Sq.2L1, Level 1
88	22.3+	8.7	2.5		Room 3, Fill
99	24.4	11.6	4.4		Room 4, Floor
135	10.7+	10.3	3.4		Trench D, Sq.2L1, Level 1
140	16.8+	12.2	2.0		Room 3, Floor
154	11.2+	13.3	3.3		Trench B, Sq.3R5, Level 3
161	14.2+	10.8	3.0		Trench G, Sq.6L1, Level 1
173	8.6+	8.0	3.3		Room 12, Fill
183	23.8	7.2	3.7		Trench C, Sq.1L1, Level 3
281319	26.0	11.6	3.9	Sandstone	Room 6, Below floor

MANOS (Continued)

No.	L.	W.	Th.	Material	Occurrence
227	18.6+	12.4	2.1		Room 5, Floor
229	12.1+	9.8	2.6		Room 12, Fill
235	11.4+	9.5	2.4		Room 12, Fill
241	8.8+	10.3	3.1		Room 15, Floor
291	23.8	9.1	3.2		Kiva I, Fill
310	10.4+	8.5	3.0		Jug shaped pit near Kiva 1

(If) Rectangular to elongated oval in outline, one grinding surface beveled in a double plane with a longitudinal ridge between (11).

No.	L.	W.	Th.	Material	Occurrence
3	8.5+	7.7	2.8		Trench E, Sq.2R1, Level 1
4	7.8+	7.5	3.2		Trench E, Sq.2R1, Level 1
21	13.2+	10.7	3.8		Trench A, Sq.3L1, Level 1
22	14.1+	9.1	2.4		Trench D, Sq. 1, Level 1
28	13.8+	9.7	1.7		Trench E, Sq. 3R1, Level 1
63	12.3+	9.6	2.7		Trench G, Sq. 3, Level 1
72	9.5+	7.5	1.8		Trench G, Sq.3L1, Level 1
80	9.5+	6.8	2.3		Trench E, Sq.2L2, Level 1
104	17.6	8.2	3.4		Room 4, Floor
262	11.0+	8.1	2.5		Room 17, Trench
308	14.8+	9.1	4.0		Room 16, Floor

MANOS (Continued)

(IIa) Rectangular with rounded corners in outline, (two specimens oval); five specimens wedge shaped in cross s. .ion, remainder with surfaces parallel, two convex grinding surfaces (15).

No.	L.	W.	Th.	Material	Occurrence
32	9.8+	9.8	3.4		Trench E, Sq. 2, Firepit
46	5.4+	11.6	2.4		Room 3, Fill
48	6.0+	4.8+	2.6		Room 2, Fill
57	10.7+	6.7	3.7		Trench C, Sq.8L1, Level 2
116	12.5+	10.9	4.9		Room 7, Fill
281321	23.3	10.3	2.8		Room 8, Fill
159	7.2+	7.6	3.1		Trench B, Sq.3R5, Level 4
171	17.7	9.1	3.5		Trench B, Sq.4R4, Level 2
179	14.5	9.9	7.0	(One Hand Mano)	Room 6, Fill
199	10.5	8.7	3.5	(" " ")	Room 12, Fill
215	11.7+	9.6	4.5		Room 12, Fill
226	17.9+	10.4	2.6		Room 15, Fill
228	8.8+	12.2	2.9		Room 15, Fill
243	10.7+	8.2	4.6		Room 15, Fill
305	20.8+	11.7	3.5		Kiva 1, Fill

(IIb) Rectangular in outline, (one oval specimen), surfaces parallel, two slightly convex grinding surfaces (13).

No.	L.	W.	Th.	Material	Occurrence
54	15.6+	6.2	3.2		Trench A, Sq.1R4, Level 1
281367	15.0	12.2	3.5	Sandstone	Room 7, Fill

MANOS (Continued)

No.	L.	W.	Th.	Material	Occurrence
281478	9.3	9.2	3.8	Sandstone	Room 10, Trench
146	12.3+	8.1	3.2		Trench B, Sq.2R6, Level 1
148	11.5+	9.6	3.4		Room 5, Fill
160	10.4+	10.7	2.0		Trench B, Sq. 3R2, Level 2
164	24.8	11.8	4.1		Room 10, Floor
185	12.4+	12.3	5.6		Room 6, Below floor
193	11.8	8.4	3.5		Room 3, Below floor
281	20.7	12.4	4.1		Kiva 1, Floor
286	12.3+	9.2	4.8		Kiva 1, Fill
298	16.7+	11.0	2.2		Kiva 1, Fill
302	8.2+	9.4	4.0		Kiva 1, Fill

(IIc) Rectangular in outline, three specimens wedge shaped in cross section, the remainder with surfaces parallel, two flat grinding surfaces (11).

No.	L.	W.	Th.	Material	Occurrence
17	11.5+	4.4	4.3		Trench B, Sq. 1R2, Level 3
281514	26.3	11.3	2.9	Sandstone	Room 1, Fill
52	9.0+	6.1	1.5		Trench C, Sq. 8L1, Level 1
96	10.1+	7.2	3.5		Trench D, Sq. 1L1, Level 1
106	6.8+	9.3	3.1		Trench B, Sq. 1R5, Level 5
109	18.2+	12.0	2.6		Room 7, Fill
186	14.3+	10.5	3.4		Room 6, Below Floor

MANOS (Continued)

No.	L.	W.	Th.	Material	Occurrence
188	10.8+	10.7	2.7		Room 6, Below floor
212	27.0	11.1	6.8		Room 10, Floor
246	6.8+	4.7+	1.6		Room 15, Floor
297	25.0	12.4	6.3		Kiva 1, Floor

(IId) Rectangular in outline, wedge shaped in cross section, one grinding surface convex, the other convex and transitional to beveled shape (8).

No.	L.	W.	Th.	Material	Occurrence
37	11.6+	9.0	3.8		Room 2, Trench
89	8.5+	9.4	2.0		Room 3, Fill
114	17.4+	10.7	3.3		Room 7, Fill
132	12.2+	8.0	3.0		Room 5, Fill
151	12.0+	11.0	3.5		Trench B, Sq. 5R5, Level 1
152	9.4+	9.0	2.4		Trench B, Sq. 4R5, Level 1
232	10.3+	10.1	3.0		Room 12, Fill
251	14.8+	10.8	3.6		Room 12, Floor

(IIe) Rectangular in outline, wedge shaped in cross section, one grinding surface slightly convex the other transitional to beveled shape (2).

No.	L.	W.	Th.	Material	Occurrence
225	14.5+	12.0	2.7		Room 12, Fill
281522	26.0	9.0	2.1	Tufaceous Sandstone	Room 7, Fill

MANOS (Continued)

(IIf) Rectangular in outline, roughly triangular in cross section; one grinding surface beveled in a double plane with a longitudinal ridge between, the other slightly convex

No.	L.	W.	Th.	Material	Occurrence
71	17.3+	9.9	2.1		Room 3, Fill

(IIg) Rectangular in outline, one grinding surface flat, the other convex transitional to beveled shape (11).

No.	L.	W.	Th.	Material	Occurrence
92	6.4+	8.5	1.8		Room 3, Fill
115	13.8+	11.9	2.9		Room 7, Fill
120	6.7+	5.9+	2.0		Trench B, Sq. 1R6, Level 1
144	10.0+	9.6	2.0		Room 3, Floor
153	9.3+	7.6	1.8		Trench B, Sq. 2R6, Level 1
181	26.0	10.8	1.9		Trench C, Sq. 9L1, Level 3
281526	26.0	10.9	2.3	Sandstone	Room 10, Floor
222	8.8+	9.5	2.6		Kiva 1,Fill,NE Quadrant
247	17.6+	7.1	3.1		Kiva 1,Fill,NE Quadrant
267	22.2	11.7	2.5		Platform Kiva, Floor
279	14.6+	9.9	2.6		Kiva 1, Fill

(IIh) Rectangular in outline, generally wedge shape in cross section; one grinding surface flat the other beveled in a double plane with one plane roughly parallel to flat grinding surface (7).

No.	L.	W.	Th.	Material	Occurrence
33	10.1+	6.1	1.8		Trench E, Sq. 4R2, Level 1
34	9.4+	8.2	2.3		Trench B, Sq. 3R1, Level 2
35	18.3+	11.3	2.1		Trench E, Sq. 2, Firepit
59	11.3	9.8	2.0		Room 3, Fill
65	7.0+	7.5	3.1		Trench G, Sq. 3, Level 1
113	12.1+	10.6	2.2		Room 7, Fill
128	9.0+	5.4	1.5		Trench D, Sq. 2L1, Level 4

(IIi) Rectangular in outline (one oval specimen), grinding surfaces parallel, one grinding surface convex, the other slightly convex (7).

No.	L.	W.	Th.	Material	Occurrence
1	20.2	12.6	3.7		Trench B, Sq. 2, Level 1
7	6.1+	10.2	3.1		Trench A, Sq. 5L4, Ashy
44	6.3+	12.1	5.2		Room 3, Fill
94	12.7+	9.4	2.0		Trench C, Sq. 8, Level 1(?)
281559	18.6	10.7	6.5	Sandstone	Room 10, Floor
203	11.6+	4.3+	2.6		Room 5, Fill
224	20.3	11.0	4.1		Room 5, Fill

(IIj) Rectangular in outline, grinding surfaces parallel, (three specimens wedge shaped in cross section), one grinding surface convex, the other flat (11).

No.	L.	W.	Th.	Material	Occurrence
14	5.4+	7.4+	3.1		Trench A, Sq. 4L4, Level 1
40	15.7+	11.3	4.1		Room 1, Fill

MANOS (Continued)

No.	L.	W.	Th.	Material	Occurrence
55	12.4+	9.4	2.1		Trench E, Sq. 2L1, Level 2
158	7.1+	8.3	2.1		Trench B, Sq. 2R6, Level 1
170	17.2+	10.8	4.3		Trench outside Room 12
198	10.7+	8.3	2.4		Room 12, Fill
281629	24.9	10.8	3.2	Sandstone	Room 10, Floor
237	11.6+	9.8	2.8		Room 12, Fill
274	16.7+	11.9	3.5		Kiva 1, Fill
276	7.8+	13.2	3.8		Kiva 1, Fill
288	15.7+	11.9	5.7		Kiva 1, Fill

(IIk) Rectangular in outline, grinding surfaces parallel, (one specimen wedge shaped in cross section), one grinding surface slightly convex, the other flat (6).

No.	L.	W.	Th.	Remarks	Occurrence
16	24.3	12.3	2.0		Trench A, Sq. 5L4, Ashy
68	12.0+	6.4	5.6	Grooved for grip	Trench G, Sq. 3, Level 1
84	11.1+	9.6	5.0		Trench E, Sq. 1R2, Level 1
149	8.0+	11.1	3.1		Room 5, Fill
190	11.1+	10.4	2.6		Room 15, Fill
269	12.3+	11.0	4.8		Room 12, Floor

RUBBING STONES

Oval or oblong in outline with single flat rubbing surface two specimens with slightly convex rubbing surface (9)

No.	L.	W.	Th.	Material	Occurrence
281670	6.9	4.3	1.5	Sandstone	Room 3, Fill
281838	7.9	5.2	3.0	Basalt	Room 3, Fill
281881	11.0	6.9	3.0	Felsite	Room 5, Fill
155	12.6	8.5	4.1	Quartzite	Room 8, Fill
257-1	8.1	7.2	4.3		Kiva 1, Floor
257-2	8.4	7.8	4.2		Kiva I, Floor
309	8.2	7.1	5.8		Room 11, Floor
281697	7.2	4.0	2.5	Chert	Room 5, Fill
281178	9.8	6.5	2.1	Quartzite	Trench B, Sq. 1, Level 1

GRINDING STONES

Oval in outline, biconvex in cross section, two convex grinding surfaces, one end battered (2).

No.	L.	W.	Th.	Occurrence
239	14.9	11.9	3.8	Room 5, Fill
282	12.4	9.6	3.7	Kiva 1, Floor

POLISHING STONES

Small rounded pebbles, some oval in outline with one or more smooth polishing facets (10).

No.	L.	W.	Th.	Material	Occurrence
281308	3.1	2.9	1.3	Felsite	Room 5, Trench
281370	2.3	2.0	0.9	F.G.Basalt	Room 7, Fill
281392	3.7	3.7	2.3	Felsite	Trench C, Sq. 8L2, Level 2
281504	4.5	3.2	0.9	F.G.Basalt	Room 7, Floor (2 facets)
281590	4.0	4.0	1.2	Felsite	Room 8, Fill
281609	3.0	2.5	2.6	Quartz	Trench C, Sq. 1L1, Level 2
281614	6.0	1.8	1.7	F.G.Basalt	Room 5, Fill
281754	5.7	4.8	2.5	Felsite	Room 5, Fill
281856	6.9	5.5	2.5	Felsite	Room 11, Floor
287	9.9	7.8	4.8		Kiva 1, Fill

PESTLES

Long, thick massive cobbles generally oval or oblong in outline, one or both ends worn and battered

No.	L.	W.	Th.	Material	Occurrence	
111	15.6	10.3	8.2		Room 7, Fill	oval
134	21.4	8.0	8.0		Room 8, Fill	cylindrical
141	15.6	9.7	6.0		Room 3, Floor	oval
201	7.5+	8.4	4.0		Room 12, Fill	oblong
282017	20.6	9.4	6.7	Basalt	Room 1, Floor	oblong
261	25.3	10.2	7.2		Room 12, Floor	oblong

PESTLES (Continued)

No.	L.	W.	Th.	Occurrence
268	15.8	9.7	5.8	Room 12, Floor
296	20.5	9.5	7.4	Room 12, Floor
304	12.5	9.1	4.1	Kiva 1, Fill

STONE BOWLS AND MORTARS

Thick slabs, irregular blocks or rounded cobbles with cavity pecked and ground into one broad surface, one specimen with two cavities, residue of paint (?) in some cavities.

No.	L.	W.	Th.	Cavity Depth	Cavity Diam.	Occurrence	Material
281193	6.7+	6.2+	1.7	2.5	Frag.	Trench C,Sq.5,Lev.2	Sandstone
281166	9.8	9.2	2.6	0.7	7.8	Room 1,Outside Wall	Sandstone
281920	8.3	8.5	2.8	0.4	3.4	Room 8, Fill	Felsite
281931	16.4	9.9	3.7	0.6	5.7	Kiva 1, Floor	Felsite
281943	12.2	11.7	4.9	2.6	6.5	Kiva 1, Floor	Basalt
282018	16.9	13.9	5.7	1.3 1.0	6.1 5.4	Room 10, Floor	Sandstone
258	15.0	11.7	7.2		3.6	Kiva 1, Floor	
311	27.5	21.4	4.5	1.1	10.9	Room 12(?), Floor	

HAMMERSTONES

Battered and pitted pebbles mostly of rough angular shapes (24).

No.	L.	W.	Th.	Material	Occurrence
281147	6.2	5.7	2.7	Basalt	Room 2, Trench
281368	6.8	6.2	5.3	Chert	Room 3, Floor
9-1	8.3	6.4	5.5		Tr. A,Sq.5L4,Ashy layer
9-2	7.3	5.7	4.8		Tr. A,Sq.5L4,Ashy layer
9-3	7.1	5.9	3.3		Tr. A,Sq.5L4,Ashy layer
15-1	7.4	8.8	7.1		Tr. A,Sq.4L4,Level 1
15-2	7.6	6.1	4.6		Tr. A,Sq.4L4,Level 1
18	7.7	7.3	4.6		Tr. C, Sq. 2, Level 1
29-1	6.5	4.8	4.2		Tr. D, Sq. 1, Level 3
29-2	9.4	8.1	6.1		Tr. D, Sq. 1, Level 3
39	8.2	7.6	4.9		Room 2, Trench
42	7.1	6.0	3.2		Room 3, Fill
53	7.3	8.1	4.9		Room 5, Fill
81	7.8	6.0	5.1		Room 3, Fill
91	7.6	7.1	4.4		Room 5, Fill
150	6.8	5.5	3.7		Room 5, Fill
169	6.8	8.2	5.4		Room 10, Floor
174	8.9	6.4	4.5		Trench G,, Sq.5L1, Level 1
191	7.3	5.9	5.1		Room 6, Below floor

HAMMERSTONES (Continued)

No.	L.	W.	Th.	Occurrence
206	7.3	6.8	5.9	Room 5, Fill
249-1	11.3	7.0	1.6	Room 10, Floor
249-2	8.3	6.6	4.6	Room 10, Floor
254	9.8	5.6	5.2	Room 5, Floor
260	6.3	6.4	4.1	Kiva I, Floor

METATES

Flat metates made from thick, roughly rectangular slabs; grinding surface slightly concave lengthwise; bottom, sides and ends of slabs sometimes rough hewn (10).

No.	L.	W.	Th.	Material	Occurrence
K1-5	37.0+	22.0+	6.0		Kiva I, Fill
103	46.5	36.1	8.9		Room 7, Fill
271	41.0	33.0	12.0		Room 12, Fill
64	9.1+	10.1+	4.6	Sandstone	Trench G,Sq. 3, Lev.1
265	13.9+	11.5+	5.1		Room 15, Fill
299	14.1+	12.2+	6.3		Kiva I, Fill
R.10-1	48	40	?		Room 10, Bin
R.10-2	48	39	?		Room 10, Bin
1R1-1	18+	9+	5.0		Tr. B, Sq.1R1, Lev.2
K1-1	20+	20+	6.3		Kiva I, Fill

METATES (Continued)

Trough type, made from large thick roughly rectangular slab; trough open at both ends (8).

No.	L.	W.	Th.	Depth of trough	Occurrence
R15-1	40.0	38.0	8.0	2.0	Room 15, Floor II
R5-1	20.0+	11.0+	4.0	1.0	Room 5, Fill
102	46.0	28.5	9.8	2.0	Room 7, Fill
K1-7	20.0+	10.0+	4.0	2.0	Kiva 1, Fill
K1-2	18.0+	11.0+	11.0	4.0	Kiva 1, Fill
K1-3	32.0+	27.0	12.0	8.0	Kiva 1, Fill
K1-4	20.0+	27.0+	8.0	4.0	Kiva 1, Fill
R13-1	24.0+	38.0	10.0	3.0	Room 13, Fill

Trough type, made from large thick slab; trough open at one end only, shelf-like projection at closed end (2).

No.	L.	W.	Th.	Depth of trough	Occurrence
K1-6	52.0	34.0	10.0	2.5	Kiva 1, Fill
3L1-1	21.0+	28.0+	4.0	?	Tr. A, Sq. 3L1

Basin metate; large, thick roughly rectangular slab with deep oblong basin-like grinding surface

No.		Occurrence
125	(no dimensions recorded)	Kiva 1, Trench

SMALL METATE-LIKE GRINDING STONE

Small thick slab, roughly trapezoidal in outline; broad upper surface worn smooth and concave from grinding; lower surface, sides and ends rough.

No.	L.	W.	Th.	Material	Occurrence
105	20.5	17.2	5.6	Sandstone	Room 3, Trench

WORKED SLABS

Roughly rectangular in outline, edges chipped or rough hewn to shape occasionally ground smooth (11).

No.	L.	W.	Th.	Material	Occurrence
R3-1	34.5	24.0	1.5		Room 3, Fill
31	14.1+	12.9+	1.8		Tr. A, Sq. 3L3, Lev. 2
107	24.7	13.8	1.8	Sandstone	Room 7, Fill
137	29.0	14.0	3.1		Room 3, Floor
139	17.6+	8.4+	2.3		Room 3, Floor
143	19.1+	13.6+	2.3		Room 3, Floor
168	25.4+	12.2+	7.0		Room 3, Floor
200	27.0+	25.0+	3.0		Room 7, Fill
290	20.9+	11.2+	2.8	Sandstone	Kiva 1, Fill
301	15.0+	12.2+	2.5		Kiva 1, Fill
R4-1	75	55	2.5		Room 4, Roof

WORKED SLABS (Continued)

Ring slabs, roughly horse-shoe shaped slabs, edges of slabs chipped and rough-hewn.

No.	Ht.	W.	Th.	Opening Ht.	Opening W.	Occurrence
306	?	45.3	2.6	(Fragment)		Room 6, Fill
R11-1	35.0	35.0		20	16	Room 11, Vent
R16-1	25.0	40.0		19	17	Room 16, Vent

AXES

Three-quarters grooved type, one specimen grooved near middle, the others about three quarters of the length from cutting edge toward poll; lower edge of groove has lip formed by shallow secondary groove; inner side is flat (no groove); the face of the bit curves from the groove to the edge and the outer side is convex; with one exception they have short rounded polls; the edge of the bit is a little narrower than the maximum width of the axe; the faces of one bit are badly broken, the others polished.

No.	L.	W.	Th.	Groove W.	Groove Depth	Material	Occurrence
281354	10.6	7.0	4.4	1.5	0.4		Surface, NE of Trash area
281682	12.2	5.8	5.4	2.6	0.8	Diabase	Room 9, Floor
281683	10.9	6.1	3.6	2.3	0.6	Diabase	Room 9, Floor
281766	13.4	7.7	4.2	3.6	0.6	Andesite	Room 12, Fill
282001	14.3	9.2	7.0	3.8	0.9	Basalt	Room 10, Floor II

AXES (Continued)

Full grooved type; grooved two thirds length from edge of bit to poll end, lower edge of groove has slight lip; inner side is flat except where groove crosses it; one face of the bit is broken, the other is slightly convex and polished; the poll is slightly convex; the edge of the bit is broken.

No.	L.	W.	Th.	Groove W.	Groove Depth	Material	Occurrence
281928	14.7	10.4	6.2	3.0	0.6	Basalt	Kiva 1, Banquette

Notched type; long narrow implement, sides notched by pecking and grinding about two thirds distance from bit to poll end; protuberances at lower edge of each notch; long, narrow bit tapering below notches to edge; one surface flat, fairly smooth; the other uneven, pecked rough; edge dull, battered, sides pecked.

No.	L.	W.	Th.	Material	Occurrence
282000	23.3	10.2	4.9	Basalt	Room 16, Floor

MAULS

Long, roughly oval stone with three-quarters groove pecked around middle, other surfaces smooth but not polished; groove crosses both faces and one side just above the middle of the implement.

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281434	16.4	7.5	7.0	2.7	Felsite	Room 7, Fill

MAULS (Continued)

Massive oval pebble with full groove pecked around center; both ends have pieces broken off; all surfaces convex.

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281971	15.7	9.8	8.5	2.7	Felsite	Kiva 1, Fill
255	8.1+	5.5+	5.5+		Scoriaceous Basalt	Tr.G,Sq.1R1,Lev.3

ARROW SHAFT STRAIGHTENERS

Transverse Type

Naturally shaped generally oval stone with single (one specimen with two) polished groove across broad surface at right angles to long axis. Groove U-shaped, of same width from end to end.

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281117	8.0	4.8	4.3	1.1	Limestone	Tr.D.,Sq.1,Lev.4
281235	8.6	4.3	3.1	0.7	Basalt	Room 3, Fill
281236	12.1	10.1	3.1	1.3	Basalt	Room 3, Fill
281378	8.5	6.4	4.1	1.1	Basalt	Room 7, Fill
281567	9.5	7.3	3.5	0.7	Basalt	Room 10, Floor
281925	7.9	6.2	5.4	1.1	Scoriaceous Basalt	Room 5, Fill
281391	8.6	6.1	3.2	1.2;1.0	Basalt	Tr.C,Sq.8L2,Lev.2

ARROW SHAFT TOOLS (Continued)

Truncated Triangular Type

Naturally shaped pebbles, cross section generally in shape of a truncated triangle, single polished groove crosses this ridge, one specimen with ridge artifically flattened.

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281201	11.7	8.0	4.9	0.8	Basalt	Trench outside w.wall, Room 3
281568	9.8	8.0	5.0	1.1	Basalt	Room 4, Floor 2
281926	11.3	6.6	5.7	1.0	Basalt	Room 5,Floor
282002	11.8	5.2	3.1	1.2	Basalt	Room 15, Floor II vent

Ridged Type

Pebbles with artifically shaped broad upper and lower surfaces, having ridge perpendicular to the middle of polished transverse groove

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281333	9.1	6.2	2.6	0.7	Basalt	Room 5, Fill
281351	9.6	7.6	4.2	1.1	Basalt	Room 5, Fill
281688	9.8	7.5	4.7	1.1	Basalt	Room 10, Floor
281929	14.6	10.9	8.5	1.1	Basalt	Room 4, Floor II

GROOVED ABRADER

Small block of coarse grained stone, two deep narrow grooves cross one end of flat surface, broad tapering groove crosses edge of opposite surface.

GROOVED ABRADER (Continued)

No.	L.	W.	Th.	Width of Groove	Material	Occurrence
281930	9.5	6.1	3.2	0.4;2.6	Sandstone	Tr.B,Sq.1R6,Lev.2

STONE DISKS (POT COVERS?)

Small stone slabs, roughly circular in outline, broad surfaces roughly parallel

No.	L.	W.	Th.	Material	Occurrence
281939	5.4	4.5	0.8	Sandstone	Kiva 1, Floor
78	9.0	8.5	1.1		Room 3, Fill
282019	9.6	8.6	1.9	Sandstone	Room 12, Trench
192	20.2	20.8	2.7		Room 7, Floor

MEDICINE CYLINDERS

Small cylindrical objects of stone, mostly hematite

No.	L.	W.	Th.	Material	Occurrence
281311	4.8	0.9		Hematite	Tr.G,Sq.1R1,Burial 10
281581	4.3	0.7		Hematite	Room 8, Fill
281593	4.0	0.8		Chert	Room 8, Fill
281600	5.0	3.0		Chert	Room 10, Floor
281870	8.9	1.1		Travertine	Room 12, Fill

PIPE FRAGMENT

Fragment of bowl-end; probably from tubular type of pipe

No.	L.	W.	Th.	Material	Occurrence
281109	2.7+	3.1	0.7	Scoriaceous Basalt	Tr.B,Sq.1,Level 1

PROJECTILE POINTS

Small, triangular, straight base, no notches

No.	L.	W.	Th.	Material	Occurrence
281102	2.4	1.7	0.3	Chert	Trench outside westwall
281413	1.9	1.4	0.3	Chert	Room 3, Floor
281402	1.9+	1.4	0.3	Chert	Room 3, Floor
281492	3.1	1.6	0.3	Chert	Kiva I, Trench
281878	3.6	1.4	0.6	Chert	Kiva 1, Floor
282005	2.9	1.8	0.4	Chert	Room 16, Trench

Small triangular, concave base, no notches

281866	1.8+	1.4	0.2	Chert	Kiva 1, Trench
281624	2.3	1.1	0.2	Chert	Room 11, Fill
281199	2.1	1.6	0.2	Chert	Tr. B, Sq. 2L1, Lev. 1
281161-1	1.4+	1.0	0.2	Chert	Tr. C, Sq. 3, Level 2
281161-2	1.3+	1.1	0.3	Chert	Tr. C, Sq. 3, Level 2
281200	2.4	1.3	0.2	Chert	Tr. E,Sq. 1R1,Lev.1,Bur.2
281098	1.9+	1.2	0.2	Chert	Tr. C, Sq. 2, Level 1

Small, triangular, lateral notched, straight base or convex base

281107	2.7+	1.2	0.2	Chert	Tr. B, Sq. 1, Level 1
281877	1.6	0.7	0.2	Chert	Kiva 1, Floor
281589	2.5	1.2	0.3	Chert	Kiva 1, Trench
281246	1.7	0.8	0.2	Chert	Tr. C, Sq. 8, Surface

Convex base

PROJECTILE POINTS (Continued)

Small triangular, lateral notched, concave base

No.	L.	W.	Th.	Material	Occurrence
281500	2.6	1.3	0.3	Chert	Tr. B, Sq.1R6,Lev.4
281345	2.8	0.7	0.2	Chert	Room 7, Fill
281484	2.0+	1.3	0.1	Chert	Kiva 1, Trench
281485	1.3+	1.0	0.2	Chert	Kiva 1, Trench
281486	2.6	0.8	0.2	Chert	Kiva 1, Trench
281382	3.0+	1.4	0.2	Chert	Tr.C,Sq.8L1,Burial 16

Medium-sized lateral notched points with stems, three specimens with broad triangular blades, one with long narrow blade expanding stems narrower than shoulder.

281103	6.2	1.7	0.6	Chert	Tr.A, Sq. 3L3, Level 1
281112	4.7+	2.3	0.5	Chert	Tr. E,Sq.0R1, Lev. 1
281156	4.4	2.2	0.4	Chert	Tr. C,Sq. 2, Level 1
281316	4.8	2.5	0.8	Chert	Tr. outside west wall Rm.3

Medium-sized diagonal notched point, with expanding stem narrower than shoulder, straight base and down-raking barbs.

281021	4.4	2.3	0.4	Chert	Tr. A, Sq.4L4,Lev.1

Lanceolate point with leaf-shaped blade, rounded shoulders relatively straight stem and indented base, tip reworked by secondary chipping to form a graver

281841	5.3	2.0	0.8	Chert	Kiva 1, Fill

PROJECTILE POINTS (Continued)

Lanceolate point with leaf-shaped blade, rounded shoulders slightly contracting stem and convex base, tip broken off

No.	L.	W.	Th.	Material	Occurrence
282009	5.5	2.5	0.8	Chert	Kiva 1, Floor

Lanceolate point with triangular blade, rounded shoulders, contracting stem, straight base

281124	5.1	2.4	0.7	Chert	Tr.A, Sq. 3L4, Lev. 1

Generally leaf-shaped blades, two specimens with convex bases one with slightly concave base, others fragmentary

281023	6.0	2.3	0.7	Chert	Tr. E, Sq. 2R1, Lev. 1
281118	3.3+	2.9+	0.6	Chert	Tr. D, Sq. 1, Lev. 4
281483	5.0	1.4	0.6	Chert	Tr. B,Sq. 1R6, Lev. 4
281497	5.5+	2.6	1.0	Chert	Tr. B, Sq. 1R5
281794	4.8	2.1	0.7	Chert	Room 5, Fill
282004	5.3+	2.9	0.7	Chert	Room 16, Trench

DRILLS

Sharpened slender flake, one end chipped to a point by pressure chipping

No.	L.	W.	Th.	Material	Occurrence
281198	3.3	0.8	0.6	Chert	Tr. B, Sq. 4, Lev. 1
281394	4.9	2.0	0.5	Chert	Room 7, Fill

DRILLS (Continued)

Long slender tapering point lenticular in cross section with abruptly widening flange base

No.	L.	W.	Th.	Material	Occurrence
281344	3.5	1.3	0.5	Chert	Room 7, Fill
281455	3.2	2.2	0.5	Chert	Room 7, Fill

Slender point, concavo-convex in cross section, tapering from a relatively large broad base.

281029	3.0	2.5	0.9	Chert	Tr. B, Sq. 1R1, Lev. 2

SAWS

Thin flakes with one or more edges deeply indented, serrate, two specimens with tang-like projections

281016	4.8	4.0	1.0	Chert	Tr. A, Sq. 1, Lev. 1
281020	4.6	3.4	0.7	Chert	Tr. E, Sq. 1, Lev. 2
281031	2.6	2.6	0.3	Chert	Tr. B, Sq. 1R1, Lev. 2
281044	4.1	2.7	0.5	Chert	Tr. B, Sq. 1R2, Lev. 2
281154	2.9	2.3	0.6	Chert	Tr. D, Sq. 2, Lev. 1
281155	3.6	2.0	0.4	Chert	Tr. B, Sq. 1, Lev. 2
281196	3.6	2.4	0.8	Chert	Room 3, Fill
281448	4.7	3.1	0.7	Chert	Tr. B, Sq. 1R6, Lev. 1
281450	2.0	1.9	0.5	Chert	Tr. B, Sq. 1R5
281469	3.0	2.9	1.0	Chert	Tr. B, Sq. 1L1, Bur. 17
281482	3.9	2.6	0.7	Chert	Room 7, Fill
281495	3.6	2.1	0.5	Chert	Room 7, Fill

SAWS (Continued)

No.	L.	W.	Th.	Material	Occurrence
281505	4.5	2.0	0.5	Chert	Tr. G, Sq. 4, Lev. 2
281572	2.8	1.9	0.3	Chert	Kiva 1, Trench
281579	5.2	3.0	0.8	Chert	Room 8, Fill
281591	4.0	2.8	0.3	Chert	Room 8, Fill
281703	5.3	2.4	0.8	Chert	Room 12, Fill
281735	4.6	4.5	0.6	Chert	Room 12, Fill
281808	4.3	3.0	0.3	Chert	Room 5, Fill
281816	3.4	2.3	0.7	Chert	Room 10, Below Floor
281832	4.9	2.1	0.5	Chert	Room 5, Floor
281840	4.7	3.0	0.4	Chert	Kiva 1, Fill
281849	3.9	2.8	0.3	Chert	Room 12, Fill
281883	3.6	3.1	0.7	Chert	Room 12, Fill
281888	3.9	3.1	0.7	Chert	Room 12, Fill
281989	4.6	3.4	0.6	Chert	Kiva 1, Fill

UTILIZED FLAKE KNIVES

Thin flakes, longer than broad, generally chipped along one edge, possibly from use; less frequently sharpened by retouch chipping (224)

Occurrence: Rooms 2, 3, 5, 7, 8, 12, 14, 15, Kiva, fill; Rooms 3, 4, 5, 6, 10, 12, 15, floors, all trenches

UTILIZED FLAKE KNIVES (Continued)

Dimensions: Length, 1.5 - 7.2 cm., average, 3.7 cm.; width, 1.2 - 5.2 cm., average, 2.3 cm.; thickness, 0.2 - 1.4 cm., average, 0.6 cm.

Materials: Chert, chalcedony, diabase, felsite

LARGE SCRAPERS

Large, rough thick angular flakes or spalls, generally plano-convex in cross-section, secondary chipping along one edge

No.	L.	W.	Th.	Material	Occurrence
281122	6.3	5.9	2.3	Chert	Tr. E, Sq. 1L1, Lev. 1
281065	8.2	5.5	2.0	Chert	Tr. E, Sq. 1, Lev. 1
281066	7.0	6.0	2.3	Chert	Tr. A, Sq. 4, Lev. 2
281180	8.4	6.3	2.0	Chert	Tr. D, Sq. 2, Lev. 2
281651	8.7	8.3	2.6	Petrified Wood Chert	Room 5, Fill
281746	6.8	7.0	2.8	Felsite	Room 12, Fill

SMALL SCRAPERS

Small rough thick flakes with some secondary chipping at a steep angle along one or more edges, generally plano-convex in cross section, occasionally convex surface shaped by percussion chipping

Occurrence: Rooms 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 15, fill; Rooms 3, 8, 10, floors, all trenches

SMALL SCRAPERS (Continued)

Dimensions: Length, 2.7 - 6.9 cm., average, 4.6 cm.; width, 1.5 - 6.2 cm., average, 3.3 cm.; thickness, 0.6 - 3.0 cm., average, 1.3 cm.

Materials: Chert, quartzite, fine-grained basalt

CHOPPERS

Biface type. Thick angular pebbles with one margin flaked from two surfaces to form sharp cutting edge, frequently rounded portion of natural crust of stone left intact for grip (15)

No.	L.	W.	Th.	Material	Occurrence
75	7.8	7.6	4.1		Room 3, Fill
282020	11.0	7.5	5.2	Felsite	Room 3, Fill
282025	8.6	7.4	4.6	Quartzite	Room 3, Fill
282022	9.4	7.7	4.2	Chert	Room 3, Fill
110	8.1	6.8	5.1		Room 7, Fill
118	7.5	6.4	4.3		Room 7, Fill
121	11.0	8.5	5.0		Tr. B, Sq. 1R6, Lev. 1
127	10.1	7.7	5.0		Room 5, Fill
204	8.7	6.1	4.0		Room 5, Fill
205	7.1	6.7	3.9		Room 5, Fill
282024	7.9	7.4	3.2	Chert	Room 12, Fill
266	10.6	11.6	5.2		Kiva 1, Floor

CHOPPERS (Continued)

No.	L.	W.	Th.	Material	Occurrence
284	10.3	9.7	5.7		Kiva 1, Fill
281839	7.2	6.0	4.4	Chert	Room 5, Floor
281935	6.0	5.7	3.6	Chert	Kiva 1, Floor

Uniface type: thick angular pebbles, irregular in outline, plano-convex in cross-section, margin flaked part way around from one surface to form sharp cutting edge (7)

No.	L.	W.	Th.	Material	Occurrence
281562	7.3	5.4	4.3	Quartzite	Tr. B, Sq. 2R6, Lev. 1
282021	8.0	5.7	3.2	Quartzite	Room 3, Fill
282023	10.4	9.1	4.3	Felsite	Room 3, Fill
130	6.6	5.7	4.1		Room 5, Fill
147	8.6	8.2	3.8		Tr. B, Sq. 1R5, Lev. 5
253	9.4	9.2	5.8		Room 5, Fill
300	9.2	8.9	4.1		Kiva 1, Fill

SCRAPER-PLANES

Thick angular implements, irregular in outline, plano-convex in cross-section, margin steeply chipped to form sharp cutting edge

281644	6.5	6.0	3.8	Chert	Room 9, Floor
281741	10.8	9.3	3.6	Chert	Room 6, Below floor
281421	6.2	3.9	2.8	Chert	Tr. D, Sq. 1L1, Lev. 4
281476	5.6	5.3	3.2	Petrified Wood Chert	Room 5, Fill
281475	6.0	4.1	2.6	Chert	Room 5, Fill

SCRAPER-PLANES (Continued)

No.	L.	W.	Th.	Material	Occurrence
281778	7.7	6.7	2.1	Chert	Tr. B, Sq. 3R3, Lev. 1
281215	7.9	6.5	3.2	Petrified Wood Chert	Tr. B, Sq. 1R3, Lev. 2
281626	8.0	4.7	1.8	Chert	Room 10, Floor

BEADS AND PENDANTS

Small Disk Beads

Symmetrical minute circular beads with hole drilled through center, perforation often hour glass shape

No.	Quantity	Diam.	Th.	Material	Occurrence
281206	1	0.4	0.2	Jet	Tr. A, Sq. 5, Lev. 1
281592	1	1.0	0.2	Slate	Room 8, Fill
281927	1	0.3	0.1	Jet	Room 12, Fill
281996	50+	0.3	0.2	Jet	Tr. D, Sq. 3L1, Burial 23, left arm
281997	50+	0.2	0.1	Jet	Tr. D, Sq. 3L1, Burial 23, pelvis
281245	1	0.3	0.2	Turquoise	Tr. B, Burial 9
281315	28	0.5	0.3	Turquoise	Tr. D, Sq. 3, Lev. 5, Burial 15
281315	100+	0.3	0.1	Red stone	Tr. D, Sq. 3, Lev. 5 Burial 15, right arm
281202	1	0.5	0.3	White shell	Tr. E, Sq. 1, Lev. 2
281241	1	0.8	0.2	White shell	Tr. B, Burial 9
281244	100+	0.3	0.1	White shell	Tr. D, Sq. 2, Burial 6, right arm
281245	1	0.7	0.4	Shell	Tr. B, Burial 9
281315	1	0.3	0.1	Dentalium? Shell	Tr. D, Sq. 3, Lev. 5, Burial 15
281946	30+	0.3	0.2	Shell	Tr. D, Sq. 2L1, Lev. 2, Burial 18, right wrist

BEADS AND PENDANTS (Continued)

No.	Quantity	Diam.	Th.	Material	Occurrence
281994	100+	0.3	0.2	Shell	Tr. E, Sq. 3L1, Burial 23, neck
281996	50+	0.3	0.2	Dentalium? Shell	Tr. E, Sq. 3L1, Burial 23, left arm
281997	50+	0.3	0.3	Shell	Tr. D, Sq. 3L1, Burial 23, pelvis

Cylindrical White Beads

Very small cylindrical beads of thick shell or stone

No.	L.	Diam.	Material	Occurrence
281755	0.5	0.3	Dentalium?	Tr. D, Sq. 1L1, Lev.4 Burial 17
281996	0.4	0.3		Tr. D, Sq. 3L1,Bur.23
281997	0.3	0.2		Tr. D, Sq. 3L1,Bur.23
281997	0.2	0.1		Tr. D, Sq. 3L1,Bur.23

Whole Shell Pendant or Beads

Small Olivella shells with spires but and ground off

No.	Quantity	L.	Diam.	Material	Occurrence
281244	6	1.3	0.7	Olivella sp.	Tr. D, Sq. 2, Bur. 6
281755	4	0.8	0.6	Olivella	Tr. D, Sq. 1L1, Lev.4, Burial 17
281947	10	1.7	0.8	Olivella	Tr. D, Sq. 3L1, Lev.4, Burial 23
281993	13	1.4	0.6	Olivella	Tr. C, Sq. 10L1,Lev.2
281996	3	0.8	0.3	Pyrene Labiosa Olivella	Tr. D, Sq. 3L1, Bur.23
281997	2	0.9	0.5	Olivella	Tr. D, Sq. 3L1, Bur.23

Whole Shell Pendant or Beads (Continued)

Truncated Olivella, shells with parts of spires and bases cut off and ground down

No.	Quantity	L.	Diam.	Material	Occurrence
281244	100+	0.6	0.5	Olivella sp.	Tr. D, Sq. 2, Burial 6
281755	50+	0.8	0.5	Olivella	Tr. D, Sq. 1L1, Lev. 4 Burial 17
282110	2	0.8	0.6	Olivella	Room 10, Floor

Whole Shell Pendants

Conical gastropod (turritella) with one hole drilled through one of the basal whorls near the orifice

281170	3.0	0.8	Turritella sp.	Room 3, Fill
281242-1	3.2	0.9	Turritella	Tr. B, Burial 9
281242-2	2.3	0.6	Turritella	Tr. B, Burial 9
281314	2.7	0.7	Turritella	Tr. C, Sq. 8L1, Lev.2

Small concavo-convex shells, portion of beak perforated

No.	Quantity	L.	W.	Th.	Material	Occurrence
281205	1	1.0	0.8	0.1	Pectunculus or Glycymeris	Tr. C, Sq. 5, Level 1
281244	46+	1.1	0.8	0.1	Glycymeris	Tr. D, Sq. 2, Bur. 6
281992	1	1.3	1.0	0.3	Glycymeris	Tr. C,Disturbed burial
281994	3	3.5	3.1	1.1	Glycymeris	Tr.D,Sq.3L1,Burial 23
281996	20	1.3	1.0	0.4	Glycymeris	Tr.D,Sq.3L1,Burial 23
281997	9	1.4	1.3	0.3	Glycymeris	Tr. D,Sq.3L1, Burial 23

Whole Shell Pendant or Beads (Continued)

Small gastropods with hole broken through wall near base of orifice

No.	Quantity	L.	W.	Th.	Material	Occurrence
281996	100+	0.3	0.2	0.2		Tr. D, Sq. 3L1, Bur. 23
281996	112	0.5	0.4	0.4		Tr. D, Sq. 3L1, Bur. 23

Tubular Bone Beads

Sections of hollow long bones, both ends cut off square to long axis, ground smooth

281598	5.0	1.7	0.5	Room 10, Floor
282115	6.0	1.8	0.3	Room 10, Firepit
282008	3.9	1.4	0.2	Room 10, Floor II

Tabular Bone Pendant

Small thin tablet of bone, sides taper from broad square end to broken end, hole drilled through near center of square end, surfaces polished

282007	9.2	2.7	0.3	Room 16, Floor

Annular Bone Pendant

Thin broad semi-circle of bone, half of perforation at one end, surface polished

No.	Diam.	W.	Th.	Occurrence
281586	3.5	1.1	0.1	Tr. B, Sq. 2R6, Lev. 2

Carved Bone Pendant

Long, narrow form, possibly zoomorphic; at one end a lozenge-shaped spatulate "head" with a small perforation, below this are eight protuberances in two sets possibly representing legs

No.	L.	W.	Th.	Occurrence
281452	5.2+	1.0	0.3	Room 7, Fill, N.W.Corner

Tooth Pendant

Long hollow curved tooth with hole drilled through one end

281944	8.4	0.8	0.7	Room 5, fill

BONE RINGS

Circular sections of hollow long bones, some thin others thick; two specimens with patterns of incised triangles and dots have protuberance like beak of shell at one side (10)

No.	Diam.	W.	Th.		Occurrence
281169	2.0	0.7	0.3	Incised	Room 3, Fill
281204	1.9	0.4	0.2		Tr. B, Sq. 1R1, Lev. 1
281342	1.9	0.4	0.4		Room 7, Fill
281502	2.1	1.0	?		Room 7, Fill
281599(3)	2.3	1.1	0.4		Room 10, Floor
281876	1.9	0.3	0.2		Room 15, Floor
281918	2.1	0.6	0.3		Kiva 1, Floor
281994	2.1	0.5	0.2		Tr. D, Sq. 3L1, Bur.23, necklace

BONE RING MATERIAL

Head and portion of shaft of hollow long bones incised with one or more rings around end of shaft

No.	L.	W.	Th.	Diam. of Shaft	Occurrence
281231-1	11.1	3.1	2.9	2.0	Tr.C, Sq. 6, Lev. 2
281231-2	7.5	4.1	3.9	2.2	Tr.C, Sq. 6, Lev. 2
281323	4.2	Portion of shaft only		2.1	Tr.C, Sq. 6, Lev. 2
281233	8.4			1.7	Tr.C, Sq. 6, Lev. 2
281247	13.8	6.4	5.2	2.6	Tr.G, Sq. 1R1, Lev. 1
281340	15.4	4.6		2.0	Room 5, Fill
281343	7.3	3.5		1.6	Room 7, Fill
281346	5.5	4.3		2.1	Room 3, Fill
281453	12.0	5.6	3.1	1.9	Room 7, Fill
281454	7.6	6.0	2.7	2.0	Room 6, Floor
281488	7.4	6.7	5.1	2.7	Tr.B, Sq. 1R6, Lev. 3
281535	10.5	2.1		1.7	Alcove Room ?
281539	11.5	3.9	?	2.3	Room 6, Floor
281598-1	5.0			1.6	Room 10, Floor Tubes
281598-2	5.0			1.7	Room 10, Floor Tubes
281671	8.8	7.0	2.7		Room 12, Trench
281698	6.7	4.4	2.9		Room 5, Fill
281708	5.3	4.5	2.0		Kiva 1, SW quad.
281760	5.8	4.6	2.0		Room 7, Fill and Floor

BONE RING MATERIAL (Continued)

No.	L.	W.	Th.	Diam. of Shaft	Occurrence
281793	8.5	4.2	2.1		Room 5, Fill
281804	19.2	4.1	1.7		Room 5, Fill
281824	6.1	4.1	2.0		Room 5, Floor
281875	18.0	8.3		2.1	Kiva 1, Floor
281901	5.6	3.2		2.0	Room 12, Floor
281912-1	12.4	4.2		2.8	Kiva 1, Floor
281912-2	10.5	3.7		2.4	Kiva 1, Floor
281912-3	9.7	5.1		2.2	Kiva 1, Floor
281913	7.8	2.1		1.2	Kiva 1, Floor
281955	10.4	3.7		2.1	Kiva 1, Floor
281966-1	4.6	4.2		2.5	Kiva 1, Floor
281966-2	4.7	3.3		1.7	Kiva 1, Floor
281967	8.2	6.5		5.4	Kiva 1, Fill and Floor
281968	8.4	2.1		1.1	Kiva 1, Fill and Floor
281975-1	10.8	6.1		3.0	Kiva 1, Fill and Floor
281975-2	12.7	4.7		4.3	Kiva 1, Fill and Floor
282006-1	10.4	3.9		1.8	Room 16, Floor
282006-2	5.6	3.7		1.9	Room 16, Floor

BOW GUARD

Long spatulate section of limb bone, concavo-convex in cross section, tapers from broader rounded end to spatulate narrow end, hole drilled through broad end; decorated with incised

BOW GUARD (Continued)

obliquely fringed line across convex surface about one-third distance from broad end

No.	L.	W.	Th.	Occurrence
281243	22.2	3.6	1.0	Trench B, on left arm of Burial 9

SHELL BRACELET FRAGMENTS

Thin curved sections of bivalve shell, one perforated through umbo

No.	L.	W.	Th.	Material	Occurrence
281160	5.0	0.5	0.4	Glycymeris	Tr.E,Sq.2R2,Lev. 2
281761	5.8	0.5	0.4	Glycymeris	Kiva 1, S.W.Quad.,Fill

TABULAR TURQUOISE PENDANTS

Small tablets, roughly rectangular in outline each perforated near one end, some holes off center, all highly polished

No.	Quantity	L.	W.	Th.	Occurrence
281603	11	1.0	0.7	0.2	Tr.B,Sq. 2R6, Lev. 4 Burial 26, left arm

NOSE PLUG (?)

Small slightly curved cylinder with flat bottom and cavity in each end

No.	L.	W.	Th.	Material	Occurrence
281570	1.7	1.1	1.8	Hematite	Tr.C,Sq.9L1, Lev. 5 Burial 21

JET BUTTON

Rectangular in outline, surfaces polished, two opposite corners are broken off, part of bead inlay remains in one of these, complete bead inlays remain in other corners, one containing white disk-type of bead. On bottom are two raised perforated arches.

No.	L.	W.	Th.	Material	Occurrence
281569	4.6	4.1	0.4	Lignite or Jet	Tr. D, Sq. 3L1, Lev. 5 inside B/W bowl, below Burial 23

CYLINDRICAL PENDANT

Small tapered stone cylinder, one end broken off, this end grooved where hole ran through

No.	L.	Diam.	Material	Occurrence
281915	2.8	1.0	Chert	Kiva 1, Floor

GROOVED PENDANT

Small roughly cylindrical stone with knob-like top and groove around middle, string could have been tied around groove.

281049	1.3	1.0	Tr. B, Sq. 3, Ashy lev.

STONE PENDANT

Oval in outline, tabular form, hole drilled through from both surfaces near one end

No.	L.	W.	Th.	Occurrence
281587	2.8	2.6	0.6	Tr. B, Sq. 4L5, Lev. 2

SMALL STONE DISKS

Small circular worked pieces of stone, surfaces fairly smooth, broad surfaces flat, parallel

No.	Diam.	Th.	Material	Occurrence
281188	2.6	[illegible]	Sandstone	Tr. B, Sq. 1R2, Lev. 3
281584	1.7	0.3	Sandy Limestone	General Digging
281503	2.4	0.8	Sandy Limestone	Tr. C, Sq. 10L1, Lev.2

SMALL TABLETS OR TINKLER STONES

Small, narrow tablets of stone, long in proportion to wisth, some polished, others rough petrified wood slivers

No.	L.	W.	Th.	Material	Occurrence
281487	3.0+	1.1	0.9	Travertine	Kiva 1, Trench
281571	7.6	1.2	0.4	Chert	Tr. C, Sq. 9L1, Lev. 5, Burial 21
281595	6.0	1.2	0.8	Impure Siliceous Hematite	Room 10, Floor
281731	8.5	1.5	0.7	Petrified Wood	Room 12, Fill
281853	8.9	1.3	0.5	Petrified Wood	Room 15, Fill
281940	6.8	1.0	0.7	Petrified Wood	Kiva 1, Floor

BONE WHISTLES

Section of hollow long bone ends cut off square and ground smooth, pierced with one or two holes near one end

No.	L.	Diam.	Remarks	Occurrence
281159	12.2	1.0	2 holes	Room 1, Fill
281850	11.3	1.3	1 hole	Room 12, Fill
281970	6.2	1.0	1 hole	Kiva 1, Fill

BONE AWLS

Head of bone intact, other end worked to a sharp point (8)

No.	L.	W.	Th.	Material	Occurrence
281256	10.0	3.4	1.9	Ulna	Tr. E, Sq. 1R4, Lev. 2
281496	15.6	3.1	0.3	Ulna	Room 7, Floor
281729	17.7	3.5	2.3	Ulna	Room 2, below floor
281954	6.8	1.1	0.4	Ulna	Kiva 1, Floor
281064	4.2	0.7	0.4	Small Animal Bone	Tr. B, Sq. 2, Lev. 2, Bur.1
281093	5.7	0.7	0.3	"	Tr.A, Sq.5L4, Ashy layer
281534	8.7	1.3	0.6	"	Room 9, Fill
281953	6.3	0.9	0.5		Kiva 1, Floor

Head of bone intact except for splitting, other end worked to a point (11)

281168	7.0	1.0	0.3		Tr. B, Sq. 1R2, Lev. 3
281248	9.6	1.6	1.5		Tr. G, Sq. 1L1, Bur. 13
281536	8.1	2.0	0.7		Tr. C, Sq. 9L1, Lev. 4
281674	10.4	1.1	0.4		Room 12, Fill
281686	12.3	1.9	0.5		Kiva 1, S.E.Quad.
281687	7.6	2.1	1.1		Room 12, Fill
281709	11.6	2.0	1.3		Room 12, Fill
281784	8.0	1.5	0.6		Kiva 1, Fill, SW Quad.
281848	14.5	1.6	0.7		Room 12, Fill
281373	19.5	0.9	0.6		Room 4, Floor
281874	9.2	1.7	0.6		Kiva 1, Fill, SW Quad.

BONE AWLS (Continued)

Head of bore partly worked down, other end worked to point made from bones split in half (10)

No.	L.	W.	Th.	Occurrence
281312	9.7	1.9	0.9	Room 4, Fill
281376	12.0	7.3	5.0	Room 4, Floor
281393	7.0	1.5	1.0	Room 7, Fill
281395	12.3	2.8	1.1	Room 7, Fill
281460	15.1	1.4	0.4	Kiva 1, Trench
281649	7.3	1.8	0.5	Room 8, Floor
281573	10.9	2.0	0.6	Room 14, Trench
281677	15.8	1.6	0.6	Room 12, Fill
281825	10.5	1.2	0.8	Room 5, Floor
282111	10.6	1.9	1.7	Room 3, Trench

Head of bone removed and worked down - squared off or blunted by cutting and grinding, other end worked to a sharp point, three specimens with spatulate ends (8)

No.	L.	W.	Th.	Remarks	Occurrence
281024	5.2	0.9	0.4	Spatulate end	Tr. B, Sq. 1, Lev. 1
281101	8.6	1.2	0.6	Blunted end	Tr. B, Sq. 5, Lev. 1
281182	5.7	1.5	0.5	Squared end	Room 1, Fill
281411	7.6	0.8	0.7		Tr. C,Sq. 8L2, Lev. 3
281493	11.0	0.8	0.5	Spatulate end	Room 8, Fill
281653	11.0	1.4	0.4	Spatulate end	Room 12, Fill
281851	14.2	1.0	0.4	Blunted end	Room 5, Floor
281792	11.9	1.1	0.5	Blunted end	Room 5, Fill

BONE AWLS (Continued)

Awls with one pointed end and one end worn blunt (9)

No.	L.	W.	Th.	Occurrence
281063	7.0	1.5	0.4	Tr. B, Sq. 1, Lev. 2 Burial 1
281146	13.0	1.2	0.9	Room 3, Fill
281234	7.7	0.7	0.7	Tr. C, Sq. 6, Lev. 2
281374	14.5	1.1	0.3	Room 4, Floor
281490	11.4	1.6	0.5	Tr. B, Sq. 1R6, Lev. 4
281676	15.7	1.1	0.6	Room 12, Fill
281705	11.1	1.3	0.9	Room 13, Fill
281965	6.3	1.0	0.6	Kiva 1, Floor
282012	10.4	1.0	0.6	Room 3, Trench

AWLS MADE FROM RIBS

Small thin piece of rib with one end cut, ground and polished to a point (2)

281352	9.0	0.8	0.3	Room 3, Fill
281908	9.2	1.3	0.5	Room 12, Floor

PINS OR THIN AWLS

Awls or pins made from long bones split in quarters, one end worked to sharp point, the other end blunt (5)

281326	6.7	0.4	0.4	Tr. G, Sq. 2, Lev. 3,
281449	16.9	0.5	0.4	Tr. D, Sq.1L1, Lev. 3 Burial 17

PINS OR THIN AWLS (Continued)

No.	L.	W.	Th.	Occurrence
281714	12.6	0.6	0.4	Room 12, Fill
281951	15.4	1.0	0.5	Kiva 1, Floor
282011	10.6	1.9	1.7	Room 3, Trench

GROOVED AWLS

Made from long bones (metatarsals) which have not been split, hollowed out for two-thirds length above point; hole at base of intercondylar groove cleared out to meet gutter-like opening and groove below condyle on opposite (anterior) surface from cavity, this groove twists along bone to tip; condyle partly worked down, carved into disk-like form (9)

281167	22.2	1.4	1.3	Tr. D, Sq. 2, Lev. 6 Burial 6
281538	22.4	2.5	1.3	Room 6, Floor
281580	12.6	2.4	1.3	Room 8, Fill
281650	8.3+	1.6	1.4	Room 5, Fill
281681	26.0	2.0	1.7	Tr. B, Sq. 2R6, Burial 26
281689	11.8+	1.8	1.3	Room 12, Fill
281745	21.8	1.9	1.6	Tr. B, Sq. 2R6, Burial 26
281952	13.9+	1.4	1.0	Kiva 1, Floor
281973	6.9+	1.6	1.3	Kiva 1, Fill

BONE AWL FRAGMENTS

Split bone awls with head of bone broken off leaving jagged end, most merely tips (27)

Occurrence: Rooms 3, 5, 6, 12, 15, fill; Rooms 3, 10, 12, Kiva 1, floor; Trenches A, B, C, D, G

Dimensions: Length, 3.1 - 14.5 cm.; width, 0.6 - 1.6 cm.; thickness, 0.2 - 0.9 cm.

BONE SPATULA

Fragment of split long bone with one end cut, ground and polished to shape of spatula

No.	L.	W.	Th.	Occurrence
282013	16.7	2.0	1.4	Tr. C, Sq. 8L1, Lev. 3

BONE TABLET (WHISTLE?)

Thin roughly rectangular tablet, concavo-convex in cross-section, tapers slightly at sides to thin wedge-shaped end, a series of incised lines cross the convex surface towards the square end; middle line extends across the surface from edge to edge.

281759	6.7	1.5	0.4	Room 7, Fill and Floor

WRENCH

Section of antler with spongy portion removed leaving a concave hollow shell, five holes have been drilled through this shell, two of which remain intact and the other three as semi-circular notches in one end.

WRENCH (Continued)

No.	L.	W.	Th.	Diam. of Holes	Occurrence
281511	8.9+	3.7+	0.6+	0.9	Kiva 1, Trench

ANTLER FLAKERS

Portion of antler tine with beveled and generally worn tips

No.	L.	W.	Th.	No. of Facets	Occurrence
281313	6.9	1.1	0.5	1	Room 4, North Wall
281341	11.6	2.0	1.7	Broken	Room 5, Fill
281494	10.6	2.5	1.3	0	Kiva 1, Trench
281582	7.1	1.2	0.7	1	Room 10, Floor
281594	8.2	1.8	1.3	2	Room 10, Floor
281597	7.5	1.8	1.4	2	Room 10, Floor
281795	12.3	1.9	1.7	0	Room 5, Fill
281802	9.8	1.8	1.5	0	Room 12, Fill
281890	10.0	1.6	1.2	2	Kiva 1, Fill
281891	8.1	1.9	1.6	2	Kiva 1, Fill
281892	10.2	1.8	1.5	1	Room 15, Fill
281893	7.2	1.2	1.1	2	Kiva 1, Floor
281894	7.5	1.5	1.3	?	Kiva 1, Floor
281895	8.7	0.9	0.8	0	Kiva 1, Floor
281896	9.9	1.6	1.2	2	Room 15, Floor
281897	8.5	1.3	1.0	1	Room 15, Fill
281898	9.0	1.3	0.9	?	Room 15, Fill

ANTLER FLAKERS (Continued)

No.	L.	W.	Th.	No. of Facets	Occurrence
281899	6.7	1.1	0.9	1	Room 15, Fill
281969	9.5	2.4	2.0	1	Kiva 1, Fill

ANIMAL EFFIGIES

Effigies of quadrupeds, two fragmentary; legs, body, ears, muzzle, tail represented

No.	L.	W.	Th.	Material	Occurrence
281249	5.0	2.8	1.3	Pottery Tularosa(?) B/W	Tr. C, Burial 13
281540	3.5	2.2	1.5	Pottery	Tr.B,Sq. 4R6, Lev. 1
281827	2.9			Pottery	Room 5, Floor

TWINED BASKET OR MAT

Narrow rod foundation, spaced 1.4 cm. apart, twined with strips of yucca (?) leaves spaced 2mm. apart.

Width of warp elements	Width of weft elements	Occurrence
8 mm.	6-7 mm.	Room 4, Floor
3 mm.	5-8 mm.	Room 5, Floor

COILED BASKETS

Close coiled, bundle foundation, sewing splint passes around one bundle, through part of adjoining bundle. Stitch slant is / . Two coils and three stitches per centimeter. Stitches simple, non-interlocking. Stitches spaced; foundation shows. Fragment of part of base and wall. Bundles of shredded fiber, sewing elements flexible wood (?) splints.

COILED BASKETS (Continued)

Occurrence: Above fragment, Room 10, floor near south wall and mealing bins; fragment painted red and turquoise, weave unknown, Burial 17, Trench D; crushed fragment, weave unknown, Room 17, floor; fragment with rod and bundle foundation, specific weave unknown, Trench B, Sq. 1R5, Level 2.

TWILL PLAITED RING BASKET

Elements woven in over-three-under three pattern. Plaiting closely spaced. Elements narrower in one fragment, probably tapered near rim. Ornamental braid at rim. Elements in body of basket 3-5 mm. wide.

Occurrence: Room 10, mealing bin

TWILLED MATTING

Elements of yucca (?) leaf strips woven in over-three-under-three pattern or less frequently over-two-under-two. In most examples plaiting is compact, elements closely spaced. No selvage recovered.

Weave	Width of elements	Occurrence
Over-3-under-3 and/or over-2-under-5?	3 mm.	Room 4, Floor
Noted in field	unknown	Room 6, Floor
Over-2-under-2	8-9 mm.	Room 7, Fill
Unknown	unknown	Room 8, Fill
Over-3-under-3	4-5 mm.	Room 17, Floor
Over-3-under-3	3 mm.	Bur.17,Tr.D,Sq. 1L1

TWILLED MATTING (Continued)

Weave	Width of elements	Occurrence
Over-3-under-3	3 mm.	Bur.19,Tr.G, Sq. 4L1
Noted in field	unknown	Bur.24,%4.D, Sq. 2L1
Over-3-under-2 ?	5-7 mm.	Bur.28, Kiva 1, Fill

STRING APRONS

Two badly decayed specimens with single strand Z twist strings (of yucca fiber?) pendant from a woven band. The strings are colored red. The band on Burial 19 is described in the field notes as over-3-under-3, black and red but was too far deteriorated to determine the specific weave. The strings are doubled as if to pass between the legs, but they had decayed completely beneath the burial.

Occurrence: Burial 15, Trench D; Burial 19, Trench G

CORDAGE

Two ply Z twist cord of strips from yucca (?) leaf

Occurrence: Trench B, Sq. 1R5, Level 4

KNOTS

Yucca (?) leaf strips tied in square knots

Occurrence: Trench B, Sq. 1R5, Level 4, Room 12, fill

WORKED SHERDS

Discs

Pottery discs with edges ground smooth (53)

No.	L.	W.	Th.	Material	Occurrence
281035	3.5	3.4	0.5	Snowflake B/W	Tr.A, Sq.1L2, Lev.1
281060	2.8		0.4	Indeterm. B/W	Tr.C, Sq. 1, Levl 1
281084	4.4	5.1	0.6	B/R	Tr.A, Sq.5L5, outside west wall
281086	4.4	4.3	0.7	Snowflake B/W	Tr.E, Sq.2L1, Lev.1
281087	4.4	4.1	0.6	St. Johns B/R	Tr.A, Sq. 2L4, Lev.1
281132	2.3	2.2	0.4	Alma Plain	Tr.A, Sq.5L5,Ashy lev.
281141	3.8	3.8	0.5	B/W	Tr.A, Sq.5, Lev. 2
281219	4.1	3.7	0.6	Snowflake B/W	Room 3, Trench
281251	3.5	3.5	0.7	B/W	Tr.C, Sq.7, Lev. 2
281293	5.2	5.2	0.7	Red Indented Corrugated	Room 3, Fill
281295	4.9	4.2	0.8	B/R	Tr.E, Sq.2R1, Lev.3
281298	3.9	3.6	0.4	Snowflake B/W	Room 3, Fill
281322	3.4	3.0	0.5	Snowflake B/W	Tr.C, Sq.8L1, Lev.2
281383	5.0	5.0	0.6	Indented Corrugated	Tr.C, Sq.8L1, Bur.16
281397	4.4	4.4	0.6	Indented Corrugated	Tr.C, Sq.8L2, Lev.3
281465	2.1	2.1+	0.5	Woodruff Smudged	Kiva 1, Trench
281532	3.0	2.9	0.7	Snowflake B/W	Tr.D, Sq.3L1, Lev.4
281574	3.2	3.0	0.6	B/W	Room 5, Fill
281635	4.9	5.1	0.8	Springerville Polychrome	Room 10, Fill & Floor
281656	4.3	4.2	0.6	Wingate B/R	Room 12, Fill

Discs (Continued)

No.	L.	W.	Th.	Material	Occurrence
281660	3.7	3.4	0.6	Snowflake B/W	Room 12, Fill
281678	4.3	3.9	0.6	B/R	Room 12, Fill
281710	4.8	4.5	0.6	St. Johns Polychrome	Room 12, Fill
281711	3.3	3.0	0.5	Houck Polychrome	Room 12, Fill
281716	5.9	5.2	0.6	Snowflake B/W	Tr.B, Sq.5R6, Lev.1
281723	3.7	3.6	0.7	Indented Corrugated	Room 13, Fill
281730	3.9	3.5	0.6	Springerville Polychrome	Room 12, Fill
281733	2.6	2.4	0.6	Plain Corrugated	Room 12, Fill
281734	3.9	3.8	0.6	B/W	Room 12, Fill
281768	4.2	4.4	0.6	Snowflake B/W	Room 12, Fill
281769	4.4	4.2	0.6	Snowflake B/W	Room 12, Fill
281785	5.2	4.8	0.7	Indented Corrugated	Kiva 1, NW Quad.
281788	5.4	5.1	0.6	Indeterminate B/W	Room 12, Fill
281790	4.5	4.1	0.6	Snowflake B/W	Room 12, Fill
281798	6.1	5.4	0.7	Snowflake B/W	Room 12, Fill
281799	4.7	4.4	0.8	Snowflake B/W	Room 12, Fill
281844	4.1	3.8	0.7	Snowflake B/W	Room 5, Fill
281854	4.9	5.0	0.6	B/R	Room 12, Fill
281887	4.5	4.4	0.5	B/R	Room 12, Fill
281906	3.5	3.4	0.4	Snowflake B/W	Kiva 1, Fill
281934	3.0	2.8	0.5	Snowflake B/W	Kiva 1, Floor
281956	3.7	3.4	0.7	St. Johns Polychrome	Kiva 1, Fill

Discs (Continued)

No.	L.	W.	Th.	Material	Occurrence
281958	4.3	4.2	0.7	Snowflake B/W Reserve var.	Kiva 1, Fill
281961	3.5	3.4	0.6	St. Johns Polychrome	Kiva 1, Floor
281962	3.2	3.1	0.6	Snowflake B/W	Kiva 1, Floor
281963	3.1	3.0	0.6	B/R	Kiva 1, Floor
281974	4.1	4.0	0.7	Patterned Corrugated	Kiva 1, Fill
281977	4.9	4.8	0.5	B/W	Kiva 1, Fill
281982	4.4	3.7	0.5	B/W	Kiva 1, Fill
281984	4.0	3.8	0.5	Snowflake B/W	Kiva 1, Fill
281985	5.5	5.3	0.6	McDonald Corrugated	Kiva 1, Fill
281986	4.0	3.4	0.6	Gray Indented Corrugated	Kiva 1, Fill
281991	5.2	5.1	0.5	Snowflake B/W	Kiva 1, Fill

Pottery "Spindle Whorls"

Pottery discs, edges rubbed smooth, perforated through center (8)

281128	3.2	3.1	0.7	Indented Corrugated	Tr.A, Sq.5L5,Ashy layer
281220	4.6		0.5	Snowflake B/W	Room 3, Trench
281300	5.1		0.7	Indented Corrugated	Room 3, Fill
281303	5.7	5.1	0.9	Indented Corrugated	Room 3, Fill
281620	4.7		0.5	Snowflake B/W	Room 5, Fill
281647	5.2	5.3	0.9	Plain Corrugated	Room 5, Fill
281725	4.4		0.7	Snowflake B/W	Room 12, Fill
281916	3.0	2.6	0.5	B/R	Kiva 1, Floor

Discs (Continued)

Discs with hole drilled near one edge (5)

Oval and disc shaped sherds with hole drilled near one edge (pendants?)

No.	L.	W.	Th.	Material	Occurrence
281619	4.5	4.5	0.6	Indeterminate B/W	Room 5, Fill
281679	5.2	4.0	0.7	B/R	Room 12, Fill
281712	4.5	4.5	0.6	Red	Room 12, Fill
281732	5.7	3.7	0.6	Alma Plain	Room 12, Fill
281800	3.5	3.4	0.5	Corrugated	Room 12, Fill

Half-Discs (10)

281043	4.7		0.4	B/W	Tr.B, Sq.1R2, Lev.2
281252	3.6		0.5	Snowflake B/W	Tr.C, Sq. 7, Lev. 1
281409	4.0		0.5	Snowflake B/W	Tr.B, Sq.1R5, Lev.4
281438	5.3		0.4	Indeterminate B/W	Tr.G, Sq. 4, Lev. 3
281645	5.6		0.6	Indeterminate B/W	Room 9, Floor
281648	3.7		0.5	Indeterminate B/W	Room 5, Fill
281672	5.8		0.6	Snowflake B/W	Tr.B, Sq.5R4, Lev.1
281797	3.9		0.6	B/R	Room 12, Fill
281923	5.4		0.6	Indented Corrugated	Kiva 1, Fill
281987	4.4		0.5	Snowflake B/W	Kiva 1, Fill

Worked Sherds with Notched Ends (4)

Worked sherds with edges rubbed smooth and one end notched forming teeth

No.	L.	W.	Th.	Material	Occurrence
281125	3.6	3.5	0.6	Snowflake B/W	Tr.B, Sq.1R2, Lev.2, Burial 3
281297	4.8	4.7	0.6	Snowflake B/W	Room 3, Fill
281680	6.9	6.1	0.6	Snowflake B/W	Tr.B, Sq.4R4, Lev.1
281461	3.3	2.6	0.4	B/W	Tr. B, Sq. 1R6

"Spoons" (28)

Roughly oval forms with edges rubbed smooth, generally more oval deeply concave than disc-shaped sherds, many show wear on the convex side of the broad edge.

281305	9.9	9.1	0.6	Snowflake B/W	Tr.G, Sq.3L1, Lev.1
281306	9.5	5.5	0.6	B/W	Tr.G, Sq.3R1, Lev.1
281459	9.6	5.5	0.7	Snowflake B/W	Room 7, Floor
281462	9.8	6.8	0.6	Gray	Kiva 1, Trench
281501	9.9	6.3	0.5	Snowflake B/W	Room 7, Fill
281530	9.4	5.8	0.7	Snowflake B/W	Tr.G, Sq. 5, Lev. 5
281533	6.1	5.4	0.6	Snowflake B/W	Room 4, Floor 2
281618	9.5	8.1	0.8	Indented Corrugated	Room 5, Fill
281633	7.3	4.6	0.6	Snowflake B/W	Kiva 1, SW corner
281636	6.0	5.2	0.5	B/W	Room 10, Fill
281637	8.0	5.1	0.7	Snowflake B/W	Room 10, Fill

"Spoons" (Continued)

No.	L.	W.	Th.	Material	Occurrence
281642	9.2	7.7	0.6	Snowflake B/W	Room 10, Fill
281826	9.5	6.1	0.6	Indeterminate B/W	Room 5, Floor
281852	9.9	4.0	0.6	Snowflake B/W	Room 15, Fill

Fragments of large worked sherds, possibly scoops or spoons one or more curved edges rubbed smooth

281085	8.0	5.5	0.8	Snowflake B/W	Tr.E, Sq. 1, Lev. 3
281207	4.8	3.1	0.5	Snowflake B/W	Tr.D, Sq. 2, Bur. 6
281230	5.3	4.4	0.7	B/R	Tr. C, Sq. 5, Lev. 1
281250	7.3	4.2	0.5	Indeterminate B/W	Tr. C, Sq. 7, Lev. 2
281318	6.5	6.0	0.6	Snowflake B/W	Tr.G, Sq. 2L1, Lev.2
281329	7.7	6.8	0.6	Snowflake B/W	Room 3, Fill
281458	4.4	3.7	0.4	Snowflake B/W	Room 7, Floor
281474	5.6	2.7	0.5	Snowflake B/W	Room 7, Fill
281480	10.4	7.4	0.7	Snowflake B/W	Room 7, Fill
281531	5.5	3.8	0.4	Forestdale Smudged	Tr.D, Sq.3L1, Lev.5
281611	7.0	5.0	0.7	Alma Plain	Tr.B, Sq. 2R6, Lev. 2
281655	8.6	3.9	0.8	Patterned Corrugated	Room 12, Fill
281845	11.4	6.1	0.7	Indented Corrugated	Room 5, Fill
282003	7.1	4.9	0.6	St. Johns Polychrome	Room 16, Floor

Worked Sherds, Oval or Irregular Shapes (25)

Worked sherds of oval, triangular and other shapes with edges ground smooth.

Worked Sherds, Oval or Irregular Shapes (Continued)

No.	*	L.	W.	Th.	Material	Occurrence
281083	R	6.1	5.9	0.6	Snowflake B/W	Tr. D, Sq. 1, Lev. 3
281162	O	3.4		0.7	Indeterminate B/W	Tr. outside west wall
281172	R	2.8	1.8	0.5	Houck Polychrome	Tr. B, Sq.1, Lev. 1
281189	O	4.5	3.4	0.5	Indeterminate B/W	Tr.B, Sq.1R3, Lev. 1
281237	O	5.0		0.5	Snowflake B/W	Room 3, Trench
281299	O	4.3	3.6	0.6	Snowflake B/W	Room 3, Fill
281307	R	4.1	3.8	0.7	Indeterminate B/W	Tr.G, Sq.3L1, Lev.1
281470	R	3.7	2.8	0.5	Snowflake B/W	Tr. C, Sq. 9L2, Lev.3
281585	R	3.4	3.2	0.7	Plain Corrugated	Room 7, Fill and Floor
281643		3.8	2.7	0.5	Indeterminate B/W	Kiva 1, Fill,east wall
281658	Ob	4.3	2.5	0.5	Snowflake B/W	Room 12, Fill
281659	O	3.4	2.8	0.5	Snowflake B/W	Room 12, Fill
281717		5.7	5.1	0.7	Indeterminate B/W	Tr.B, Sq.5R6, Lev.1
281747	R	4.6	3.8	0.6	B/R	Room 12
281748		4.9	3.0	0.5	Snowflake B/W	Room 12
281789		3.0	2.7	0.6	Wingate B/R	Room 12, Fill
281858	O	4.9	4.1	0.7	Indented Corrugated	Room 5, Fill and Floor
281865		5.4	4.6	0.7	Snowflake B/W	Room 12, Fill
281964	P	5.6	4.5	0.7	Show Low B/R	Kiva 1, Floor
281976		4.2	3.6	0.7	B/R	Kiva 1, Fill
281979	T	4.1	3.0	0.6	Snowflake? B/W	Kiva 1, Fill
281980	R	5.3	3.5	0.6	Indeterminate B/W	Kiva 1, Fill

* O=Oval;Ob=Oblong;P=Pear-sh.;R=Rectangular;T=Triangular

Worked Sherds, Oval or Irregular Shapes (Continued)

No.	*	L.	W.	Th.	Material	Occurrence
281981	O	3.6	3.0	0.6	St. Johns Polychrome	Kiva 1, Fill
281983	R	4.2	3.8	0.6	McDonald Corrugated	Kiva 1, Fill
281990	O	4.1	3.6	0.7	Indented Corrugated	Kiva 1, Fill

Worked Sherd Fragments - One Worked Edge (37)

281008	4.1	1.7	0.4	B/R	Tr.A, Sq.2, Lev.1
281038	4.0	2.4	0.4	B/W	Tr.A, Sq. 3, Lev. 1
281040	3.6	2.5	0.6	B/W	Tr.A, Sq. 3, Lev. 1
281092	5.6	4.0	0.6	Snowflake B/W	Tr.B, Sq.1R2, Lev.3
281130	5.4	4.0	0.6	Corrugated	Tr.A, Sq.5L5,Ashy layer
281172-2	3.0	1.7	0.4	B/W	Tr.B, Sq. 1, Lev. 1
281288	5.0	3.9	0.6	Corrugated	Tr.D, Sq. 1, Lev. 1
281301	5.9	4.7	0.7	B/W	Tr. G, Sq.2L1,Lev.2
281317	7.4	3.1	0.8	Snowflake B/W	Room 5, Fill
281330	4.6	4.4	0.6	Corrugated	Room 3, Fill
281427	4.5	3.7	0.7	Corrugated	Tr.C, Sq.9L2, Lev. 1
281510	7.5	4.0	0.6	Indeterminate B/W	Room 7, Fill
281511	4.3	2.3	0.5	Indeterminate B/W	Room 7, Fill
281519	4.1	2.3	0.6	Plain	Tr. B, Sq.1L6, Lev.4
281613	4.0	3.0	0.4	Snowflake B/W	Tr.B, Sq.3R5, Lev. 1
281616	5.3	4.0	0.3	Snowflake B/W	Tr.B, Sq.5R5, Lev.1
281623	2.7	2.7	0.4	San Francisco Red	Tr.B, Sq.4R5, Lev.1
281631	8.9	4.6	0.6	Snowflake B/W	Tr.B, Sq.2R6, Lev.4

Worked Sherd Fragments - One Worked Edge (Continued)

No.	L.	W.	Th.	Material	Occurrence
281657	5.5	4.8	0.5	Snowflake B/W	Room 12, Fill
281662	5.3	3.8	0.6	Snowflake B/W	Tr.B, Sq.3R6, Lev. 1
281663	4.1	3.7	0.5	Snowflake B/W	Kiva 1, SW Quad. fill
281669	4.5	3.3	0.5	Snowflake B/W	Room 12, Trench
281694	3.9	3.1	0.5	Forestdale Smudged	Tr.B, Sq.4R1, Lev.2
281713	7.2	2.4	0.6	Red	Room 12, Fill
281749	3.7	3.5	0.7	Indeterminate B/W	Room 12, Fill
281762	5.4	3.7	0.5	Black Mesa B/W	Tr.B, Sq.3R2, Lev.2
281763	6.5	3.6	0.6	Snowflake B/W	Room 2, Below floor
281779	6.7	3.2	0.5	Indeterminate B/W	Room 12, Fill
281801	6.4	3.4	0.6	Indeterminate B/W	Room 12, Fill
281823	6.2	4.8	0.7	B/R	Room 5, Floor
281886	3.6	2.3	0.6	Corrugated	Room 12, Fill
281942	5.3	4.1	0.6	Indeterminate B/W	Kiva 1, Floor
281957	4.8	3.0	0.6	B/R	Kiva 1, Fill
281959	3.6	4.0	0.6	B/W	Room 10, Fill Below Fl.1
281960	5.7	4.3	0.7	Indented Corrugated	Room 10, Fill Below Fl.1
281978	5.2	3.1	0.4	B/W	Kiva 1, Fill

MINIATURE LADLES

281917	4.7	3.6	1.9	Pinch Pot	Kiva 1, Floor
282014	4.4	3.4	2.0	Pinch Pot	Room 3, Trench
281131 (bowl)	4.7	3.9	0.7	Pinch Pot	Tr.A, Sq.5L5,Ashy layer

PIGMENTS

Color	Material	Occurrence
Yellow	Limonite	Trench B, Sq. 1R1, Level 2
		Trench C, Sq. 7L1, above Bur.16
Blue-green	Turquoise	Trench B, Sq. 3R1, with Burial 9 (faceted)
		Room 5, floor (faceted)
Red	Hematite	Room 5, fill (faceted)
		Room 5, floor
		Trench A, Sq. 5L4, Ashy level (rounded face)
		Trench E, Sq. 1L1, Level 1, with Burial 4
		Trench E, Sq. 1L1, Level 2, with Burial 7
		Room 2, floor
White	Mostly gypsum	Room 5, fill
		Trench D, Sq. 3, Level 5, with Burial 15 (clay)
		Trench B, Sq. 1R4, Level 4
		Trench G, Sq. 4L1, Level 4
		Room 12, fill
		Kiva 1, trench (white clay)
		Room 3, trench
		Trench C, Sq. 8, Level 3
		Trench B, Sq. 1L4, Level 3

MANOS

Single Grinding Surface

(Ia) Rectangular in outline (six specimens oval), 25 specimens with surfaces parallel, 22 wedge shaped in cross section, grinding surface convex (47), (39-61), (8-62).

No.	L.	W.	Th.	Remarks	Occurrence
16	15.7+	13.1	3.5	Wedge-shaped	Room 18, Fill
282193	5.7+	7.7+	2.5	Wedge-shaped	Room 19, Level C
10	11.9+	9.1	4.4	Wedge-shaped	Room 18, Trench
105	8.6+	10.1	2.3	Wedge-shaped	Room 19, Level M
183	9.7+	10.0	4.9		Room 22, Floor
169	15.8	9.3	3.2	One hand	Trench H, Sq. 1, Feature 1
150	13.7	11.0	4.4	One hand	Rm. 21, Fl., So. pit
140	10.6	9.2	6.4	One hand oval	Room 22, Level A

(Ic) Rectangular in outline, (two specimens oval), surfaces parallel, five specimens wedge shaped in cross section, grinding surface slightly convex, (21), (19-61), (2-62).

No.	L.	W.	Th.	Remarks	Occurrence
185	21.0	10.4	6.0	Loaf-shaped	Room 22, Level A
26	14.3	10.9	4.8	One hand	Room 19, Level B

(Id) Rectangular with rounded corners in outline, (seven specimens oval), surfaces parallel (three specimens wedge shape in cross section), grinding surface flat (56), (34-61), (22-62).

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
102	7.9+	6.5	1.8	Oval, wedge-shaped	Rm. 18, Level C (sandy clay)
75	14.3	9.4	4.2	One hand oval	Room 21, fill
77	12.9+	7.6	3.0		Room 18, fill
7	25.3	11.7	3.4		Plaza, Trench along wall
25	6.6+	5.7+	3.4		Room 18, Trench
35	19.7	9.5	2.7	Oval	Room 18, Level A
43	10.3+	11.4	5.0	Loaf-shaped	Room 21, fill
45	10.5+	10.0	2.7	Wedge-shaped	Rm. 19, Level C, fill
49	10.4	9.5	2.5	One-hand	Great Kiva, Trench along bench
113	18.7	12.1	3.8		Room 21, floor
114	14.0+	8.6	3.4		Great Kiva, fill, S.W. Quad.
115	9.3+	14.7	1.3		Rm. 18, Level A, fill
142	7.5+	12.2	3.1		Rm. 22, Level A, fill
147	17.5	10.2	4.7		Room 23, Trench
151	11.2	10.5	4.9	One-hand	Rm. 22, Level A, fill
152	8.8+	10.4	3.7		Great Kiva, fill
177	10.8	5.9	1.8	One-hand	Room 22, floor
178	13.0	9.9	4.8	One-hand, oval	Room 22, floor
186	20.5	10.1	3.6		Room 23, Ashy level
191	10.4+	10.5	3.0	Oval	Room 19, fill

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
176	12.0+	10.1	2.6	Wedge-shaped	Room 21, floor
33	10.4	8.2	3.1	Oval, one-hand	Great Kiva, Trench to W. wall

(Ie) Rectangular in outline, grinding surface convex and transitional to beveled (26), (24-61), (2-62).

No.	L.	W.	Th.	Remarks	Occurrence
9	7.7+	11.1	3.0		Room 18, Trench
29	6.3+	9.8	1.1		Rm. 18, N.W. Corner

(If) Rectangular to elongated oval in outline, single grinding surface beveled in a double plane with a longitudinal ridge between (25), (11-61), (14-62).

No.	L.	W.	Th.	Remarks	Occurrence
34	29.0	8.7	2.3		Plaza, Trench
42	17.0	11.0	3.6		Room 18, Ashy Level, fill
74	25.9	11.2	2.5		Room 18, fill
91	15.3+	9.2	1.6		Rm. 19, Level E, fill
101	11.8+	7.8	2.4		Rm. 18, Level C, fill
119a	26.3	11.1	3.3		Room 18, fill
119b	28.0	12.0	3.1		Room 18, fill
144	9.7+	9.9	3.7		Room 18, Door
154	14.3+	9.4	2.8		Room 19, Level M, fill
158	23.1	11.3	2.2		Rm. 18, Pit, No. 4, floor

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
173	29.1	11.0	2.6		Rm. 22, Floor 1, Firepit
180	27.0	8.5	3.1		Rm. 22, floor
187	24.0	9.9	3.0		Rm. 22, floor
189	12.8+	10.3	4.2		Rm. 23, Ashy fill

(IIa) Rectangular with rounded corners in outline, three specimens oval, seven specimens wedge-shaped in cross section, remainder with surfaces parallel, two convex grinding surfaces, (20), (16-61), (4-62).

No.	L.	W.	Th.	Remarks	Occurrence
58	25.4	11.0	3.3		Room 18, fill
15	20.2	9.8	3.4	Oval, wedge-shaped	Room 19, fill
53	17.3	10.12	3.4	Wedge-shaped	Plaza, Trench H
132	10.1+	8.6	3.7		Great Kiva, fill, N.E. Quad.

(IIc) Rectangular in outline, twelve specimens wedge-shaped in cross section, the remainder with surfaces parallel, two flat grinding surfaces, (29), (11-61), 18-62).

No.	L.	W.	Th.	Remarks	Occurrence
282360	4.7+	7.1+	2.1		Great Kiva, Trench, S.W. Quad.
110	8.2+	10.4	2.6	Wedge-shaped	Rm. 19, Level E, fill
120	16.8+	12.0	3.6	Wedge-shaped	Room 18, fill
141	10.7+	8.9	6.3	One-hand mano	Rm. 22, Level A, fill

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
155	22.1	11.9	4.2	Wedge-shaped	Room 19, floor
163	25.3	12.9	2.7		Room 18, floor
174	3.3+	8.2	4.0	Wedge-shaped	Trench J, Square 1, Level B
179	27.4	12.7	1.3		Room 22, floor
188	12.8+	10.3	3.1	Wedge-shaped	Rm. 23, Level A, fill
41	11.5	9.6	4.5	One-hand mano	Plaza, trench
50	9.1+	9.5	4.1	Wedge-shaped	Rm. 19, Level G, W. half
52	10.0+	8.7	5.5	Wedge-shaped	Rm. 19, Level K, fill, W. half
54	10.5+	9.7	3.3	Wedge-shaped	Rm. 19, Level G, fill, W. half
76	10.3+	11.7	3.6	Wedge-shaped	Room 21, fill
95	16.6+	12.3	3.9		Rm. 18, Level D, fill (Ash)
162	14.3	10.3	4.5	One-hand mano	Room 18, floor
143	19.4	11.3	3.3		Rm. 22, Level A, fill
121	10.3	10.3	3.3	One-hand mano	Room 18, fill

(IIh) Rectangular in outline, generally wedge-shaped in cross section; one grinding surface flat, the other beveled in a double plane with one plane roughly parallel to flat grinding surface, (21), (7-61), (14-62).

No.	L.	W.	Th.	Remarks	Occurrence
111	10.3+	11.3	3.8	Plano-convex	Rm. 19, Level E, fill

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
63	15.1+	11.0	3.0	Plano-convex	Room 18, Ashy-fill
78	14.0+	7.9+	2.4	Wedge-shaped	Rm. 18, Level E, fill
67	9.2+	8.9	2.1		Rm. 18, Ashy level, fill
123	6.6+	9.4	2.3		Room 18, Fill
137	10.9+	7.5+	3.1	Wedge-shaped	Room 22, Trench
146	9.0+	9.7	2.2	Wedge-shaped	Room 23, Trench
148	12.5+	7.8	3.1	Wedge-shaped	Rm. 18, Level C, fill (Clay)
149	15.9+	11.3	3.0	Wedge-shaped	Rm. 18, Level D, fill (Ashy)
157	20.5	10.4	2.3	Wedge-shaped	Rm. 18, Pit No. 4, floor
171	10.6+	9.3	3.0		Trench H, Sq. 1, Feature #1
172	18.3+	10.3	3.4		Trench H, Sq. 1, Feature #1
181	5.2+	8.1	3.2	Wedge-shaped	Room 22, floor
64	9.8+	12.9	4.1		Room 18, ashy fill

(IIj) Rectangular in outline, grinding surfaces parallel (two specimens wedge-shaped in cross section), one grinding surface convex, the other flat, (15), (11-61), (4-62).

No.	L.	W.	Th.	Remarks	Occurrence
131	10.8+	10.4	3.7	Wedge-shaped	Great Kiva, fill, N.E. Quad.
11	20.7	11.7	3.7		Room 18, Trench

MANOS (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
112	13.0+	11.6	2.5	Wedge-shaped	Room 18, floor
161	12.0+	11.0	3.4		Room 18, floor

(IIk) Rectangular in outline, grinding surfaces parallel, (one specimen wedge-shaped in cross section), one grinding surface slightly convex, the other flat, (7), (6-61), (1-62).

No.	L.	W.	Th.	Remarks	Occurrence
6	9.8+	13.1	3.7		Plaza, Trench

(III) Oval in outline, grinding surfaces scarcely used and worn, (8), (8-62).

No.	L.	W.	Th.	Remarks	Occurrence
40	11.5	10.7	4.3	One-hand mano	Room 21, fill
56	14.3+	5.0+	3.1	Rectangular	Rm. 18, ashy level, fill
71	12.6	10.1	7.4	One-hand mano	Room 18, fill
84	5.5+	5.2+	3.8		Room 18, ashy fill
99	10.2	8.6	3.5	One-hand mano	Rm. 18, Lower ashy fill
170	18.0+	11.5	6.3		Room 23, Trench
21	21.0	10.5	9.0		Room 19, fill
18	10.5+	8.7	4.8	One-hand mano	Great Kiva, Trench

RUBBING STONES

Oval or oblong in outline with single flat rubbing surface; two specimens with slightly convex rubbing surfaces, (11), (9-61), (2-62).

RUBBING STONES (Continued)

No.	L.	W.	Th.	Occurrence
28	9.9	7.3	5.3	Great Kiva, Trench
81	7.5	5.9	2.3	Room 18, Level E, fill

POLISHING STONES

Small rounded pebbles, some oval in outline, with one or more smooth polishing facets, (20), (10-61), (10-62).

No.	L.	W.	Th.	Occurrence
282076	2.7	2.7	1.4	Room 18, Trench
282120	3.8	3.8	1.2	Room 19, Level C, Fill
282135	6.0	4.5	2.6	Room 18, Fill
282157	2.9	2.2	1.3	Room 18, Level A, Fill
282169	3.2	2.7	2.2	Room 18, Level D, Fill
282198	4.4	4.4	2.2	Room 18, Level A, Fill
282219	6.2	6.0	4.9	Trench J, Square 1, Level A
282280	5.7	4.6	3.5	Plaza, Trench
282142	3.6	3.1	1.9	Depression, Trench
70	6.9	6.1	3.0	Room 18, Ashy Fill

MORTARS

Thick slabs, irregular blocks or rounded cobbles with cavity pecked and ground into one broad surface, one specimen with two cavities, residue of paint(?) in some cavities, (9), (8-61), (1-62).

No.	L.	W.	Th.	Cavity Depth	Cavity Diam.	Occurrence
130	13.0	13.0	2.94	1.46	7.35	Great Kiva, S.W. Quad., Roof fill, near pillar

METATES

Flat metates made from thick, rectangular slabs; grinding surfaces slightly concave lengthwise; bottom, sides and ends of slabs sometimes rough-hewn, (12), (10-61), (2-62).

No.	L.	W.	Th.	Occurrence
193	40.0	32.0	12.0	Room 23, Fill
166	19.3+	10.6+	2.7	Room 18, Pit No. 4

Trough type, made from large thick, roughly rectangular slabs, trough open at both ends, (12), (8-61), (4-62).

No.	L.	W.	Th.	Trough Width	Trough Depth	Occurrence
192	36.0	34.5	12.0	26.5	3.1	Room 19, Fill
108	30.2+	19.4+	5.9	Shallow		Room 19, Level E, Fill
R. 18-2	20.0+	28.0+	7.0	Shallow		Room 18, Fill
R. 23-1	33.0+	34.0	10.0	26.0	2.5	Room 23, Fill

WORKED SLABS

Roughly rectangular in outline, edges chipped or rough-hewn to shape; occasionally ground smooth, (14), (11-61), (3-62).

No.	L.	W.	Th.	Occurrence
167	28.5	19.6	4.1	Room 19, Level M, Fill
R. 18-1	45.5	36.0	2.8	Room 18, Fill
R. 19-1	45.0	45.0	2.5	Room 19, Fill

Irregularly shaped fragment of sandstone slab with what is probably a circular hole drilled in approximate center, probably ring-slab.

No.	L.	W.	Th.	Diam. of Hole	Occurrence
168	43.0	30.0	2.9	16.9	Rm. 19, just above floor

HAMMERSTONES

Battered and pitted pebbles mostly of rough angular shapes, some smooth oval pebbles with one battered end (70), (24-61), (46-62).

No.	L.	W.	Th.	Remarks	Occurrence
282069	10.5	9.2	6.7		Great Kiva, West Wall, Trench
282075	7.2	5.7	3.7		Great Kiva, West Wall, Trench
282201	5.2	3.8	3.8		Room 21, Trench
282366	6.3	5.6	4.5		Great Kiva, N.E. Quad., Fill
282391	8.0	5.9	3.7		Room 22, Level A, Fill
282399	6.1	6.1	4.2		Room 18, Level C, Fill
282437	5.1	4.7	2.8		Room 23, Floor
139	5.4	5.4	4.7		Great Kiva, N.E. Quad., Fill
138	8.6	7.0	6.3		Great Kiva, N.E. Quad., Fill
129	7.0	7.0	3.4		Room 18, Fill
126	7.4	6.3	4.5		Room 18, Fill
118	8.8	7.9	5.7		Room 18, Level C, Fill
98	8.7	7.9	7.0		Room 18, Level D-1, Fill, Ashy
93	8.5	6.0	4.8		Room 21, Level C, Fill
90	6.3	5.3	3.7		Room 18, Ashy Fill, N. half
86	9.4	5.8	4.0		Room 18, Ashy Fill, N. half
73	8.5	8.0	4.7		Room 18, Level C, Fill
69	10.6	6.2	4.1		Room 18, Fill
68	9.4	7.2	6.7		Room 18, Ashy Level, Fill
66	8.8	6.5	5.3		Room 18, Ashy Level, Fill

HAMMERSTONES (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
61	6.0	5.3	4.3		Room 18, Ashy Level, Fill
60	8.5	5.7	4.3		Room 18, Ashy Level, Fill
57	7.7	6.6	4.2		Room 18, Ashy Level, Fill
48	8.2	6.2	6.5		Great Kiva, Trench
47	8.8	5.9	4.5		Room 18, Level A, Fill
46	6.7	7.7	4.5		Room 21, Trench
32a	8.8	6.7	5.0		Room 18, Trench, S. Wall
32b	7.3	6.5	4.6		Room 18, Trench, S. Wall
32c	7.5	5.8	4.1		Room 18, Trench, S. Wall
31a	5.7	5.7	4.8		Room 18, Trench, S. Wall
31b	7.5	6.7	5.8		Room 18, Trench, S. Wall
31c	6.3	6.2	4.6		Room 18, Trench, S. Wall
30	10.3	8.9	5.7		Room 18, Trench
12	8.8	5.9	4.5		Room 18, Trench
13	8.6	6.8	5.9		Room 18, Trench
184	9.1	6.2	7.3		Room 22, Floor
109	16.6	6.6	4.3	Long Oval	Room 18, Fill
107	14.8	11.2	6.7	Ovoid Cobble	Room 19, Level M
51	14.3	10.6	9.2	Oval Pebble	Room 19, Level K, Fill
44	11.5	6.5	5.2	Oval Pebble	Room 18, Ashy Level, Fill
39	9.8	8.7	4.1	Oval Pebble	Room 21, Fill
37	8.3	5.3	3.9	Pebble	Room 18, Level A, Fill

HAMMERSTONES (Continued)

No.	L.	W.	Th.	Remarks	Occurrence
36	9.5	5.5	5.5	Oval Pebble	Room 18, Level A, Fill
24	7.1	6.1	6.0	Round Pebble	Room 18, Trench
14	6.6	6.5	4.1	Oval Pebble	Room 18, Trench
182	11.5	8.5	4.5	Oval Pebble	Room 22, Floor

AXES

Three-quarters grooved type; two specimens grooved near middle, the others about three-quarters of the length from cutting edge towards poll, lower edge of groove has lip formed by shallow secondary groove; inner side is flat (no groove); the faces of the bit curve from the groove to the edge and the outer side is convex; with two exceptions they have short rounded polls; the edge of the bit is a little narrower than the maximum width of the axe; the faces of two bits are badly broken, the others polished, (6), (5-61), (1-62).

No.	L.	W.	Th.	Groove Width	Groove Depth	Occurrence
22	16.0	8.2	6.0	3.2	0.4	Room 19, Fill, N.E. Corner

ARROW SHAFT STRAIGHTENERS

Transverse Type: Naturally shaped, generally oval stone with single (one specimen with two) polished groove across broad surface at right angles to long axis; groove U-shaped, of same width from end to end, (10), (7-61), (3-62).

ARROW SHAFT STRAIGHTENERS (Continued)

No.	L.	W.	Th.	Groove Width	Occurrence
282438	6.3	2.7	1.5	0.5	Room 23, Floor
104	8.0	8.0	4.0		Room 19, Level M, Fill
97	9.8	8.4	3.2	(Broken at Groove)	Room 18, Level D-1, Fill

Truncated triangular type: Naturally shaped pebble, cross section generally in the shape of a truncated triangle; single polished groove crosses this ridge; two specimens with ridge artificially outlined and flattened, (13), (4-61), (9-62).

No.	L.	W.	Th.	Groove Width	Occurrence
165	9.7+	8.2	5.8	1.3	Room 18, Floor
164	14.0	5.1	6.6	1.3	Room 18, Floor
145	14.0	12.0	7.4	1.3	Room 18, Level D-1, Fill
135	10.4	7.0	6.1	1.2	Room 18, Level E
96	10.1	8.3	5.9	1.2	Room 18, Level D-1, Fill
55	8.2	7.0	4.4	1.3	Room 18, Ashy Fill
20a	13.5	8.7	5.7	?	Room 19, Trench, N.E. Corner
20b	13.0	8.6	6.2	1.0	Room 19, Level A, Fill
94	8.1	6.5	4.7	1.1	Room 18, Level D-1, Fill

STONE DISKS (POT COVERS?)

Small stone slabs, roughly circular in outline, broad surfaces roughly parallel, (8), (4-61), (4-62).

STONE DISKS (POT COVERS?) (Continued)

No.	L.	W.	Th.	Material	Occurrence
282141	8.2	5.0+	0.7	Sandstone	Room 18, Lower Fill
160	16.0	14.0	2.0		Room 18, Floor
159	18.0	15.0	2.0	Sandstone	Room 18, Floor
27	22.7	19.8	0.9	Sandstone	Room 18, Trench, North Wall

PIPE

Sub-conical stone pipe split into two halves, tapering hole bored through center, two grooves etched into exterior one third of way up from stem end encircle pipe, (2), (1-61), (1-62).

No.	L.	Diameter top	Diameter stem end	Occurrence
282423	5.94	3.72	2.08	Room 22, 7 cm. above floor

PROJECTILE POINTS

Small triangular, straight base, no notches, (14), (6-61), (8-62).

No.	L.	W.	Th.	Occurrence
282471-1	4.44	1.25	0.33	Room 19, Floor
282471-2	3.72	0.99	0.23	Room 19, Floor
282430	2.45	1.52	0.42	Trench J, Sq. 1, Level B
282426	2.65	1.81	0.38	Room 18, Level D-1, Fill
282311	2.62	1.55	0.28	Room 18, Level A, Fill
282242	2.98	1.77	0.38	Room 18, Level E, Fill
282350	2.34	1.47	0.24	Room 18, Level A, Fill
282445	1.60+	1.58	0.44	Trench J, Sq. 1, Level D

PROJECTILE POINTS (CONTINUED)

Small triangular, concave base, no notches, (11), (7-61), (4-62).

No.	L.	W.	Th.	Occurrence
282410	2.93	1.35	0.31	Room 23, Trench
282342	1.70+	1.18	0.24	Room 18, Ashy Level, Fill
282449	1.78+	1.04	0.24	Trench J, Sq. 1, Level Y
282418	2.25	1.09	0.20	Room 18, Sealed Pit #2

Small triangular, lateral notched, straight base or convex base (7).

282096	2.60	1.23	0.50	Room 19, Fill
282469	2.12	1.14	0.31	Trench J, Sq. 1, Level B
282307	2.21	1.15	0.28	Surface, N.E. of Ruin

Small triangular, lateral notched, concave base, (24), (6-61), (18-62).

282459	2.15	0.91	0.23	Trench J, Sq. 1, Level C
282474	2.01+	1.32	0.20	Room 23, Level A, Fill
282455	2.09	1.08	0.32	Trench J, Sq. 1, Level D
282453	2.15	0.91	0.27	Trench J, Sq. 1, Level D
282429	2.50	1.20	0.27	Trench J, Sq. 1, Level B
282419	2.39	1.27	0.22	Room 19, Floor
282235	2.42	1.11	0.22	Room 18, Level C, Fill
282237	3.01	1.27	0.26	Room 18, Level C, Fill
282154	2.30	1.21	0.12	Room 18, Fill, South Wall
282427-1	1.91	1.00	0.20	Room 19, Floor
282427-2	2.04	0.87	0.18	Room 19, Floor

PROJECTILE POINTS (Continued)

No.	L.	W.	Th.	Occurrence
282446	0.91+	1.15	0.20	Trench J, Sq. 1, Level E
282471-3	4.04	1.12	0.24	Room 19, Floor
282471-4	2.60+	1.26	0.36	Room 19, Floor
282471-5	2.63	1.27	0.30	Room 19, Floor
282471-6	2.29	1.20	0.21	Room 19, Floor
282448	1.03+	1.13	0.37	Trench J, Sq. 1, Level B
282450	1.72	0.77	0.18	Trench J, Sq. 1, Level A

Medium-sized lateral notched points with stems, five specimens with bread triangular blades, three specimens with medium sized blades, two with long narrow blades, expanding stems narrower than shoulder, (10), (4-61), (6-62).

282206	3.88+	1.58	0.46	Room 19, Level G, Fill
282308	2.88+	2.42	0.64	Great Kiva, Fill
282415	3.69	1.78	0.57	Room 18, Level D-1, Fill
282377	4.05+	2.16	0.47	Room 18, Level D-1, Fill
282352	2.69+	1.82	0.62	Room 18, Level D, Fill
282232	5.32	1.65	0.54	Room 18, Ashy Fill

Medium-sized diagonal notched points with expanding stems narrower than shoulder, straight base and down-raking barbs, (3), (1-61), (2-62).

282321	3.45+	1.75	0.47	Room 18, Level D-1, Fill
282428	1.90+	2.00	0.69	Room 19, Floor

PROJECTILE POINTS (Continued)

Long narrow blade, diamond-shape in cross section, edges of blade serrate, base notched, two large teeth or laterally projecting barbs on either edge at upper margin of base; edges of base straight.

No.	L.	W.	Th.	Occurrence
282458	5.09	2.00	0.75	Trench J, Sq. 1, Level C

Corner notched, straight stem, lenticular cross section, triangular blade, (1), (1-62).

282454	2.31	1.25	0.20	Trench J, Sq. 1, Level D

DRILLS

Sharpened slender flakes, one end chipped to a point by pressure chipping, (3), (2-61), (1-62).

No.	L.	W.	Th.	Occurrence
282411	3.8	0.96	0.2	Trench J, above Burial 32

Long slender tapering point, lenticular in cross section with abruptly widening flange base, (3), (2-61), (1-62).

282296	2.05	1.80	0.36	Room 18, Level C, Fill

Slender point, concavo-convex in cross section, tapering from a relatively large broad base, (2), (1-61), (1-62).

282209	5.64	1.95	1.2	Room 18, Level E, Fill

GRAVERS

Thick random flakes shaped at one side or end by chipping from convex face to produce short, sharp, high-angle tip (4), (4-62).

GRAVERS (Continued)

No.	L.	W.	Th.	Occurrence
282398	3.56	3.2	1.11	Room 18, Lower Clay Level
282263	2.54	1.1	0.5	Room 18, Ashy Fill
282188	4.30	4.25	0.83	Room 18, Ashy Fill
282180	4.71	3.00	1.23	Room 18, Ashy Fill

Thick random flakes, projecting sharp tips probably chipped by use; tips appear to be part of original shape of flake rather than intentional, (3), (3-62).

282183	4.53	2.63	0.89	Room 18, Ashy Fill
282173	4.38	2.60	1.04	Great Kiva, Trench
282128	4.25	2.98	0.42	Room 19, Trench,East Wall

SAWS

Thin flakes with one or more edges deeply indented, serrate; two specimens with tang-like projections, (38), (26-61), (12-62).

No.	L.	W.	Th.	Occurrence
282081	5.44	3.56	0.75	Room 19, Trench, East Wall
282107	2.75	2.44	0.71	Room 18, Trench
282111	3.28	3.13	0.5	Room 19, Trench
282182	3.49	3.31	0.38	Room 18, Ashy Fill
282185	2.52	2.88	0.22	Room 18, Ashy Fill
282230	3.60	2.41	0.87	Room 18, Ashy Fill
282284	4.02	2.25	0.56	Room 18, Level C, Fill
282343	4.46	2.81	0.72	Room 18, Ashy Fill

SAWS (Continued)

No.	L.	W.	Th.	Occurrence
282344	2.81	2.42	0.26	Room 18, Ashy Fill
282356	4.10	2.93	0.60	Room 21, Floor
282376	3.14	2.80	0.56	Room 19, Floor
282385	3.61	1.78	0.40	Room 19, Level E, Fill

UTILIZED FLAKE KNIVES

Thin flakes, longer than broad, generally chipped along one edge, possibly from use; less frequently sharpened by retouch chipping, (320), (224-61), (96-62).

Occurrence: Rooms 2, 3, 5, 7, 8, 12, 14, 15, 18, 19, Kiva I, Great Kiva, Plaza, fill; Rooms 3, 4, 5, 6, 10, 12, 15, 18 floors; all trenches.

Dimensions: Length, 1.5 - 7.2 cm., average, 3.7 cm.; width, 1.2 - 5.2 cm., average, 2.3 cm.; thickness, 0.2 - 1.4 cm., average, 0.6 cm.

LARGE SCRAPERS

Large, rough thick angular flakes or spalls, generally plano-convex in cross section, secondary chipping along one edge (14), (61-61), (8-62).

No.	L.	W.	Th.	Occurrence
87	8.11	6.61	2.42	Room 18, Ashy Fill
82	9.89	7.75	2.88	Room 18, Level E, Fill
62	7.36	5.70	2.63	Room 18, Ashy Fill
282276	6.54	5.48	2.47	Room 19, Level M, Fill on fl.

LARGE SCRAPERS (Continued)

No.	L.	W.	Th.	Occurrence
282194	7.42	5.25	3.00	Room 19, Level G, Fill
282138	8.07	4.86	1.52	Room 18, Lower Fill
282146	7.61	4.43	2.13	Room 18, Fill, N.W. Corner
282405	6.58	5.52	3.77	Room 19, Level E, Fill

SMALL SCRAPERS

Small rough, thick flakes with some secondary chipping at a steep angle along one or more edges, generally plano-convex in cross section, occasionally convex surface shaped by percussion chipping, (306), (261-61), (45-62).

Occurrence: Rooms 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 15, 18, 19, 21, Great Kiva, Plaza fill; Rooms 3, 8, 10, floors; all trenches.

Dimensions: Length, 2.7 - 6.9 cm., average, 4.6 cm.; width, 1.5 - 6.2 cm., average, 3.3 cm.; thickness, 0.6 - 3.0 cm.; average, 1.3 cm.

Materials: Chert, quartzite, fine-grained basalt.

CHOPPERS

Biface type. Thick angular pebbles with one margin flaked from two surfaces to form sharp cutting edge, frequently rounded portion of natural crust of stone left intact for grip, (31), (15-61), (16-62).

No.	L.	W.	Th.	Occurrence
282083	8.01	6.19	3.24	Room 19, Trench East Wall
282085	7.06	6.80	5.17	Room 19, Trench East Wall

CHOPPERS (Continued)

No.	L.	W.	Th.	Occurrence
282372	7.07	5.01	4.92	Room 18, Level C, Fill
190	12.00	10.50	3.89	Room 23, Level A, Fill
156	6.43	7.29	4.32	Great Kiva, Ramp
153	12.58	9.72	6.95	Room 19, Level E, Fill
128	6.35	5.35	4.80	Room 18, Fill
127	11.00	9.05	7.60	Room 18, Fill
100	7.79	6.57	5.15	Room 18, Level D-1, Fill
92	11.07	9.97	5.52	Room 21, Level C, Roof
87	7.21	6.60	3.79	Room 18, Ashy Fill
80	8.12	7.45	4.28	Room 18, Level E, Fill
65	12.14	9.94	7.00	Room 18, Ashy Fill
19	6.89	6.44	4.66	Room 19, Level A, Fill
17	11.00	7.57	4.81	Great Kiva, Trench along wall
282084	7.73	5.62	4.46	Room 19, Trench East Wall

Uniface type: thick angular pebbles, irregular in outline, plano-convex in cross section, margin flaked part way around from one surface to form sharp cutting edge, (23), (7-61), (16-62).

175	10.39	8.03	5.42	Trench J, Sq. 1, Level B-1
136	7.35	6.61	3.24	Room 18, Below Ashy Fill
134	8.49	7.04	3.55	Great Kiva, N.E. Quad, Fill
133	7.41	5.65	5.61	Room 18, Floor
116	7.55	6.99	5.77	Great Kiva, N.E. Quad., Fill

CHOPPERS (Continued)

No.	L.	W.	Th.	Occurrence
106	8.64	8.56	5.88	Room 19, Level M
103	10.70	7.42	4.45	Room 18, Level C, Fill
88	7.42	5.63	4.63	Room 18, Ashy Fill
85	7.24	6.32	5.02	Room 18, Ashy Fill
83	8.10	5.76	2.41	Room 18, Level E, Fill
79	12.93	7.58	7.65	Room 18, Level E, Fill
72	9.00	7.89	4.44	Room 18, Level C
59	8.39	6.25	3.03	Room 18, Ashy Fill
38	7.37	6.36	3.63	Room 19, Fill
23	9.10	7.50	3.60	Room 18, Trench
8	11.10	9.80	4.40	Room 18, Trench

BEADS AND PENDANTS

Small Disk Beads

Symmetrical minute circular beads with hole drilled through center, perforation often hour-glass shape.

No.	Quantity	Diam.	Th.	Material	Occurrence
282247	1	0.48	0.23	Jet	Room 19, Level E, Fill
282452	1	0.85	0.22	Jet	Trench J, Sq. 1, Level 2
282250	1	0.50	0.24	Shell	Room 18, Ashy Fill
282324	1	0.34	0.19	Shell	Room 18, Ashy Fill
282325	1	0.23	0.12	Jet	Room 18, Floor
282327-1	1	0.37	0.12	Shell	Room 18, Ashy Fill
282123	900+	0.30	0.12	Shell	Trench J, Sq. 1, Burial 34

BEADS AND PENDANTS (Continued)

Cylindrical White Beads

Very small cylindrical beads of thick shell or stone.

No.	Quantity	Diam.	L.	Material	Occurrence
282327-2	1	0.38	0.35	Shell	Room 18, Ashy Fill
282326	2	0.27	0.34	Shell	Room 19, Ashy Fill

Truncated Olivella

Truncated Olivella shells with parts of spires and bases cut off and ground down.

No.	Quantity	L.	Diam.	Material	Occurrence
282101	1	1.0	0.5	Olivella sp.	Room 18, Trench

Tubular Bone Beads

Sections of hollow long bones, both ends cut off square to long axis, ground smooth.

No.	Quantity	L.	Diam.	Occurrence
282302	1	3.4	0.7	Room 21, Floor

Oval Tabular Bone Pendant

Oval, flat, ring-like projection at one end.

No.	Quantity	L.	W.	Th.	Occurrence
282248	1	1.7	1.3	0.1	Room 19, Level E, Fill

BONE RINGS

Circular sections of hollow long bones, some thin, others thick; two specimens with patterns of incised triangles and dots have protuberances like beak of shell at one side, (13), (10-61), (3-62).

BONE RINGS (Continued)

No.	Diam.	W.	Th.	Occurrence
282218	1.9	0.8	0.29	Room 18, Ashy Fill
282246	1.8	0.5	0.23	Room 19, Level E, Fill
282312	2.1	0.6	0.30	Room 18, Ashy Fill

BONE RING MATERIAL

Head and portions of shaft of hollow long bones incised with one or more rings around end of shaft, (42), (37-61), (5-62).

No.	L.	W.	Th.	Diam.	Occurrence
282098	13.0	4.5	0.2	1.8	Room 18, Trench, N.E. Corner
282217	7.9	6.1	0.3	2.1	Room 18, Fill
282223	14.0	7.0	0.3	2.0	Room 18, Ashy Fill
282245	15.9	6.3	0.3	2.1	Room 18, Level E, Fill
282297	8.6	6.3	0.2	2.6	Room 18, Level A, Fill

SHELL BRACELET FRAGMENTS

Thin curved sections of bivalve shell, three perforated through umbo, (6), (2-61), (4-62).

No.	L.	W.	Th.	Material	Occurrence
282207	4.5	0.9	0.4	Glycymeris	Room 19, Level A, Fill
282209	4.7	0.5	0.4	Glycymeris	Room 18, Level E, Fill
282299	4.0	0.6	0.4	Glycymeris	Room 18, Level A, Fill
282117	3.4	1.0	0.6	Glycymeris	Room 18, Trench, N. Wall

CUT SHELL PENDANTS

Three fragments, one rectangular with side notches cut in edges near one end; a second triangular piece with triangular hole cut into it, the unbroken outer edge of triangle is curved; the third an oval piece with hole drilled through near one end, (3), (3-62).

No.	L.	W.	Th.	Remarks	Occurrence
282315	1.68	0.98	0.12	Rectangular	Room 18, Ashy Fill
282456	1.63	1.49	0.09	Triangular	Trench J, Sq. 1, Level E
282330	3.15	2.01	0.06	Oval	Room 19, Level M, Fill

BIRD EFFIGY

Small effigy of a bird depicted with wings folded, incisions on tail to represent feathers, base is broken off (1).

No.	L.	W.	Th.	Occurrence
282457	1.73	0.73	0.69	Trench J, Sq. 1, Level E

SMALL STONE DISKS

Small circular worked pieces of stone, surfaces fairly smooth, broad surfaces flat, parallel, (4), (3-61), (1-62).

No.	Diam.	Th.	Material	Occurrence
282216	3.8	0.28	Sandstone	Room 18, Ashy Fill

OVAL STONE PENDANT

Oval in outline, tabular form, hole drilled through from both surfaces near one end (2), (1-61), (1-62).

No.	L.	W.	Th.	Material	Occurrence
282236	4.48	2.28+	0.52	Sandstone	Room 18, Level C, Fill

SMALL TABLETS OR TINKLER STONES

Small, narrow tablets of stone, long in proportion to width, some polished, others rough petrified wood slivers; two specimens notched near one end, (11), (6-61), (5-62).

No.	L.	W.	Th.	Material	Occurrence
282163	7.5	1.1	0.3	Petrified Wood	Room 19, Level B, Fill
282259	9.8	1.9	0.8	Petrified Wood	Room 21, Roof clay
282265	2.9+	1.9	0.5	Petrified Wood	Room 18, Ashy Fill
282313	4.8+	2.5	0.6	Petrified Wood	Room 18, Ashy Fill
282373	8.4	1.6	0.6	Petrified Wood	Room 22, Level A, Fill

BONE AWLS

Head of bone intact, other end worked to a sharp point, (12), (8-61), (4-62).

No.	L.	W.	Th.	Occurrence
282087	11.50	3.78	1.26	Room 18, Trench, North wall
282155	6.74	1.07	0.75	Plaza, Trench, southeast corner
282224	9.74	1.15	0.14	Room 18, Ashy Fill
282255	2.85	1.12	0.15	Room 19, Level E, Fill

Head of bone intact except for splitting, other end worked to a point (14), (11-61), (3-62).

No.	L.	W.	Th.	Occurrence
282094	17.00	1.40	0.45	Room 19, Level E, Fill
282221	13.81	2.09	0.66	Room 18, Ashy Fill
282472	9.87	2.03	1.40	Room 23, Floor, S.E. Quad.

BONE AWLS (Continued)

Head of bone removed and worked down - squared off or blunted by cutting and grinding, other end worked to a sharp point, three specimens with spatulate ends, (9), (8-61), (1-62).

No.	L.	W.	Th.	Occurrence
282409	14.65	0.80	1.24	Room 23, Trench

Awls or pins made from long bones split in quarters, one end worked to a sharp point, the other end blunt, (7), (5-61), (2-62).

No.	L.	W.	Th.	Occurrence
282234	14.93	0.98	1.32	Room 18, Fill
282425	14.85	0.89	0.77	Room 22, two inches above floor

Grooved awls: made from long bones (metatarsals) which have not been split, hollowed out for two-thirds length above point; hole at base of intercondylar groove cleared out to meet gutter-like opening and groove below condyle on opposite (anterior) surface from cavity; this groove twists along bone to tip; condyle carved into disk-like form, (11), (9-61), (2-62).

No.	L.	W.	Th.	Occurrence
282470	22.5	2.41	1.69	Trench J, Sq. 1, Burial 34
282473	14.0+	1.73	1.45	Room 22, Pit #1

Split bone awls with head broken off leaving jagged end, most specimens small fragments and merely tips, (46), (27-61), (19-62).

Occurrence: Rooms 3, 5, 6, 12, 15, 18, 19, 21, 22, fill; Rooms 3, 10, 12, Kiva 1, floor; Trenches A, B, C, D. G, H, J.

BONE NEEDLE

Long tapering fragment of bone with one end ground to a point and hole drilled through opposite end (1), (1-62).

No.	L.	W.	Th.	Occurrence
282092	6.94	0.84	0.17	Room 19, Trench, East Wall

BONE DISC

Thin circular section of bone, edges worked, (1), (1-62).

No.	Diameter	Thickness	Occurrence
282319	4.30	0.18	Room 18, Lower Ashy Fill, Level D-1

BONE FLAKER

Oblong stick of bone with rounded ends, one of which has been beveled and blunted by use (1), (1-62).

No.	L.	W.	Th.	Occurrence
282310	8.48	1.49	0.60	Room 18, Floor, N.W. Quad.

BEAMERS

Leg bones split lengthwise and longitudinal section removed from shaft, condyles intact except for splitting, sharp edges between joints beveled to produce scraping edge adjoining surfaces polished through use (2), (2-62).

No.	L.	W.	Th.	Occurrence
282417	22.03	1.60	0.89	Room 19, Level E, Fill
282420	23.00	2.35	0.85	Room 19, Floor

ANTLER FLAKERS

Portion of antler tines with beveled and generally worn tips.

No.	L.	Diam.	No. of Facets	Occurrence
282132	7.82	1.35	Broken	Rm. 18, N.W. Corner, 5" above floor
282222	11.44	1.84	1	Room 18, Ashy Fill
282238	10.07	1.77	2	Room 21, Fill
282240	14.23	2.29	Broken	Room 18, Level E, Fill
282298	8.96	1.50	0	Room 18, Level A, Fill
282322	7.16	1.47	1	Room 18, Ashy Fill
282408	15.75	1.80	2	Room 19, Level E, Fill
282424	14.30	1.45	Broken	Room 22, Floor

ANIMAL EFFIGIES

Effigies of quadrupeds, three fragmentary, legs, body, ears, muzzle and tail represented, (4), (3-61), (1-62).

No.	L.	W.	Th.	Material	Occurrence
282253	3.4	1.53	1.53	Pottery	Room 19, Level E, Fill

MINIATURE LADLES

Bowl portion roughly circular, deep; handles rod-like, tapering from end attached to bowl towards tip, (7), (3-61), (4-62).

No.	L.	Diameter Handle	Diameter Bowl	Material	Occurrence
282112	2.5+	1.0		Pottery	Room 19, Trench
282121	5.2+	1.5		Pottery	Room 18, Fill

MINIATURE LADLES (Continued)

No.	L.	Diameter Handle	Bowl	Material	Occurrence
282129	3.8+	1.5		Pottery	Room 18, Fill
282130	2.9	1.0	2.5	Pottery	Room 18, Fill

FOOT EFFIGIES

Two crude pottery feet, one with cylindrical leg painted black on white, the other of plain ware is oval and incised with eight lines representing claws or toes, (2), (2-62).

No.	L.	W.	Th.	Material	Occurrence
282252	4.3	2.05	1.20	Indeterminate B/W	Great Kiva, S.W. Quad.
282316	3.00	2.62	1.43	Plain ware	Great Kiva, N.E. Quad.

WORKED SHERDS

Pottery discs with edges ground smooth (63), (53-61), (10-62).

No.	Diam.	Th.	Material	Occurrence
282309	4.46	0.64	Indented Corrugated	Great Kiva, S.W. Quad.,Fill
282413	6.10	0.60	McDonald Plain Corr.	Room 18, Level D-1, Fill
282422	2.40	0.50	McDonald Ind. Corr.	Room 23, Trench, N. Wall
282431	3.90	0.61	Brown Ind. Corr.	Room 22, Floor 1, Firepit
282204	4.59	0.45	Show Low B/R	Room 19, Upper Fill
282432	5.00	0.54	Snowflake B/W	Room 23, Fill
282433	4.00	0.60	Show Low B/R	Room 23, Fill
282434	2.70	0.46	Snowflake B/W	Trench J, Sq. 1, Level B-1

WORKED SHERDS (Continued)

No.	Diam.	Th.	Material	Occurrence
282170	4.15	0.64	Indented Corrugated	Great Kiva, N.W. Quad., Trench
282228	6.28	0.42	Indeterminate	Room 18, Ashy Level

"Spindle whorls" Pottery discs, edges rubbed smooth, hole through center (14), (8-61), (6-62).

282412	4.70	0.64	Patterned Corrugated	Room 23, Trench
282091	5.80	0.53	Indeterminate B/W	Room 19, E. wall, Trench
282213	2.45	0.53	Snowflake B/W	Room 18, Ashy Fill
282089	2.51	0.56	St. Johns B/R	Room 19, Upper Fill
282215	6.30	0.51	Brown Ind. Corr.	Room 18, Ashy Fill
282214	2.79+	0.53	McDonald Corrugated	Room 18, Ashy Fill

Half-discs: semi-circular fragments with edges rubbed smooth, discs broken in half (20), (10-61), (10-62).

282436	4.20	0.53	Indeterminate B/W	Room 22, Level C, Fill
282441	5.96	0.61	Snowflake B/W	Room 22, Pit #2
282442	4.68	0.56	Indeterminate B/W	Trench J, Sq. 1, Test trench
282443	4.12	0.75	Brown Plain Corr.	Trench J, Sq. 1, Test trench
282249	3.33	0.52	Woodruff Smudged	Room 18, Ashy Fill
282208	4.60	0.66	Indeterminate B/W	Room 18, Level E, Fill
282226	3.30	0.52	Woodruff Smudged	Room 18, Ashy Fill
282374	4.50	0.50	Snowflake B/W	Room 18, Level A, Fill
282375	5.00	0.82	Brown Ind. Corr.	Room 18, Level D-1, Fill
282392	5.17	0.63	Snowflake B/W	Great Kiva, N.W. Quad., Fill

WORKED SHERDS (Continued)

Notched ends: worked sherds with one end notched forming teeth and with the other edges rubbed smooth (5), (4-61), (1-62).

No.	L.	W.	Th.	Material	Occurrence
282421	3.32	2.94	0.60	Indeterminate B/W	Room 19, Floor

Spoons: roughly oval forms with edges rubbed smooth, generally more deeply concave than disc-shaped sherds, many show wear on convex side of broad end (31), (28-61), (3-62).

282093	10.50	8.00	0.51	Indeterminate B/W	Room 19, Upper Fill
282270	7.06	5.91	0.40	Snowflake B/W	Room 19, Level E, Fill
282371	9.31	5.46	0.41	Snowflake B/W	Room 19, Level E, Fill

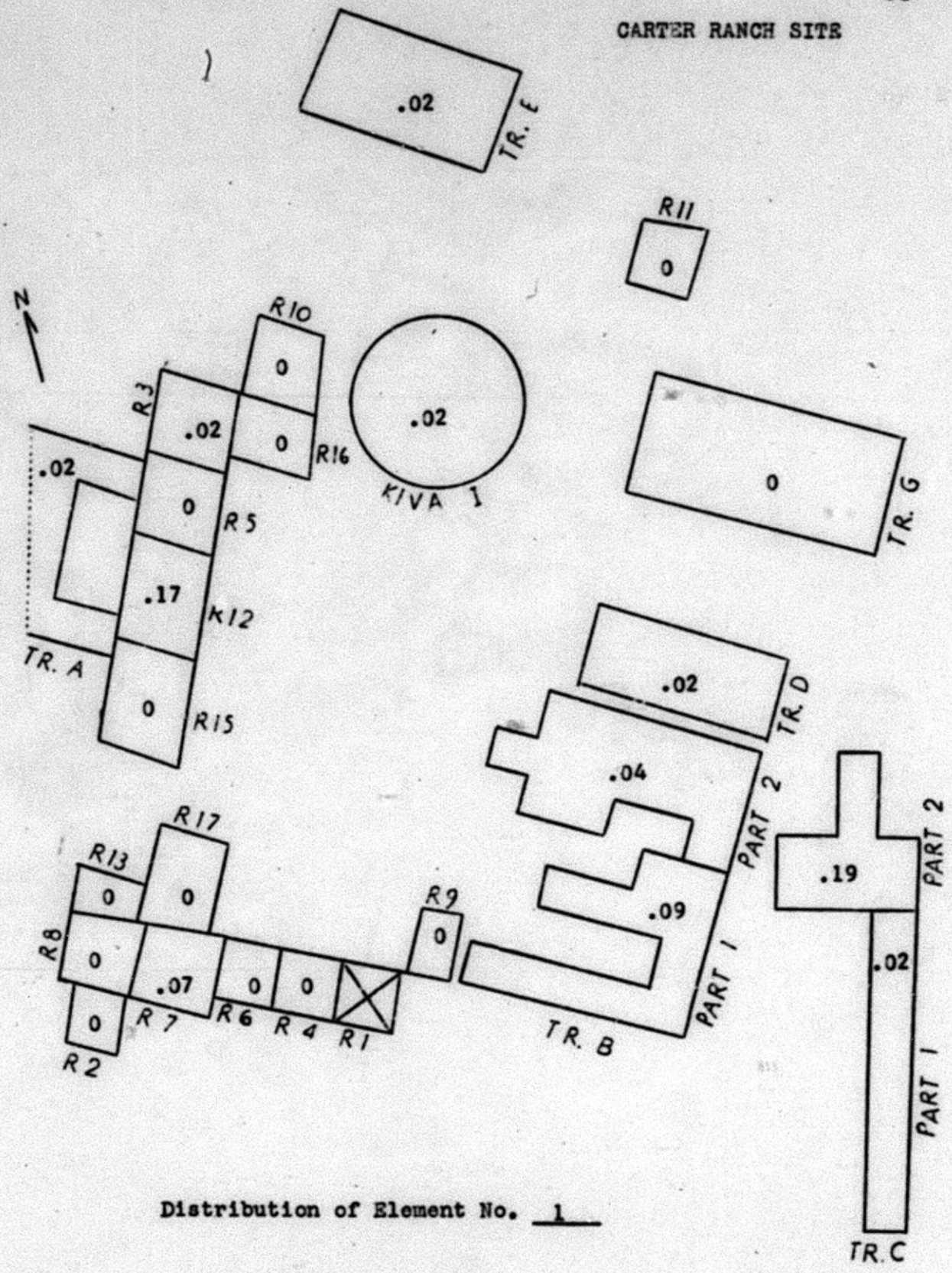
Worked sherd fragments with one worked edge usually curved.

282172	4.84	3.23	0.47	Snowflake B/W	Plaza, W. Wall, Trench
282171	2.75	2.10	0.45	Snowflake B/W	Plaza, Trench H
282227	3.71	2.38	0.26	Indeterminate B/W	Room 18, Ashy Fill
282351	3.72	2.09	0.47	Snowflake B/W	Room 18, Level E, Fill
282401	4.92	3.90	0.59	Snowflake B/W	Room 19, Level E, Fill
282402	4.57	3.55	0.57	Snowflake B/W	Room 19, Level E, Fill
282435	3.43	2.48	0.62	Snowflake B/W	Trench J, Sq. 1, Level B-1
282439	2.70	1.92	0.64	Brown Plain Corr.	Room 23, Fill
282440	4.38	3.31	0.78	Brown Plain Corr.	Room 23, Level A, Fill
282104	8.40	6.72	0.63	Sharp edge Brown Ind. Corr.	Room 18, Floor, N. Wall

PIGMENTS

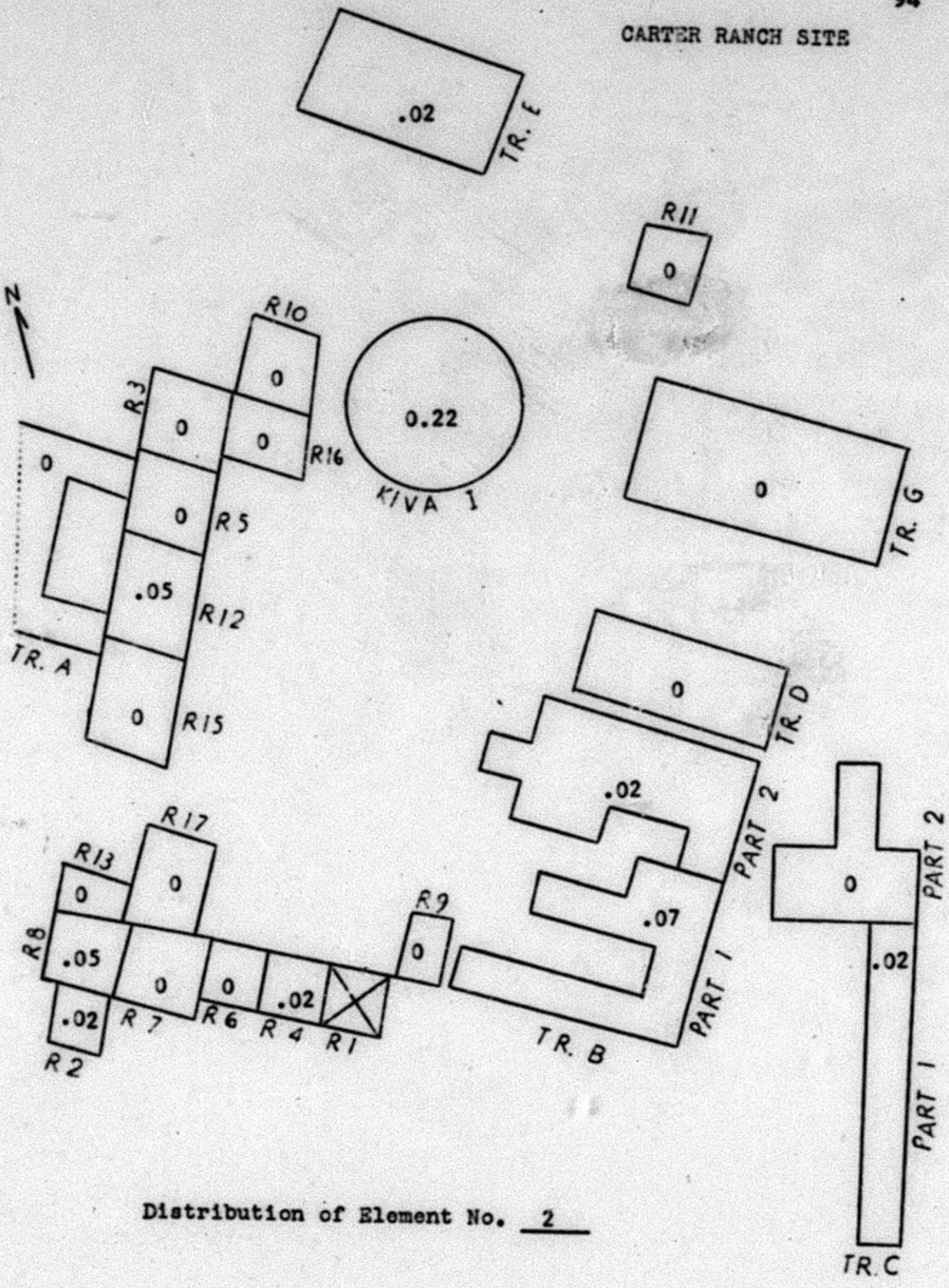
Color	Material		Occurrence
Red	Hematite	1 facet	Great Kiva, N.E. Quadrant, Fill
Red	Hematite	4 facets	Room 21, Sandy Clay, Fill

CARTER RANCH SITE



Distribution of Element No. 1

CARTER RANCH SITE



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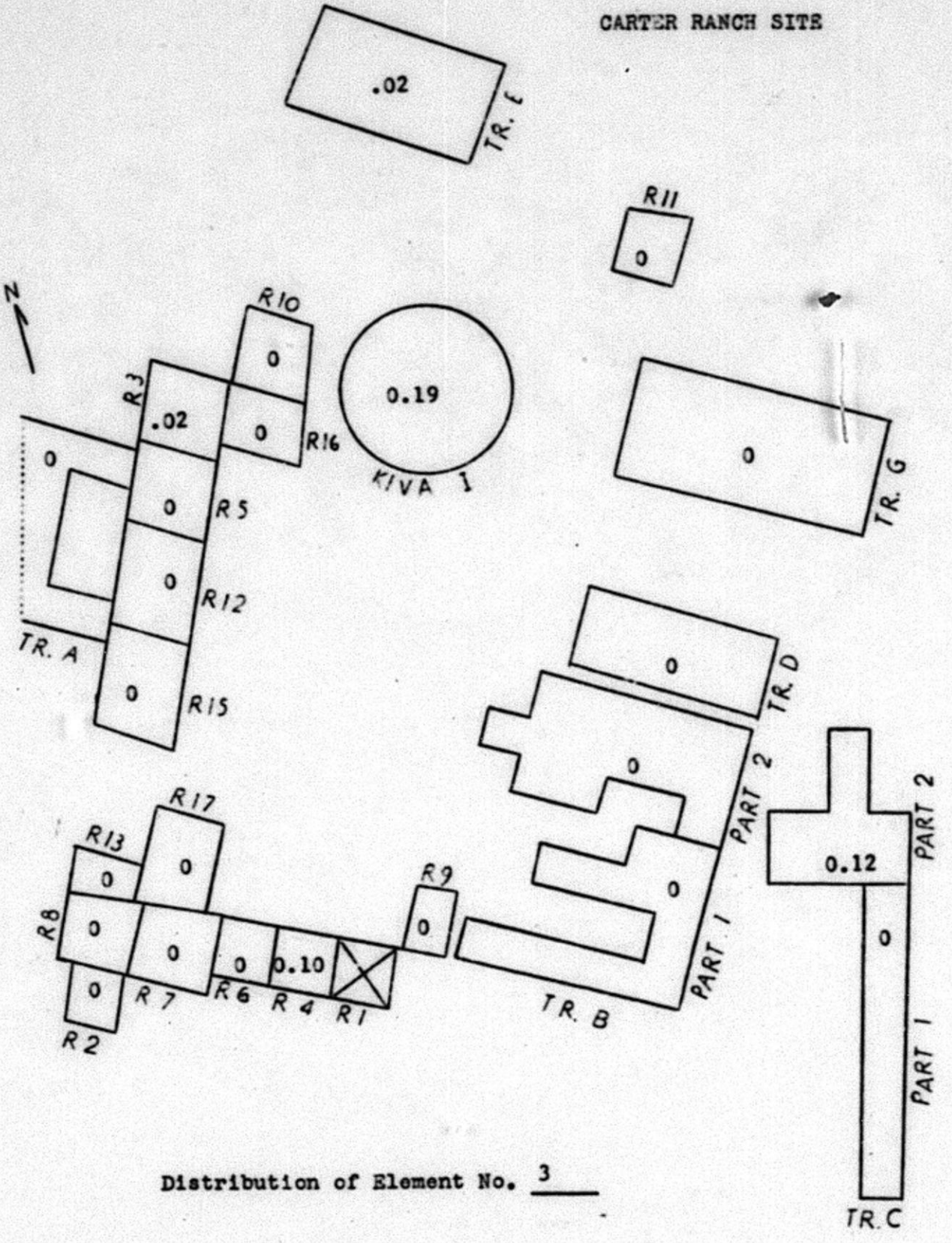

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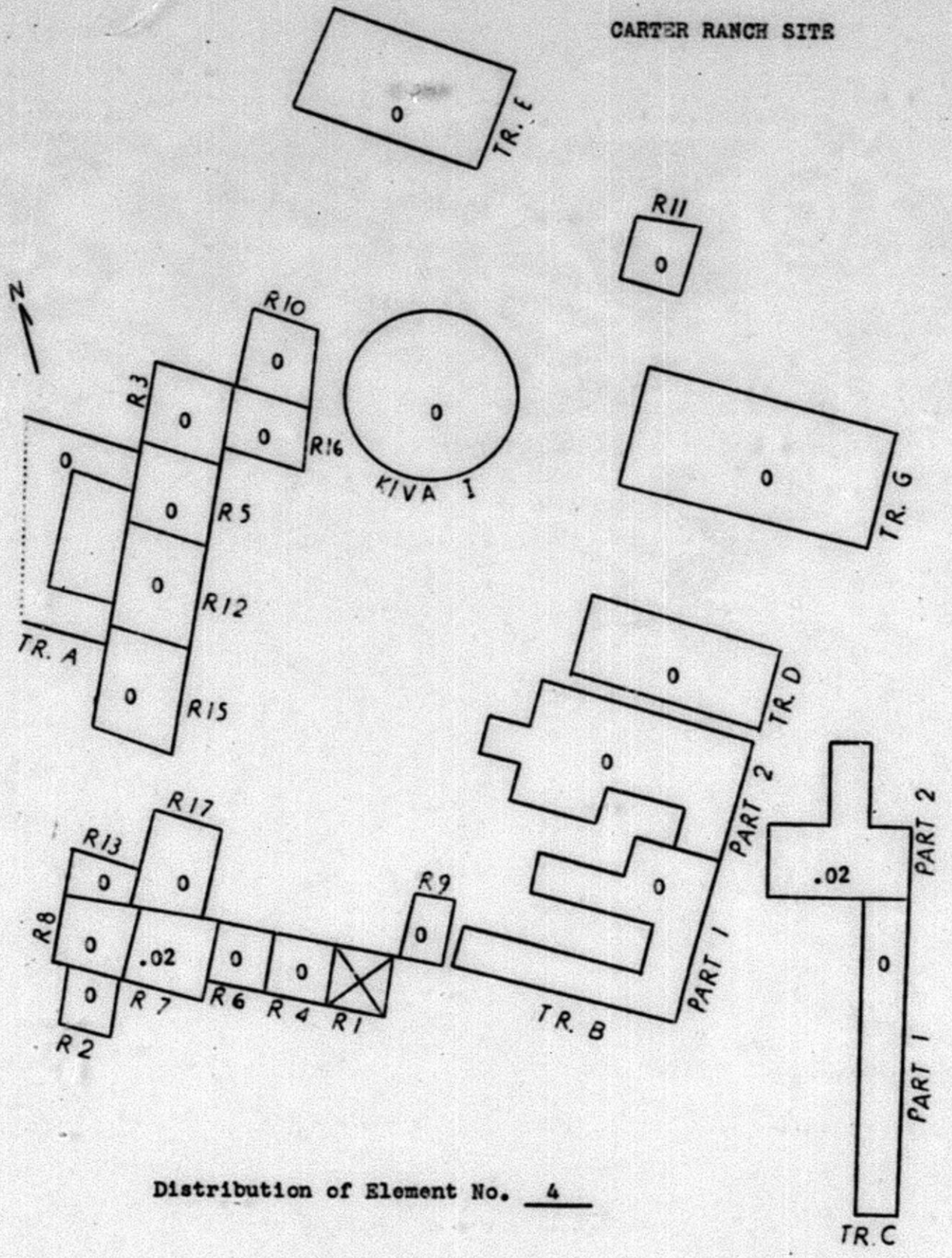

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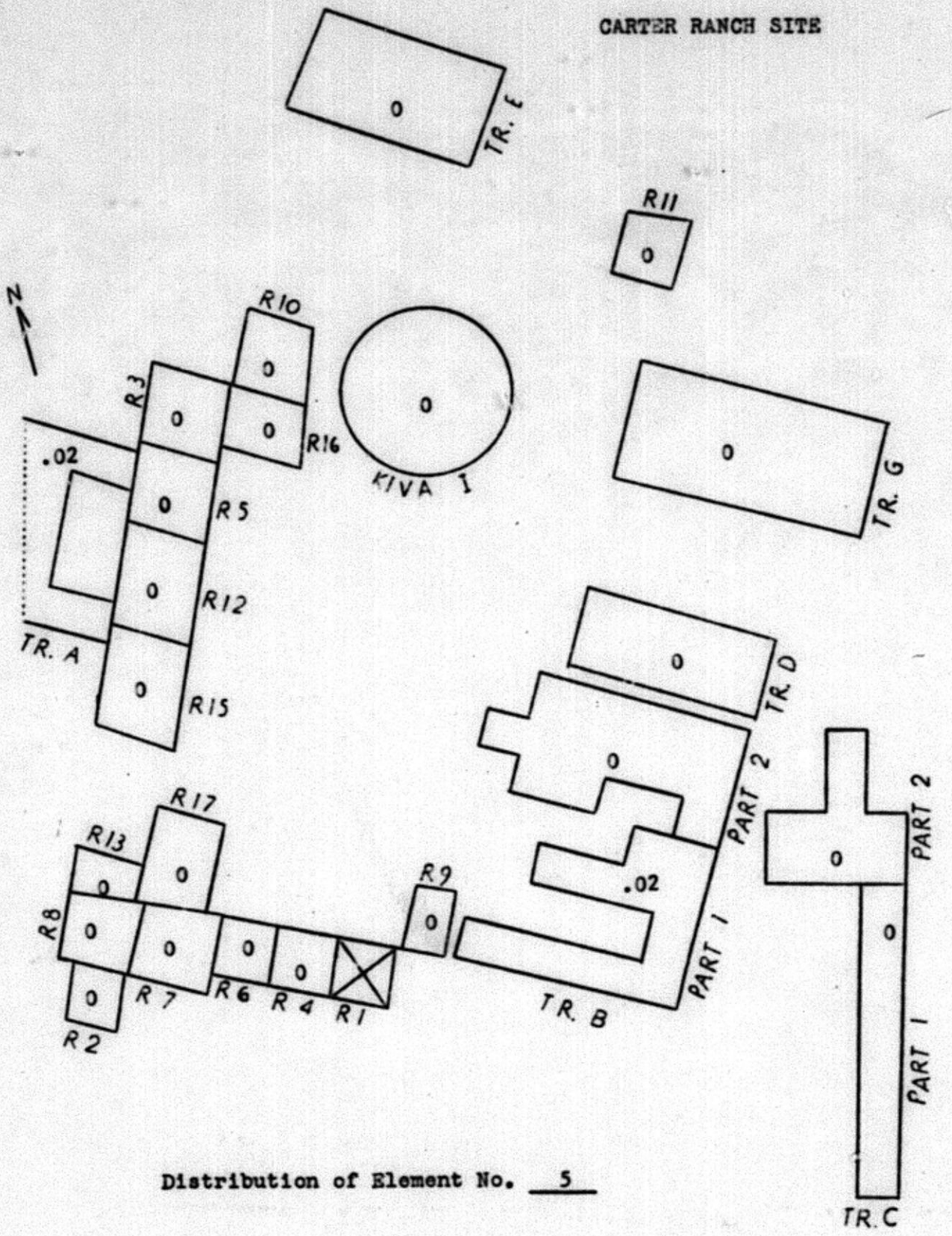

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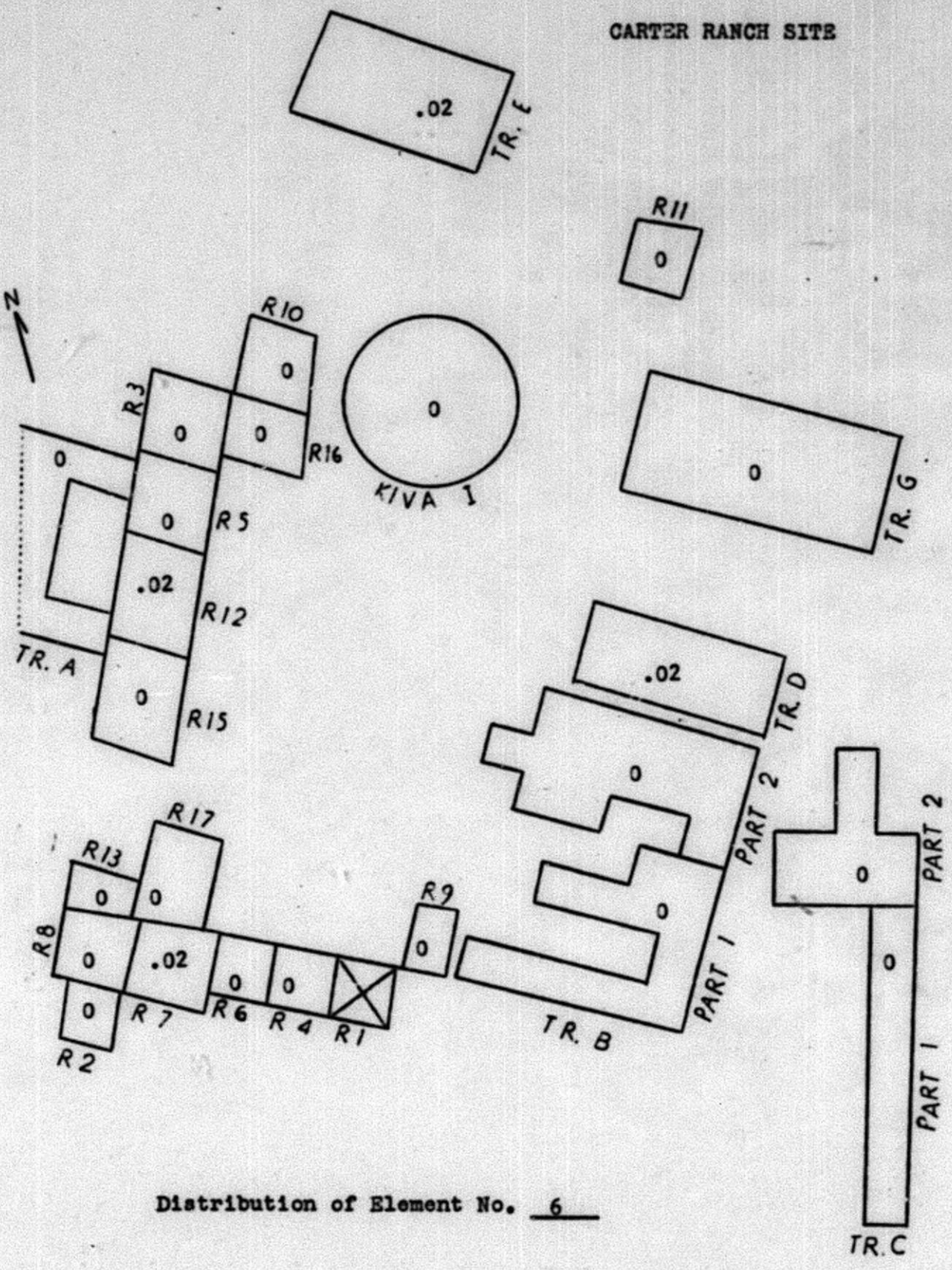

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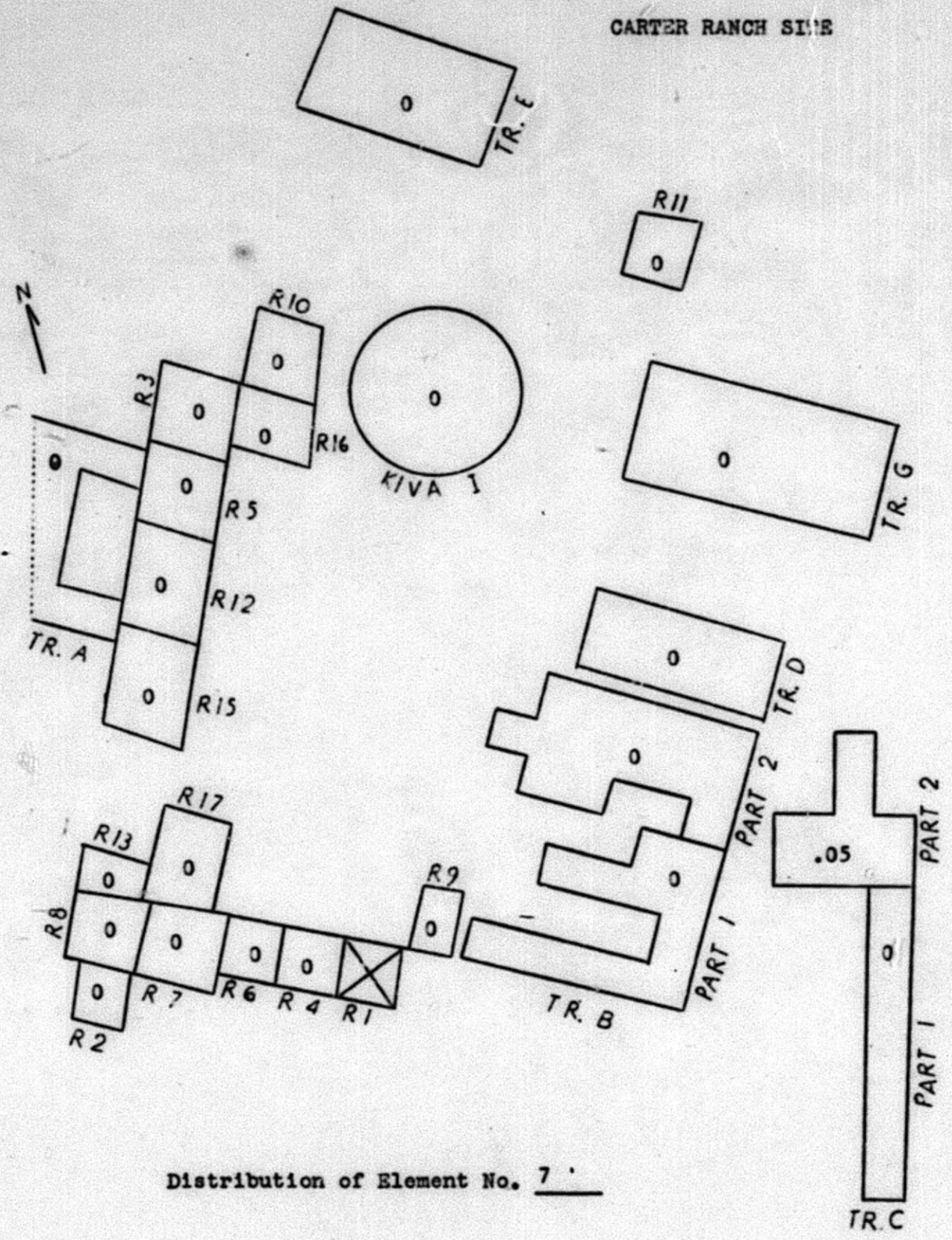

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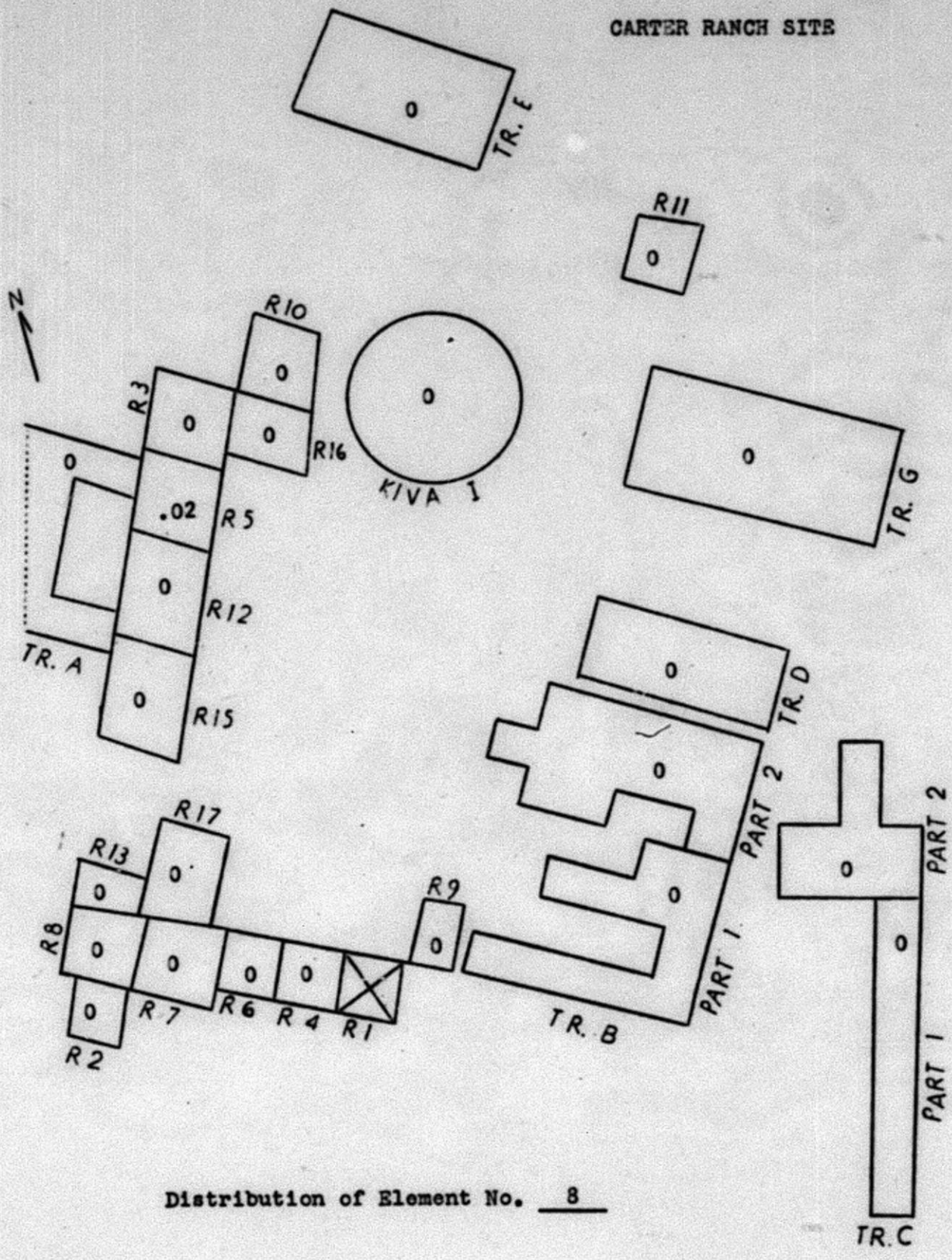

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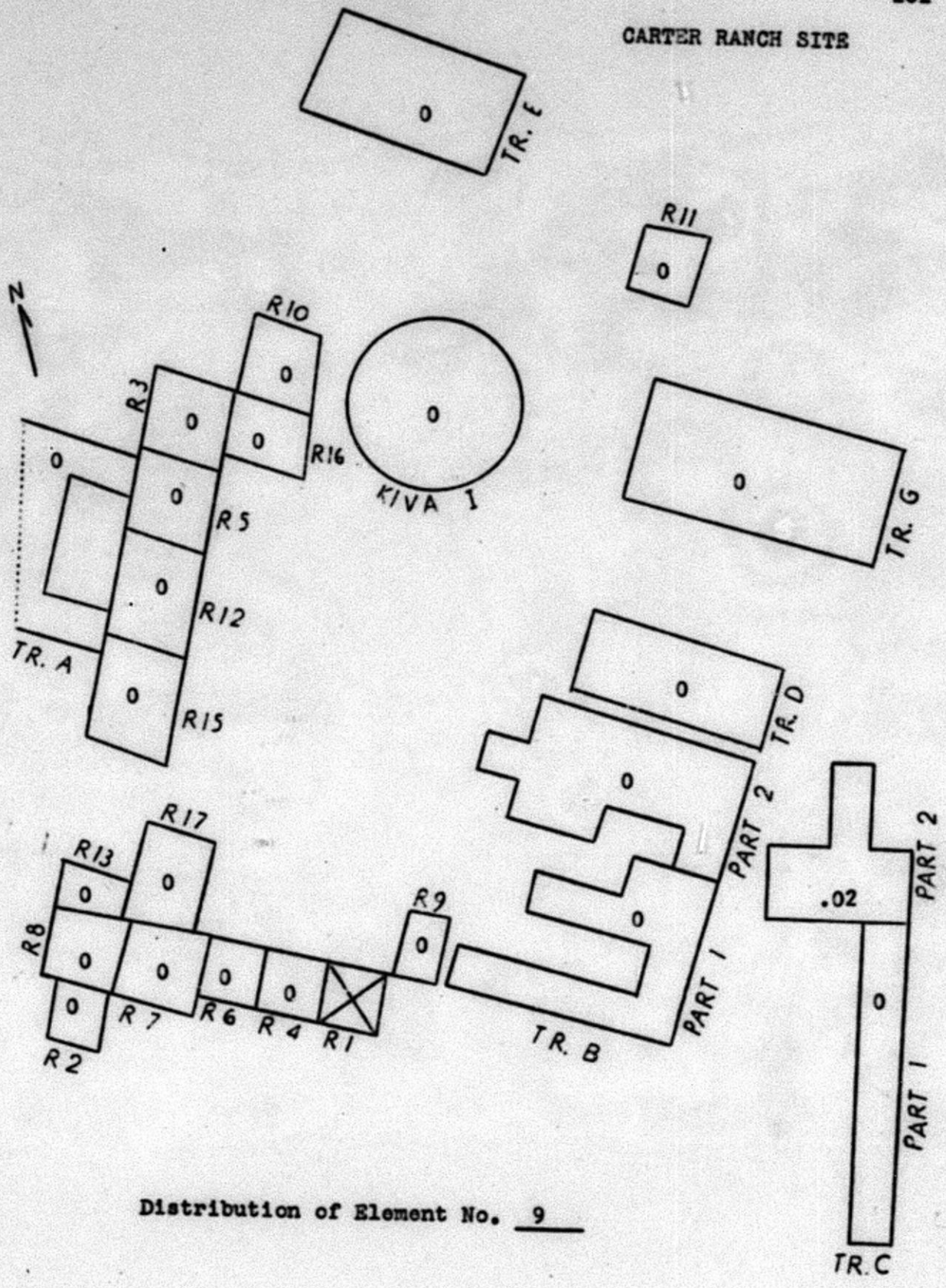

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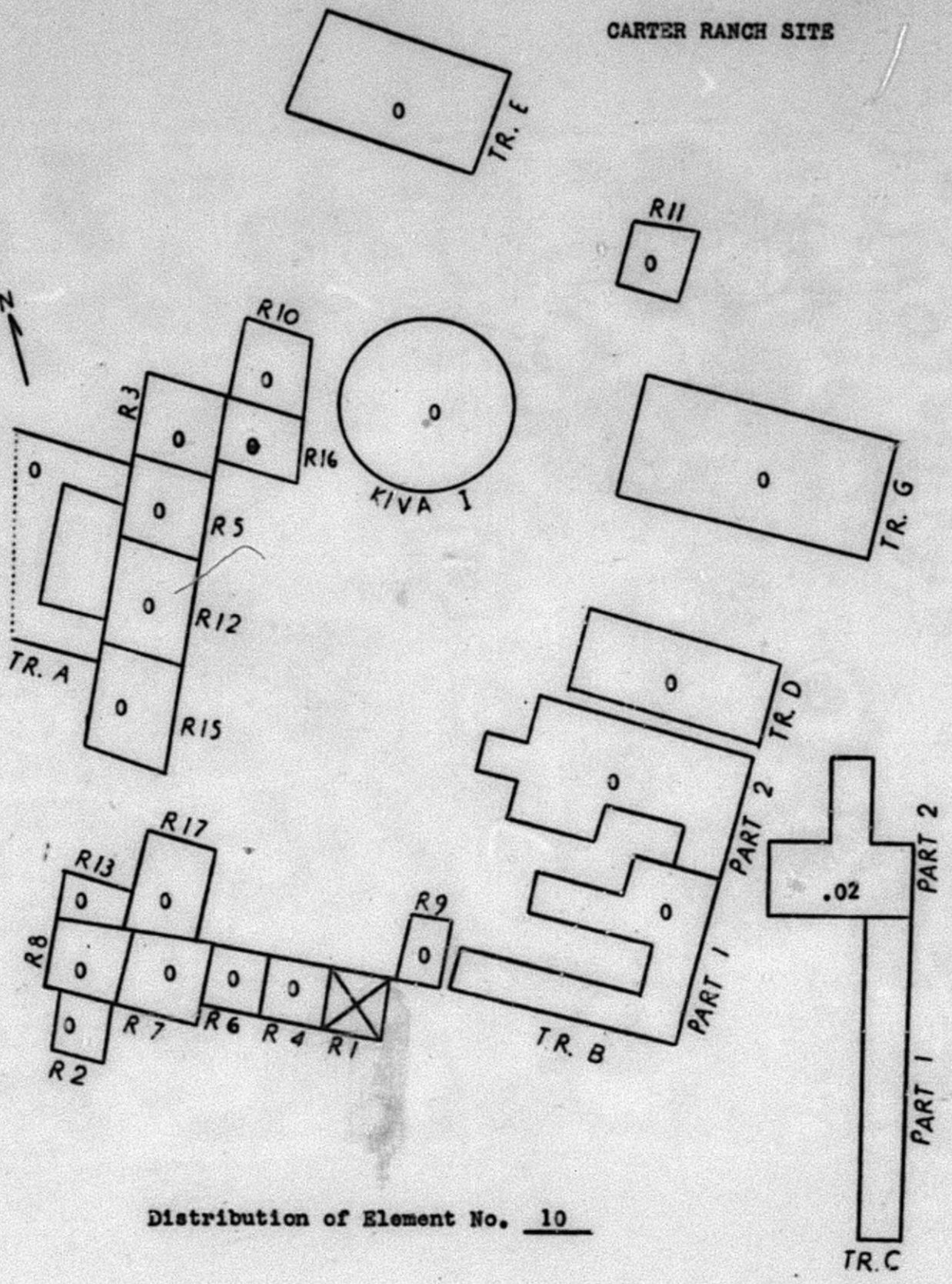

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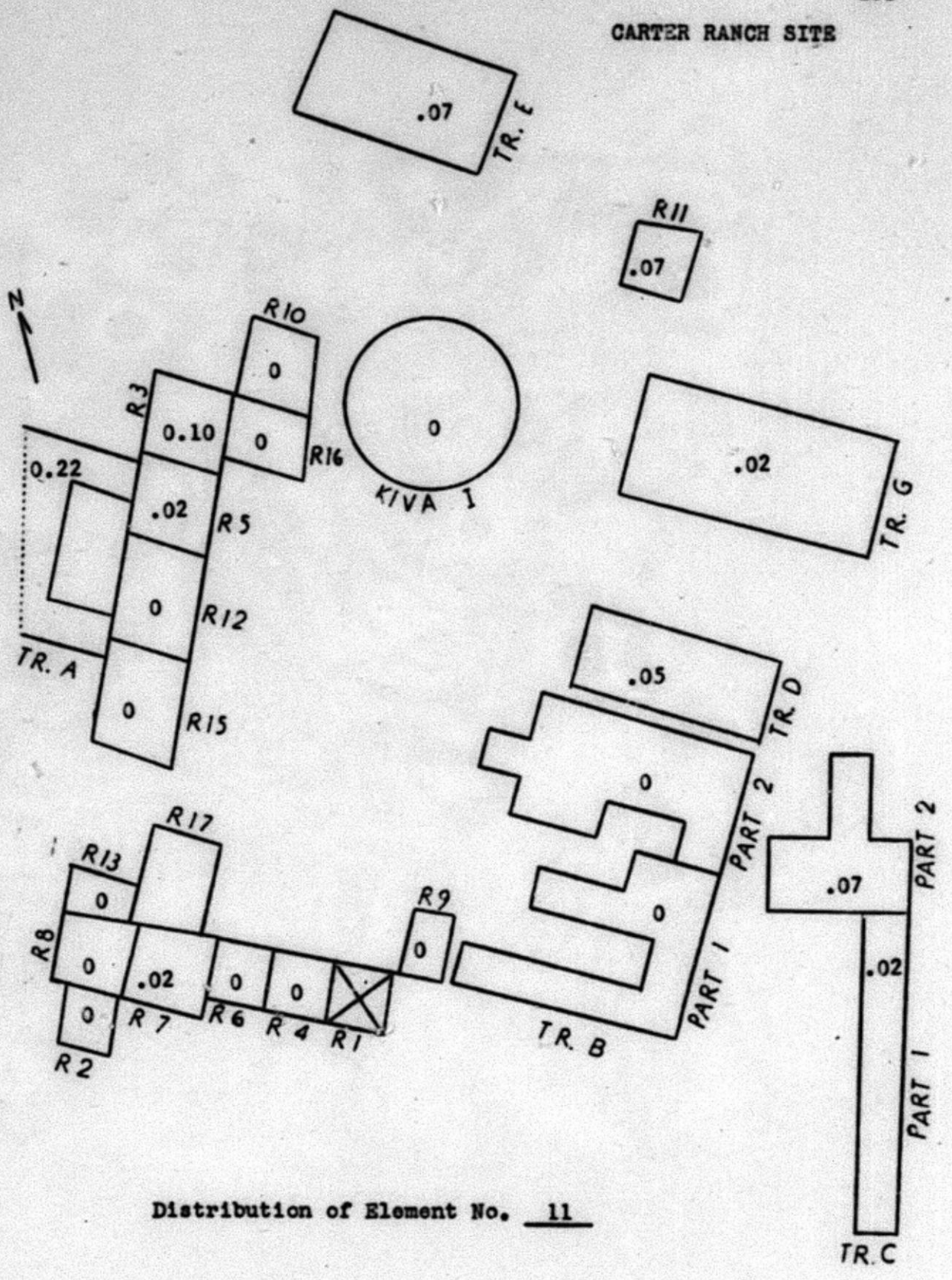

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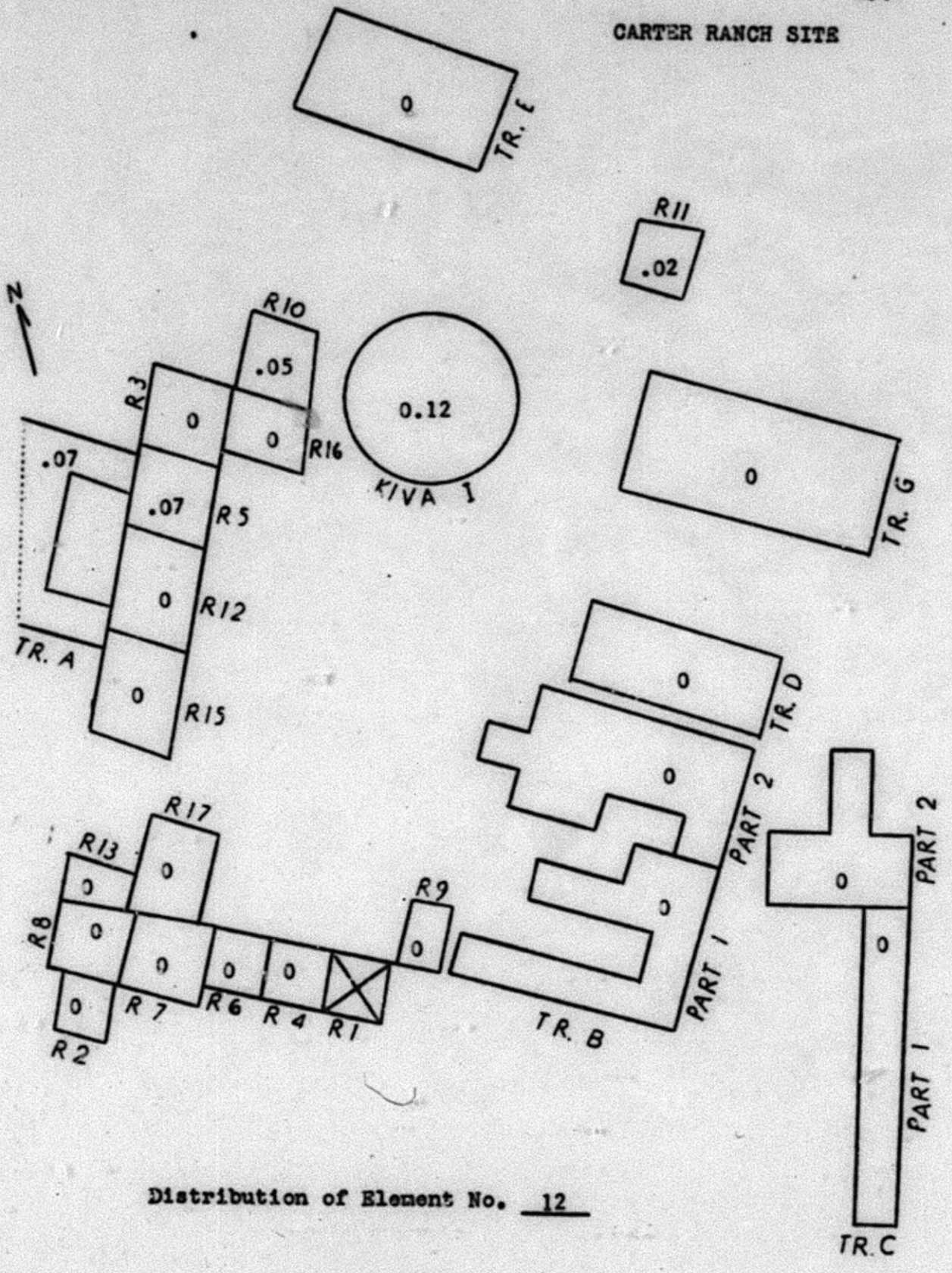

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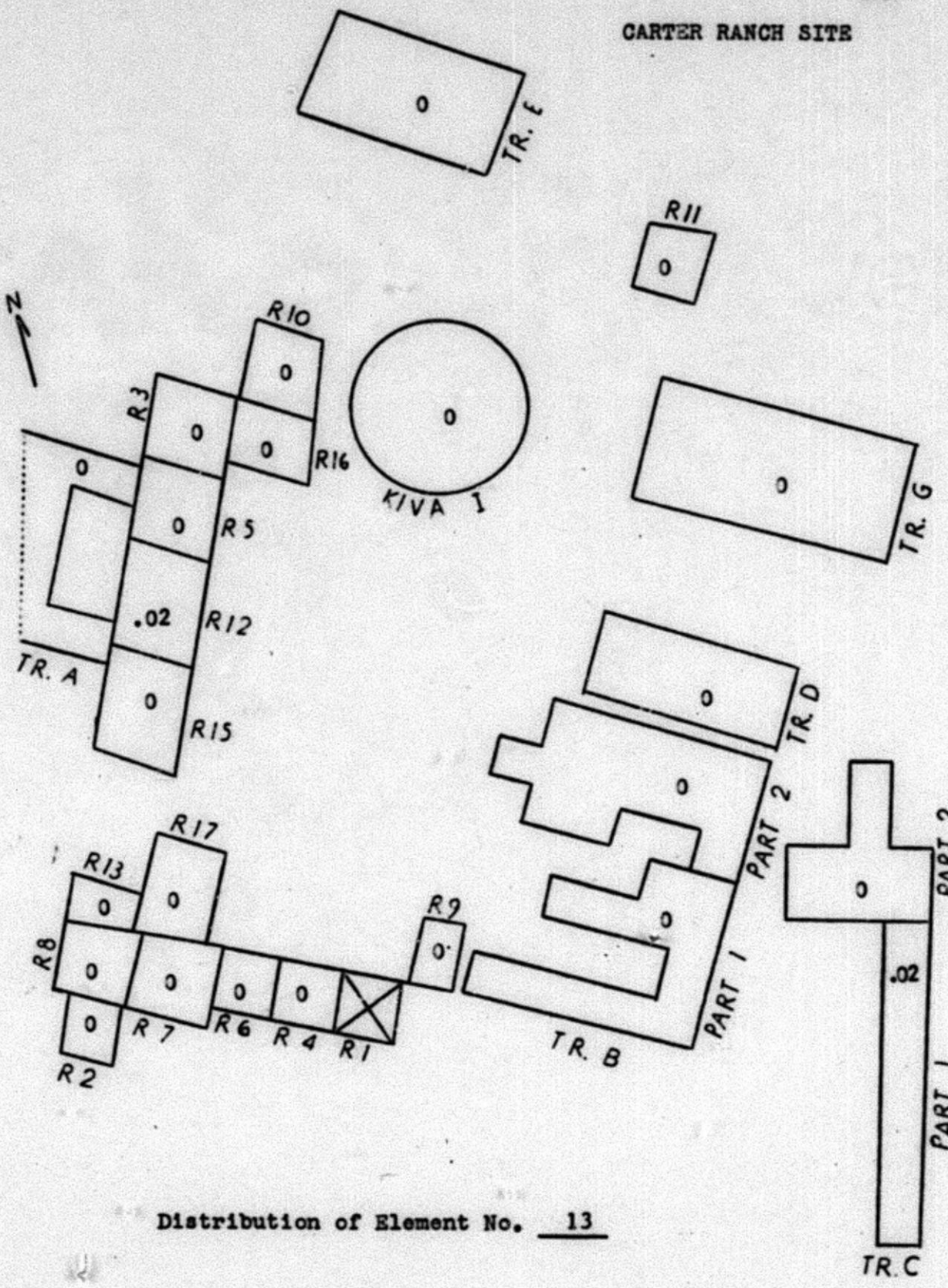

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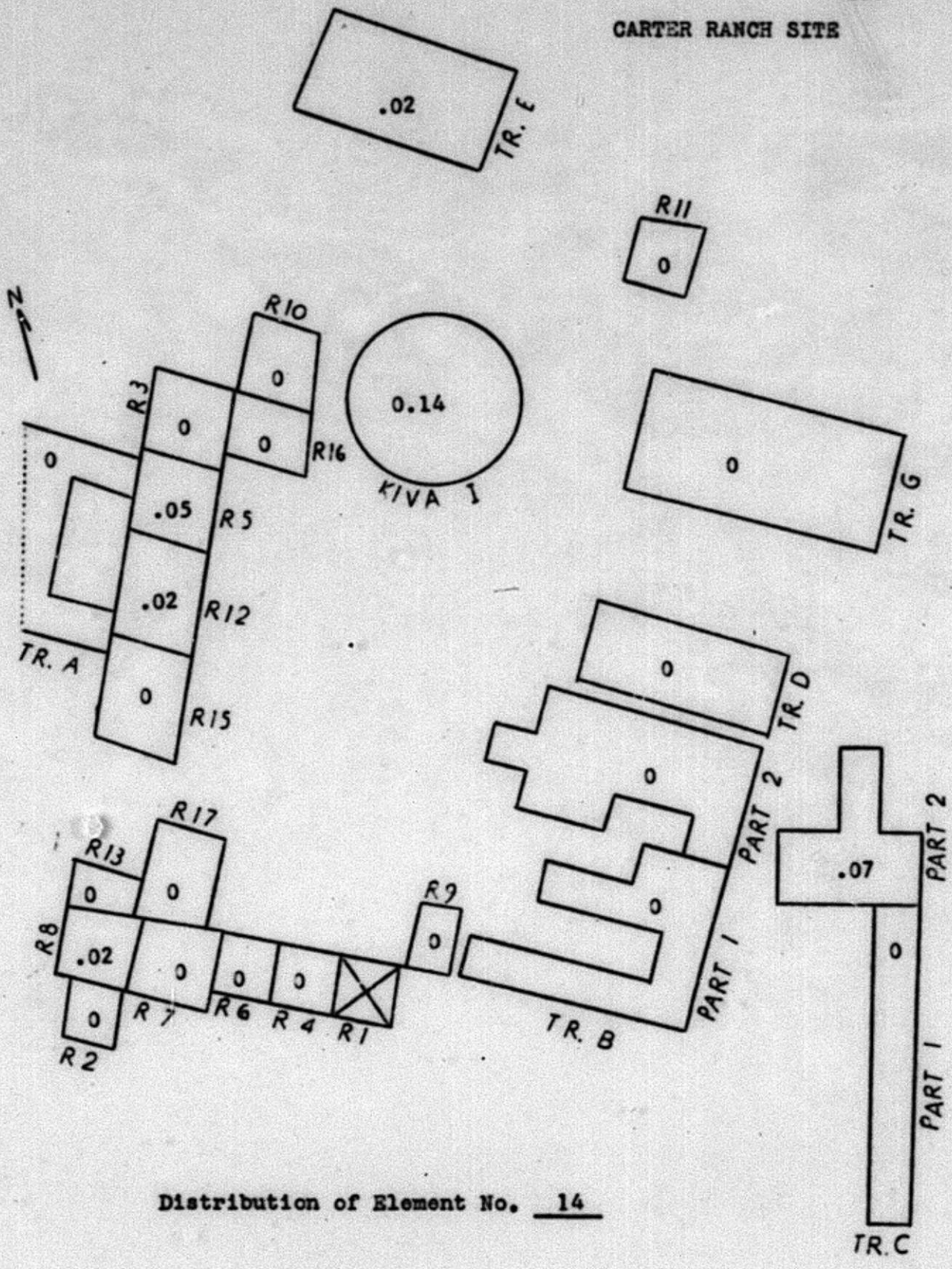

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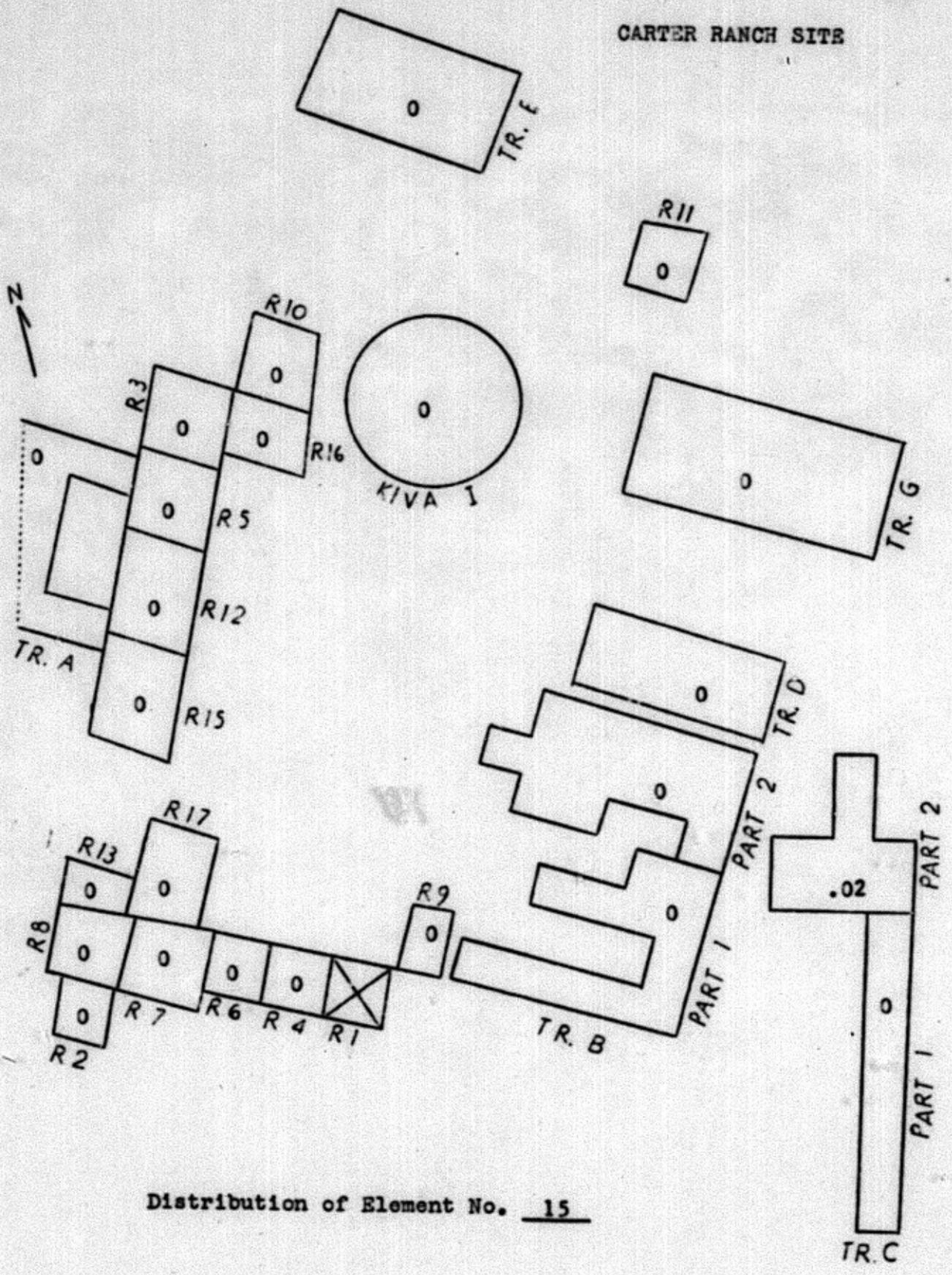
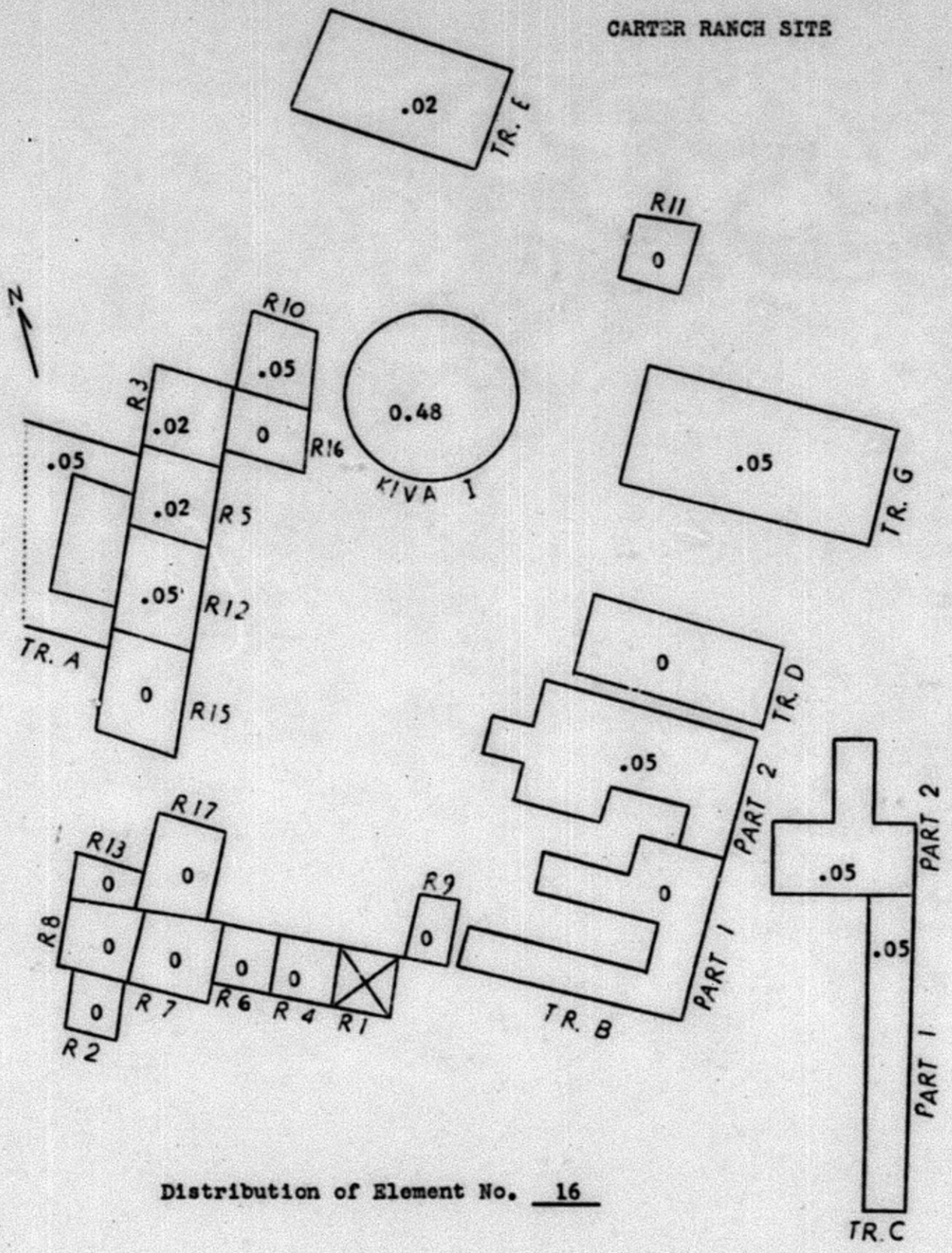


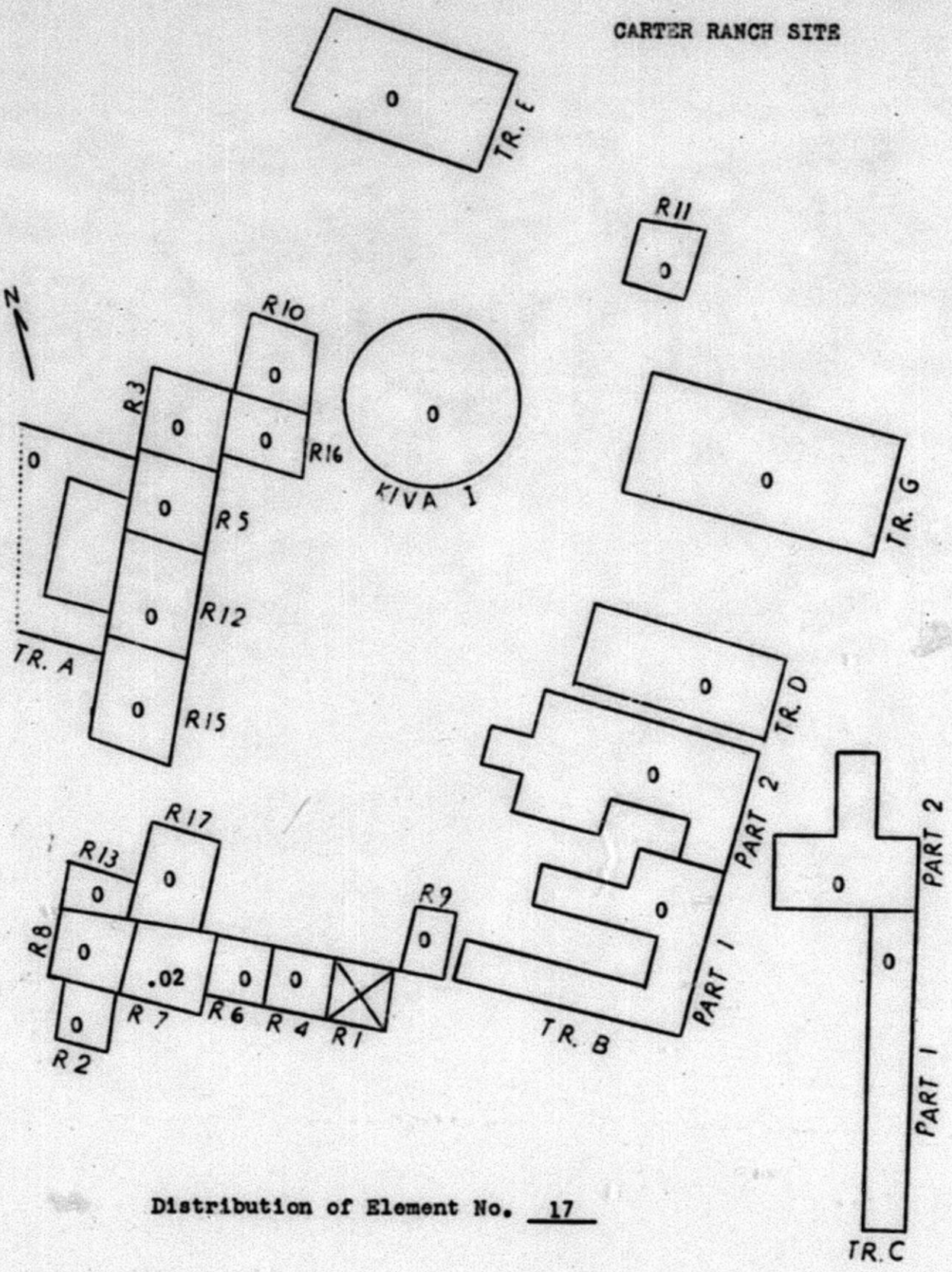
Distribution of Element No. 15

CARTER RANCH SITE



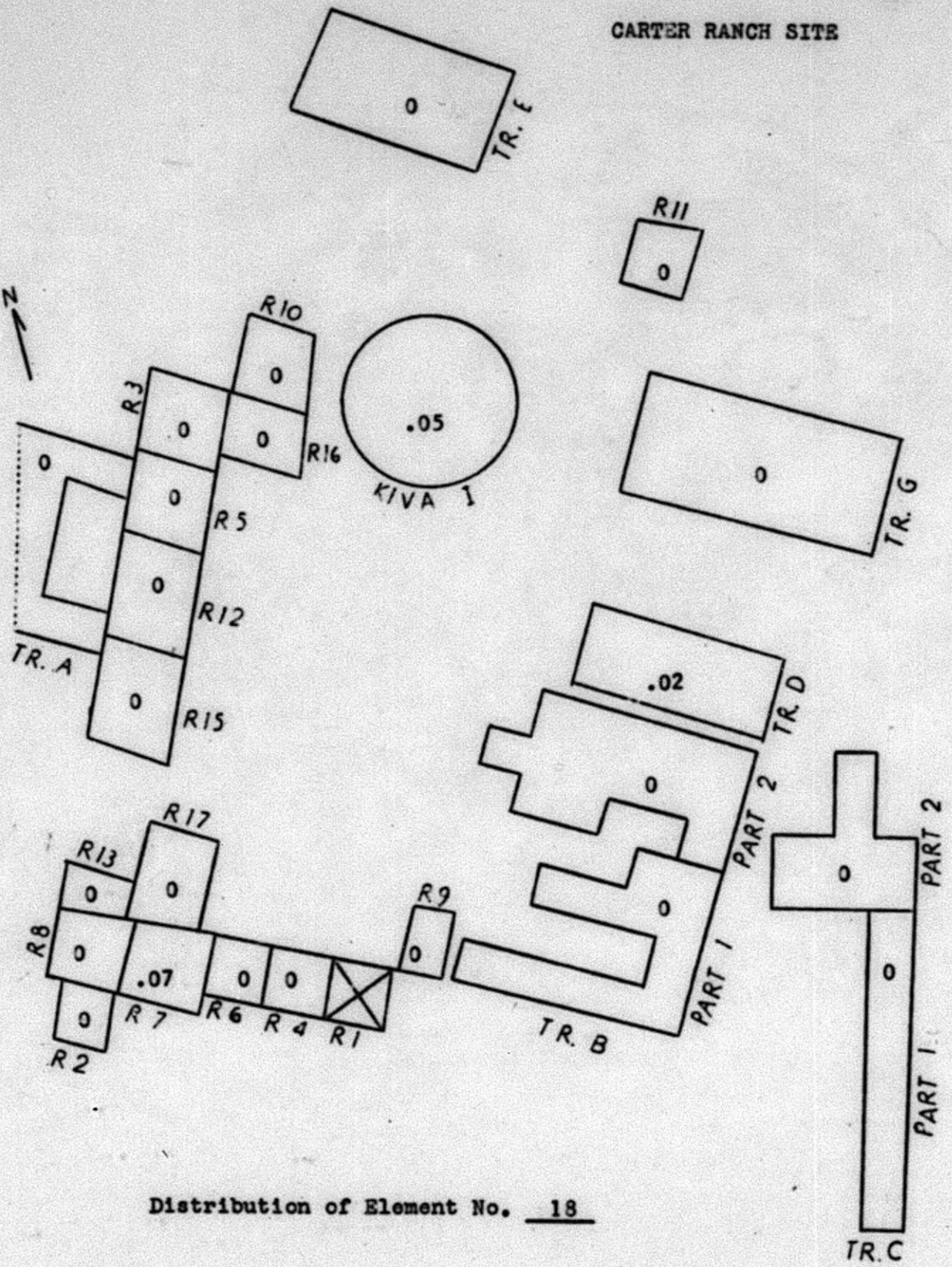
Distribution of Element No. 16

CARTER RANCH SITE



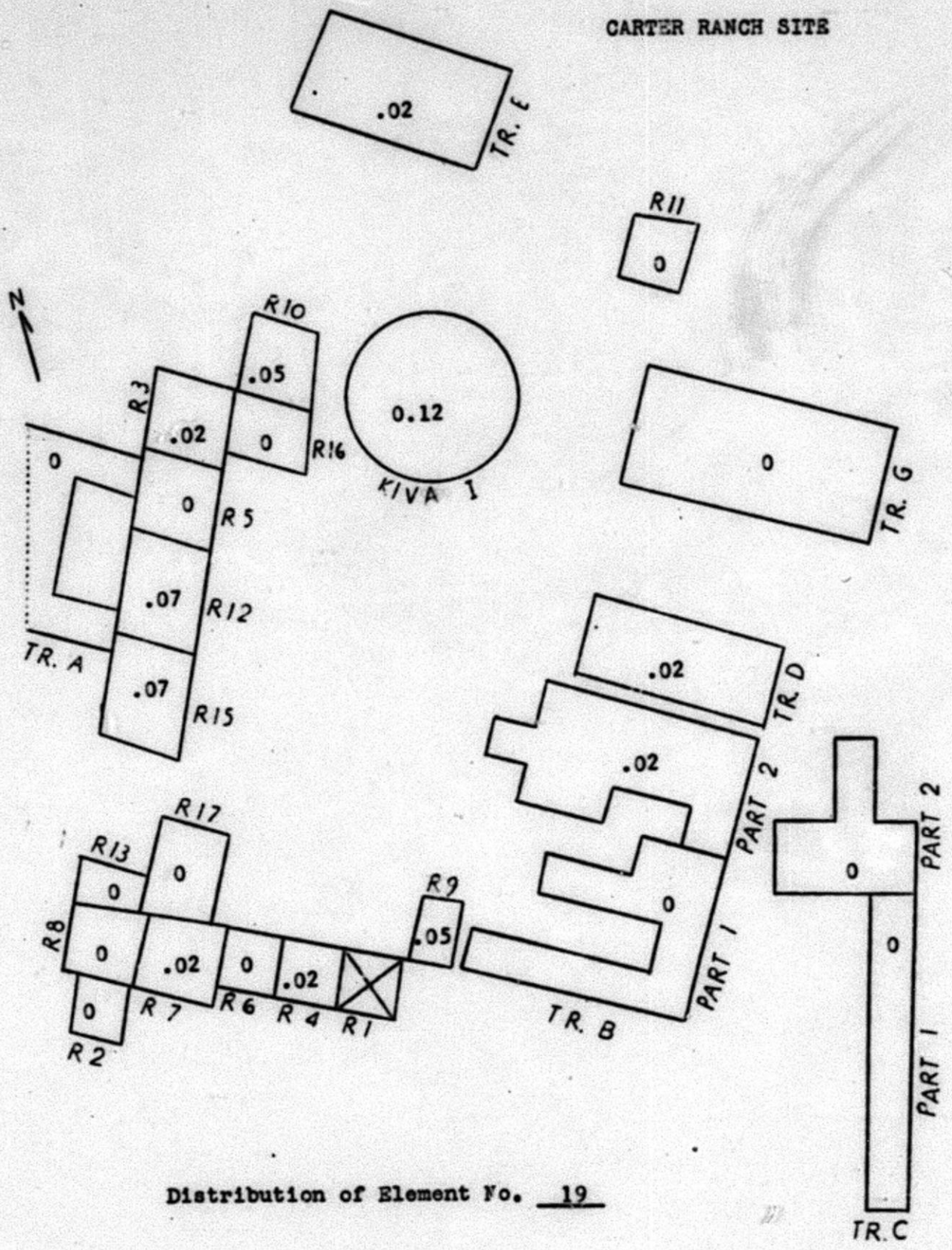
Distribution of Element No. 17

CARTER RANCH SITE



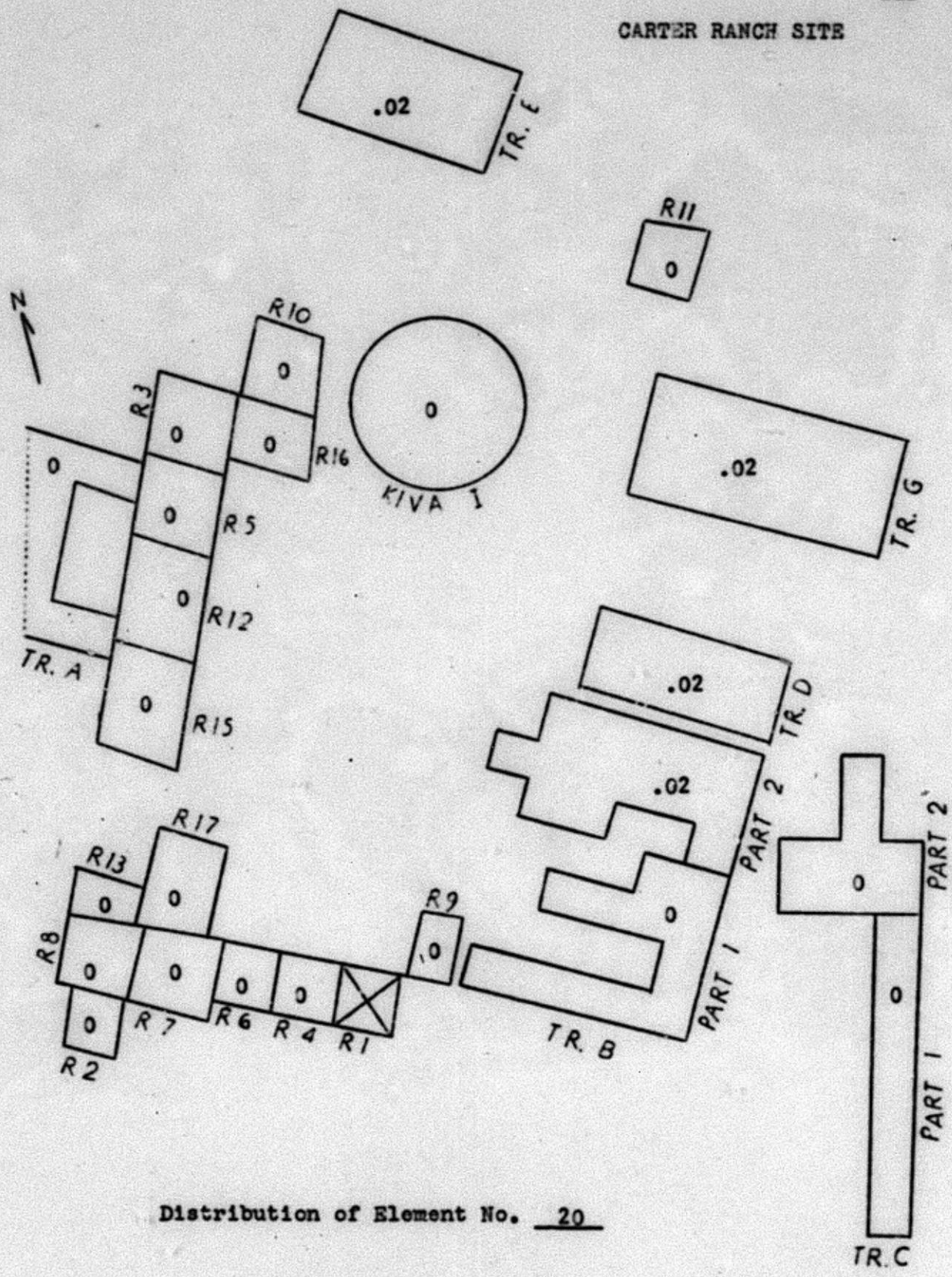
Distribution of Element No. 18

CARTER RANCH SITE



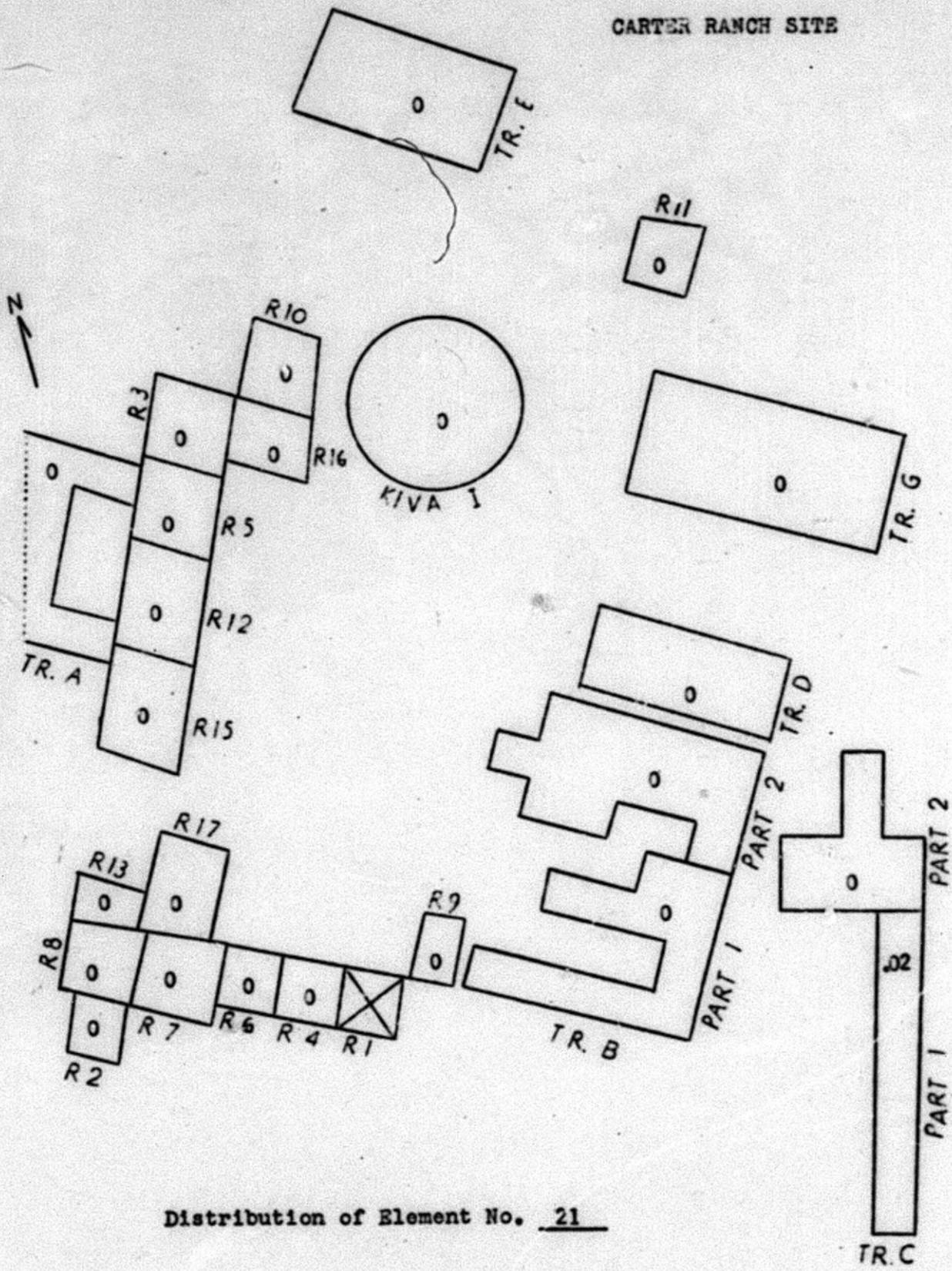
Distribution of Element No. 19

CARTER RANCH SITE



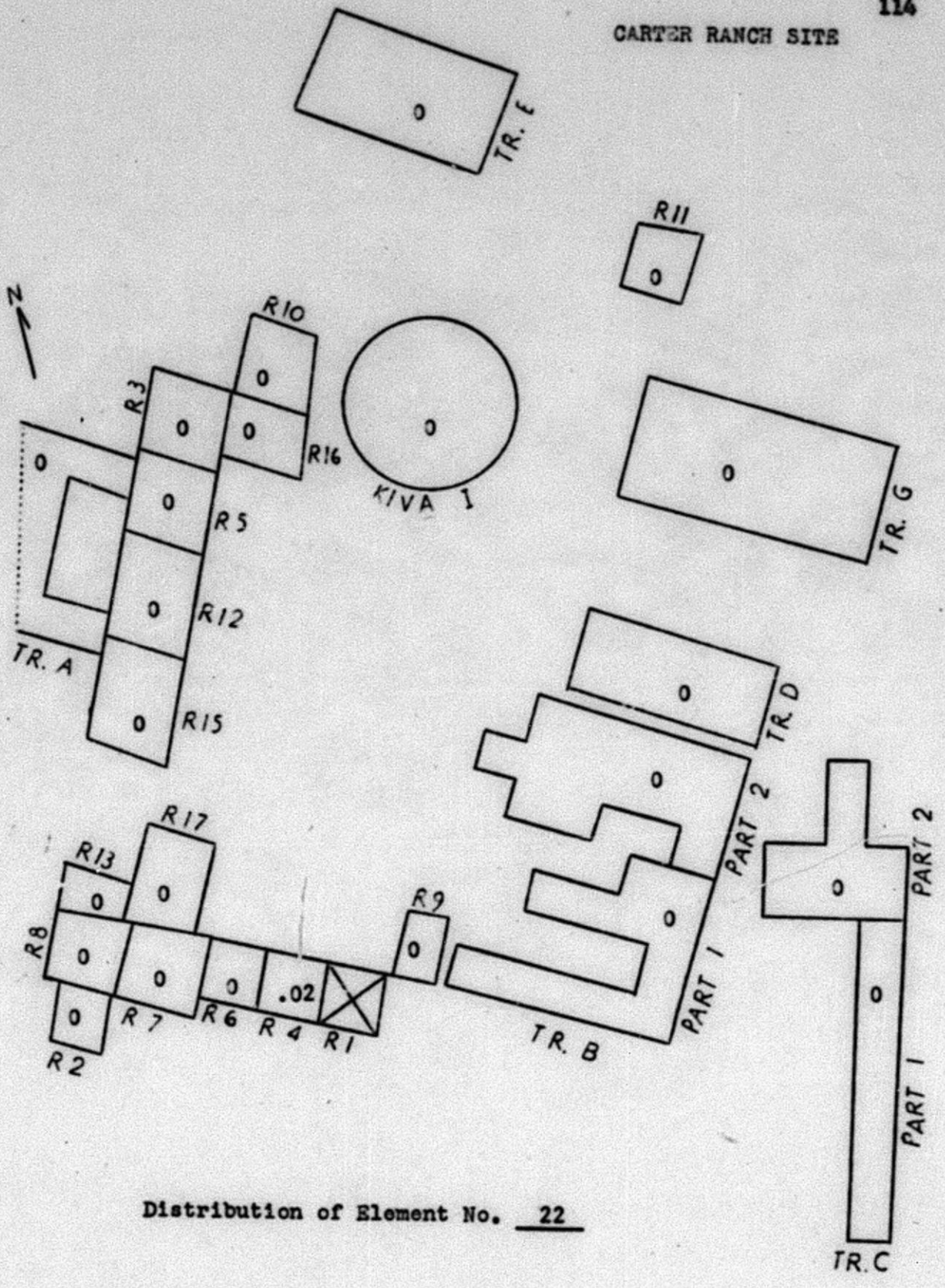
Distribution of Element No. 20

CARTER RANCH SITE



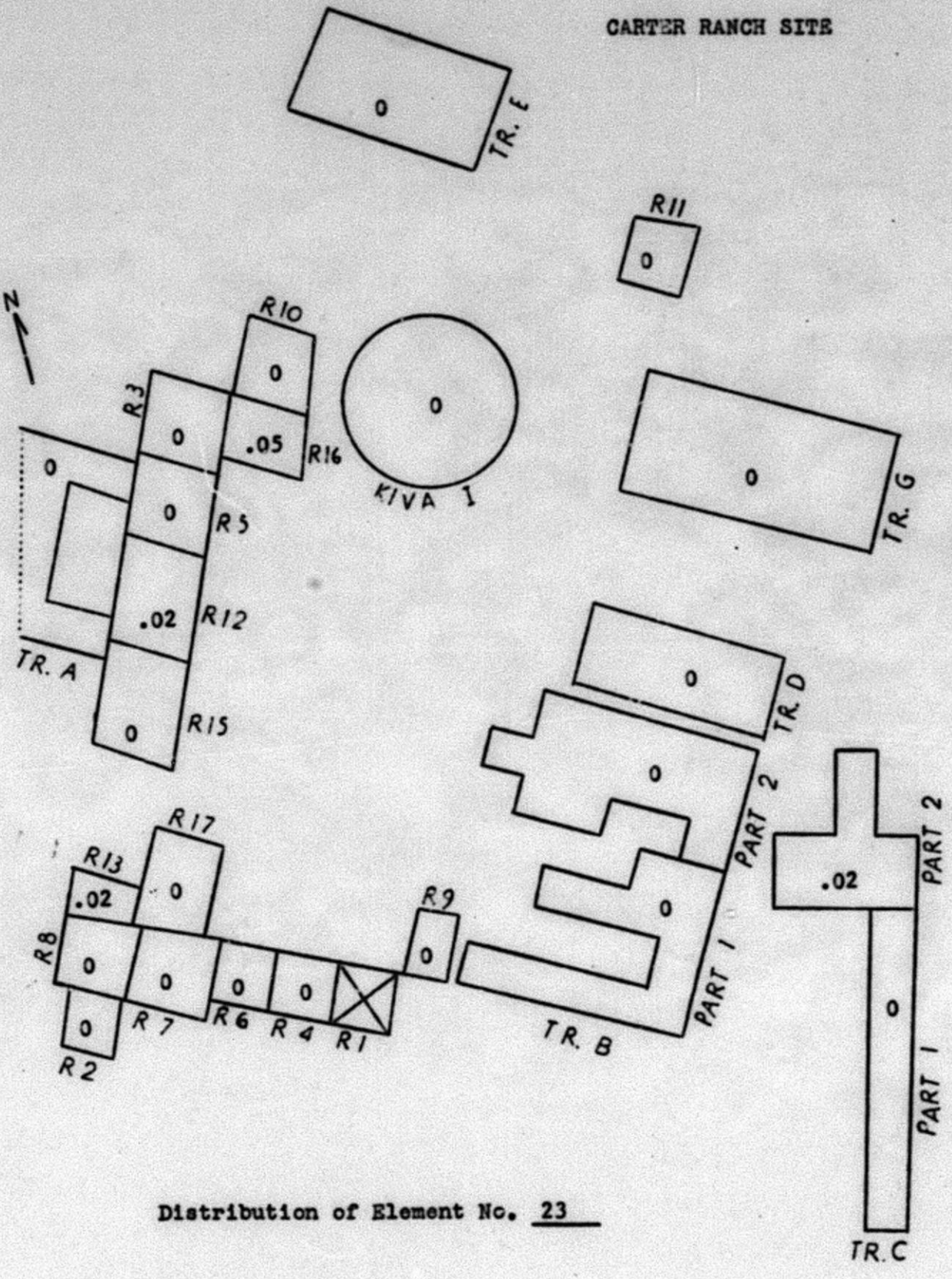
Distribution of Element No. 21

CARTER RANCH SITE



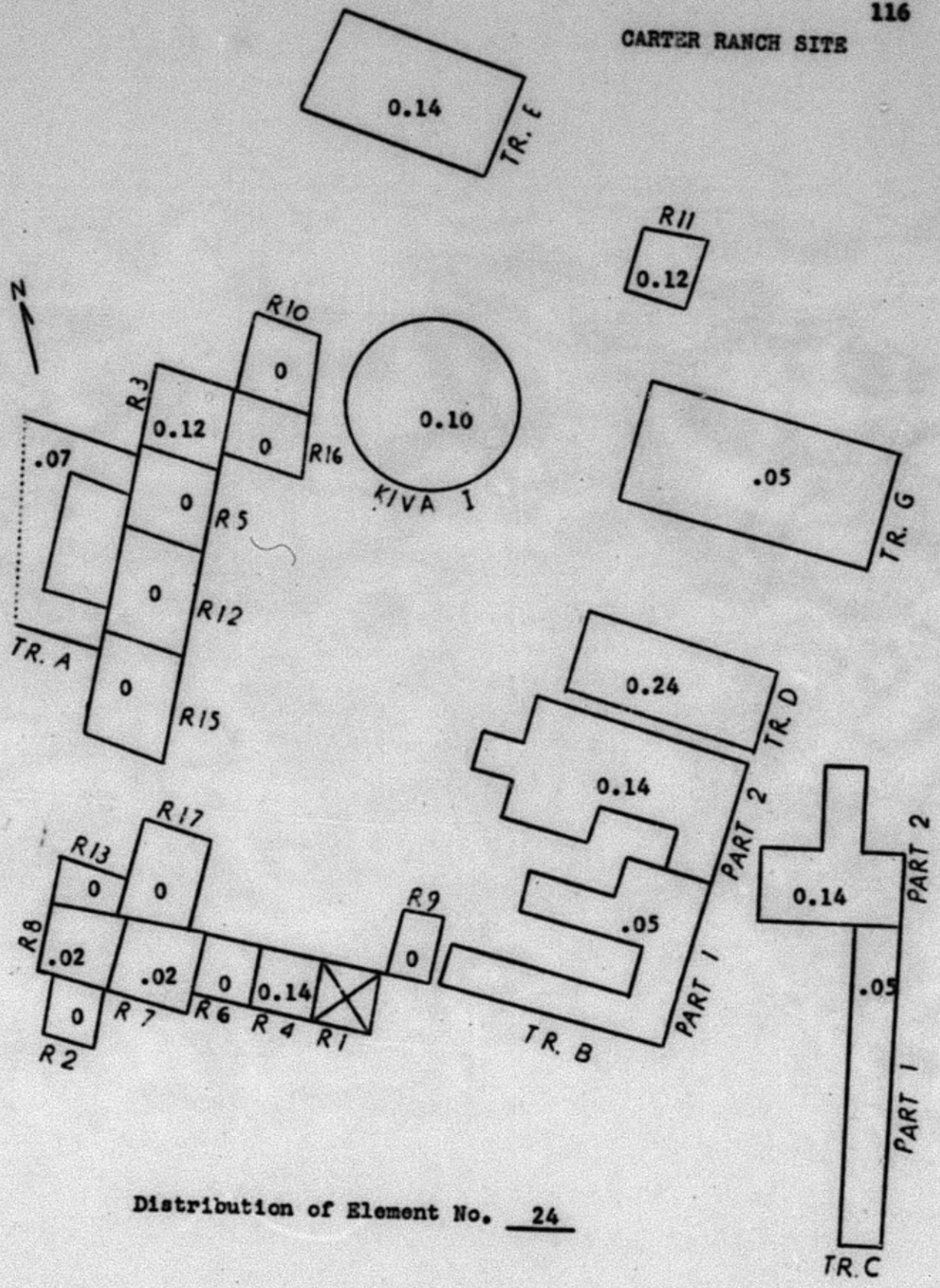
Distribution of Element No. 22

CARTER RANCH SITE



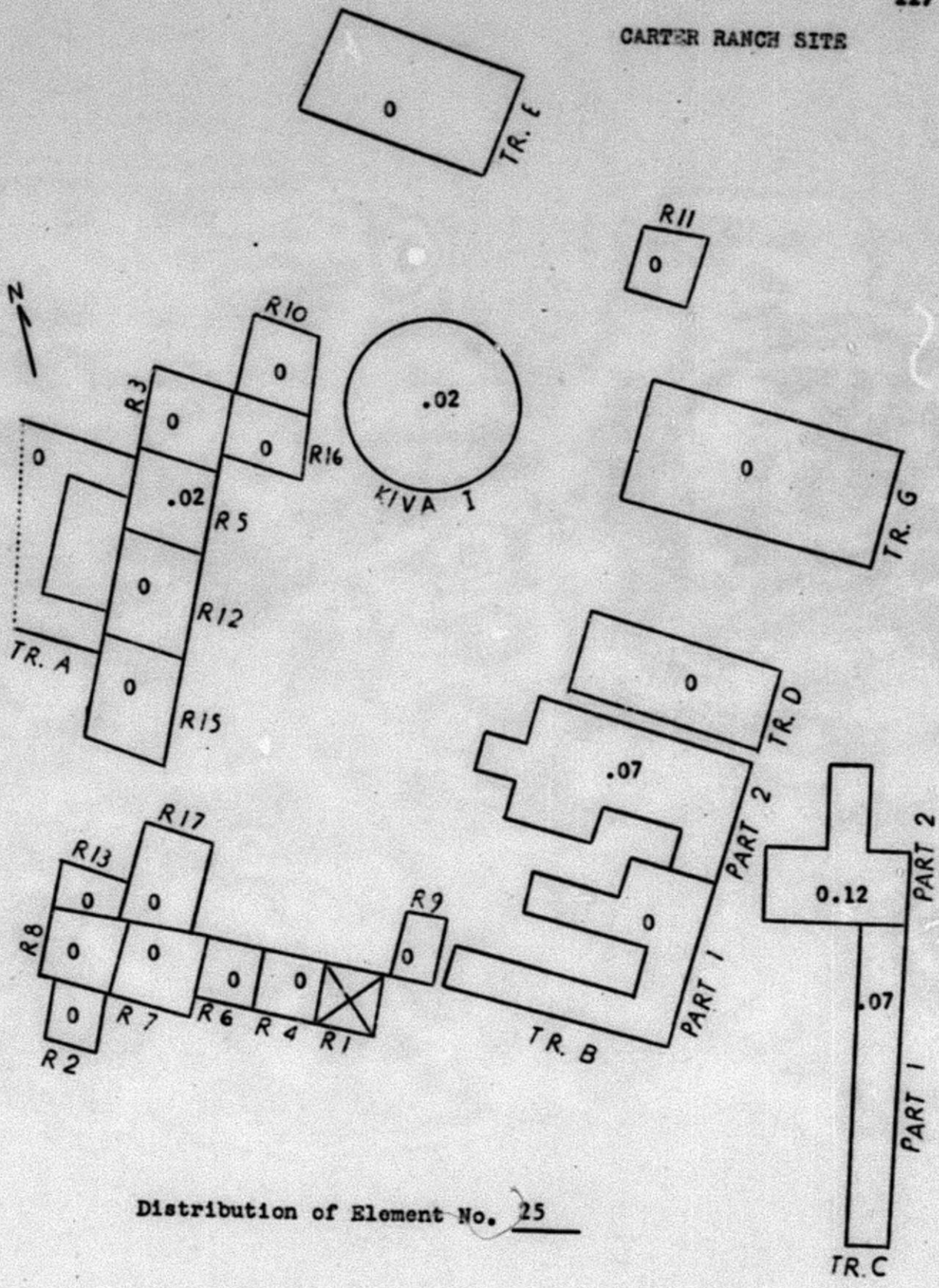
Distribution of Element No. 23

CARTER RANCH SITE



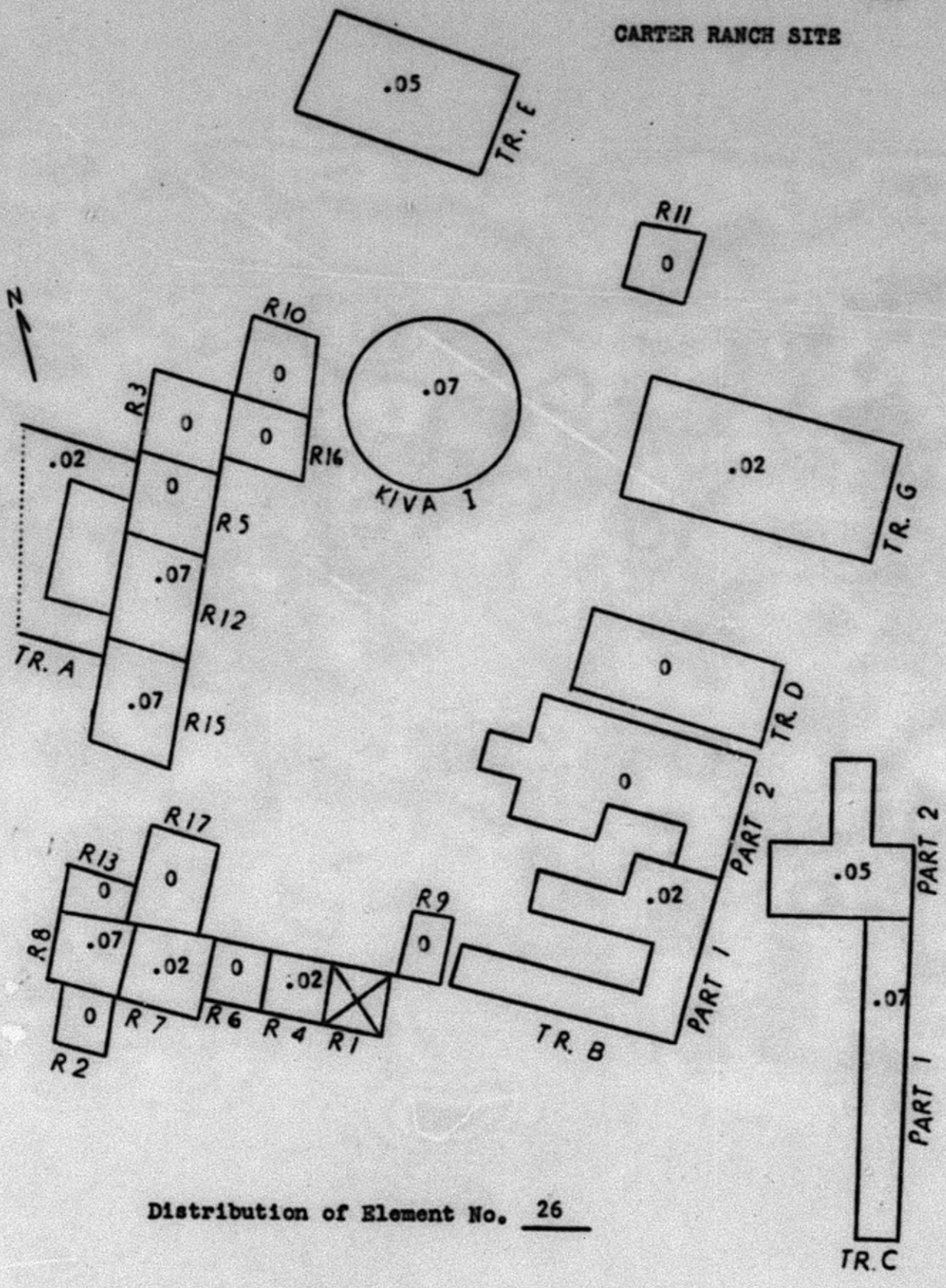
Distribution of Element No. 24

CARTER RANCH SITE



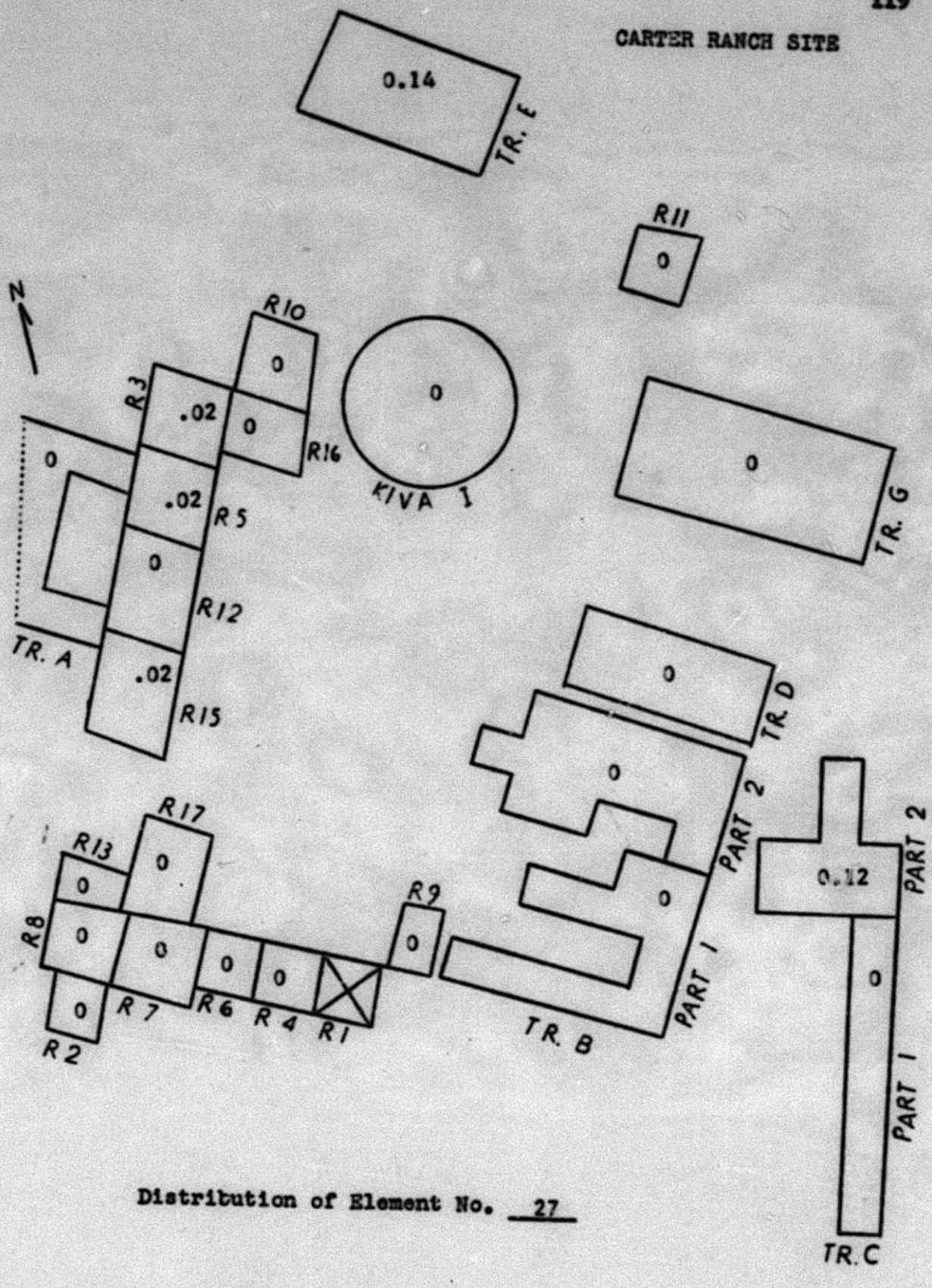
Distribution of Element No. 25

CARTER RANCH SITE



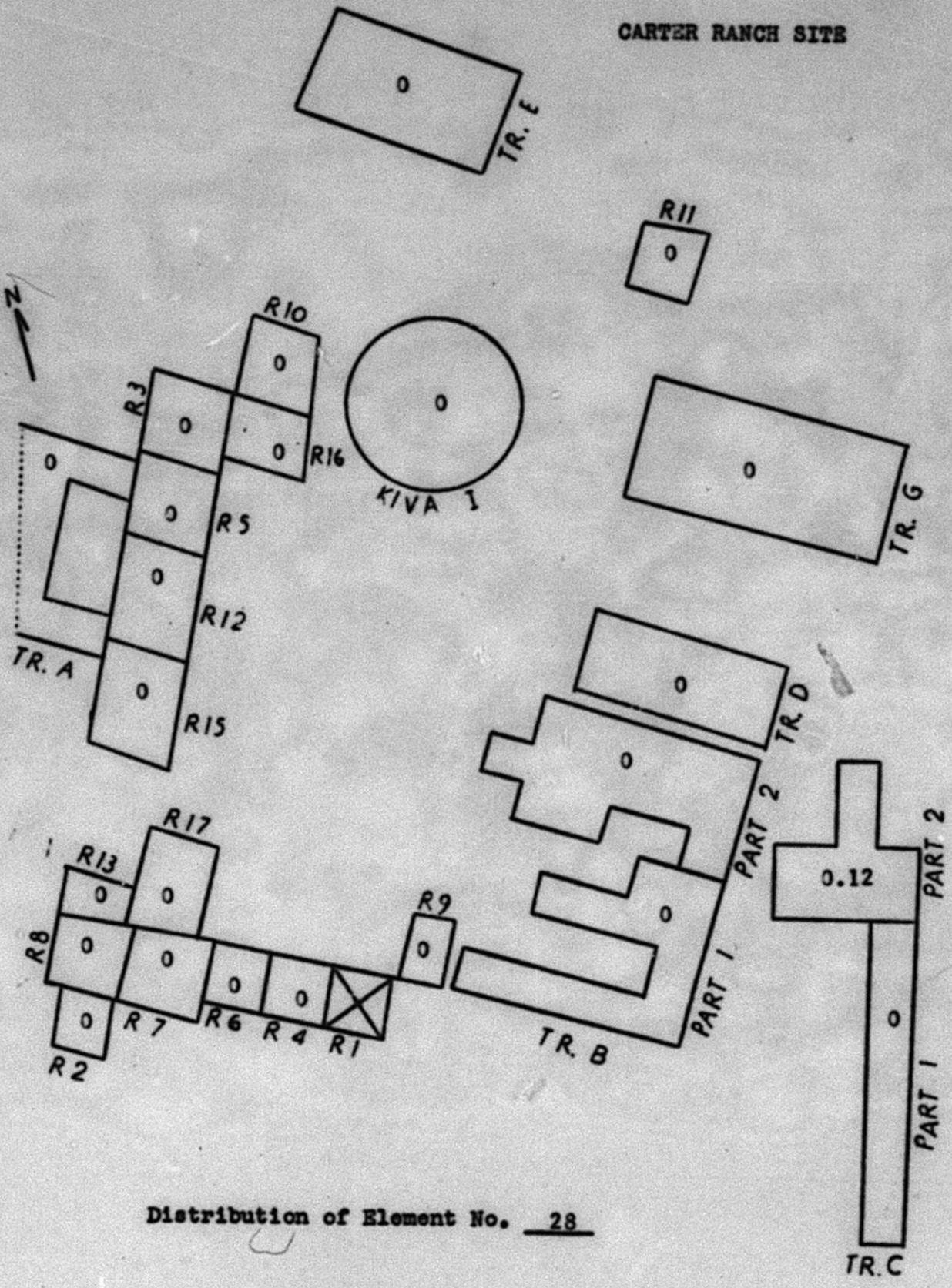
Distribution of Element No. 26

CARTER RANCH SITE



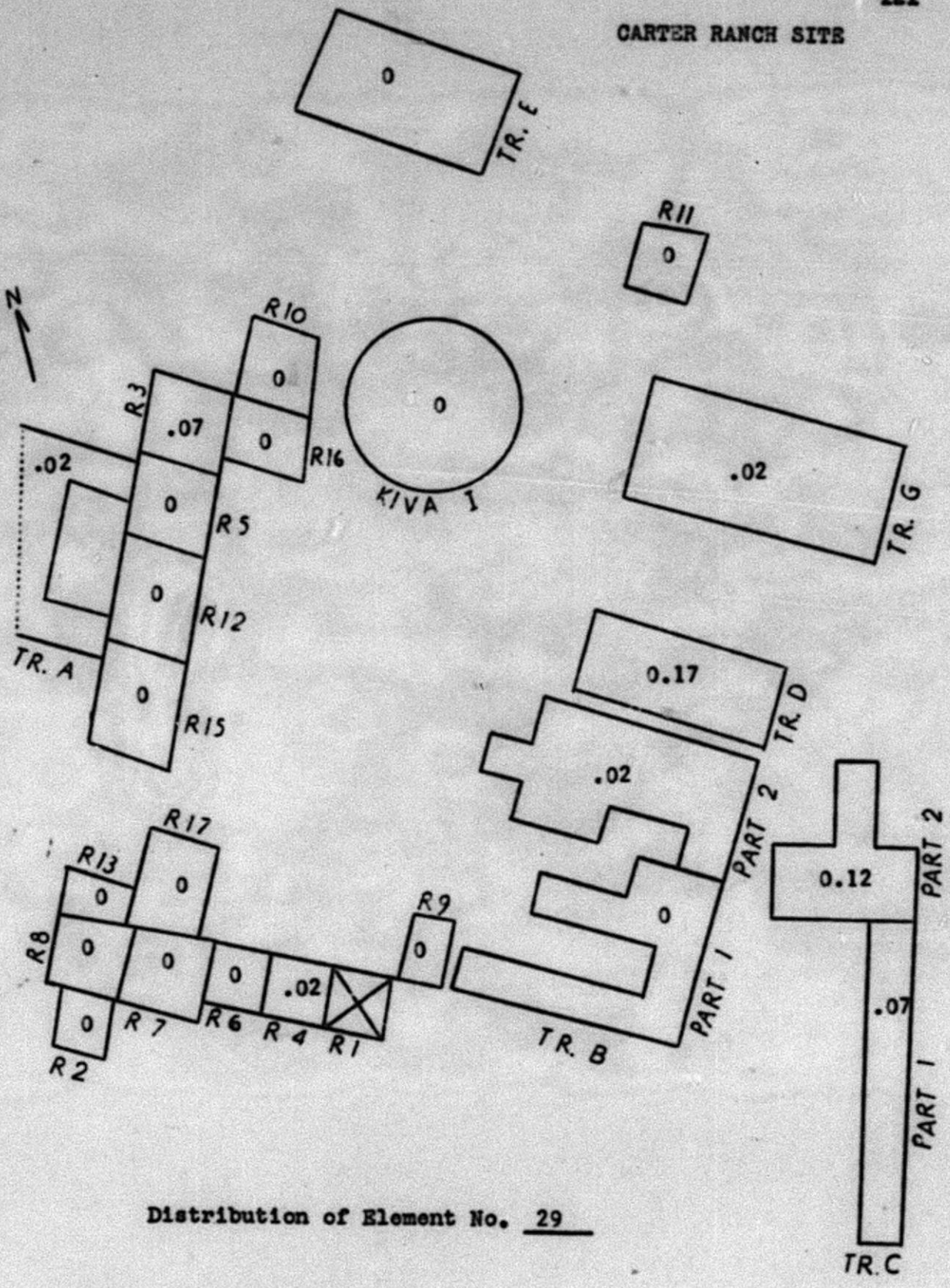
Distribution of Element No. 27

CARTER RANCH SITE



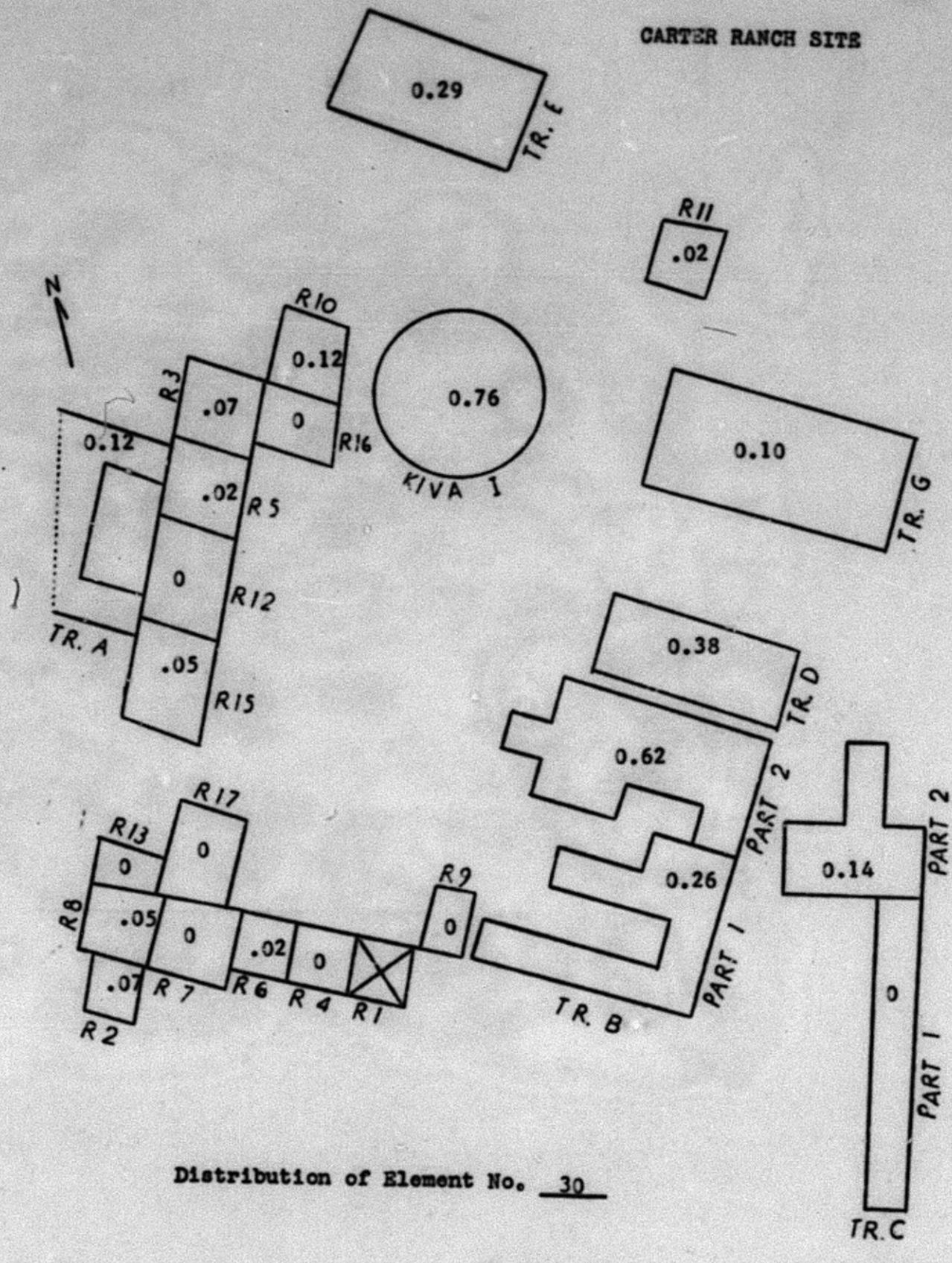
Distribution of Element No. 28

CARTER RANCH SITE



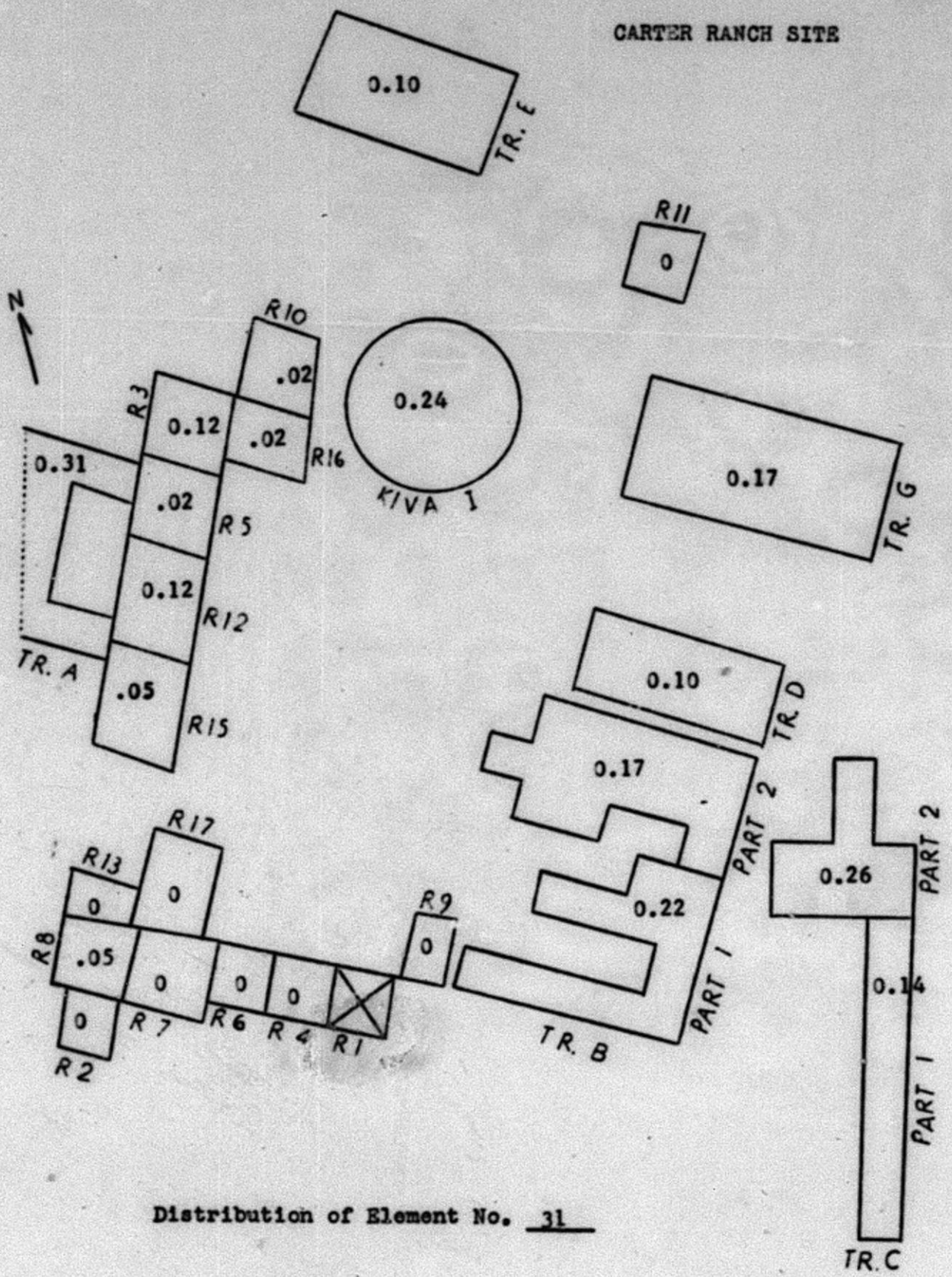
Distribution of Element No. 29

CARTER RANCH SITE



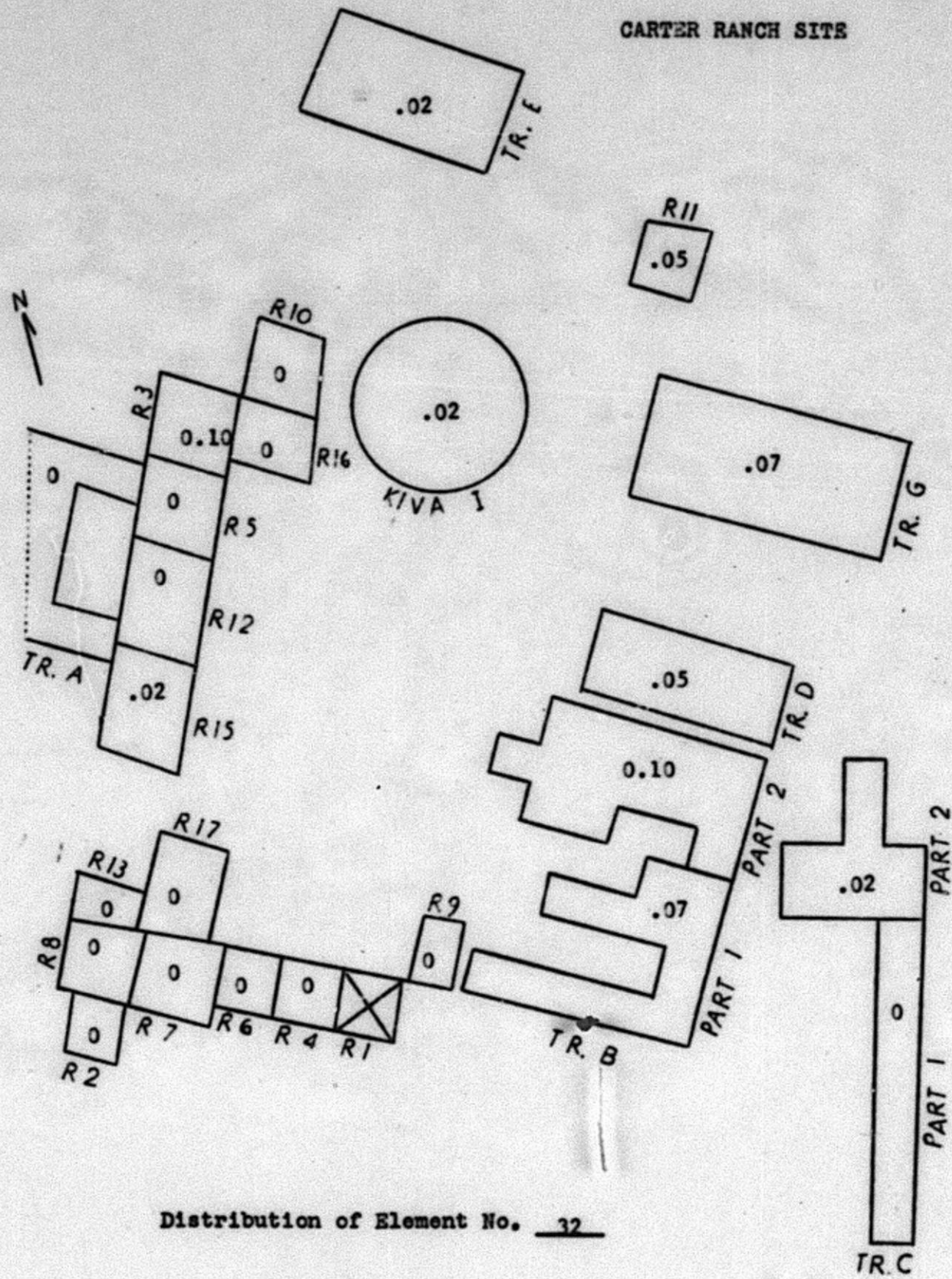
Distribution of Element No. 30

CARTER RANCH SITE



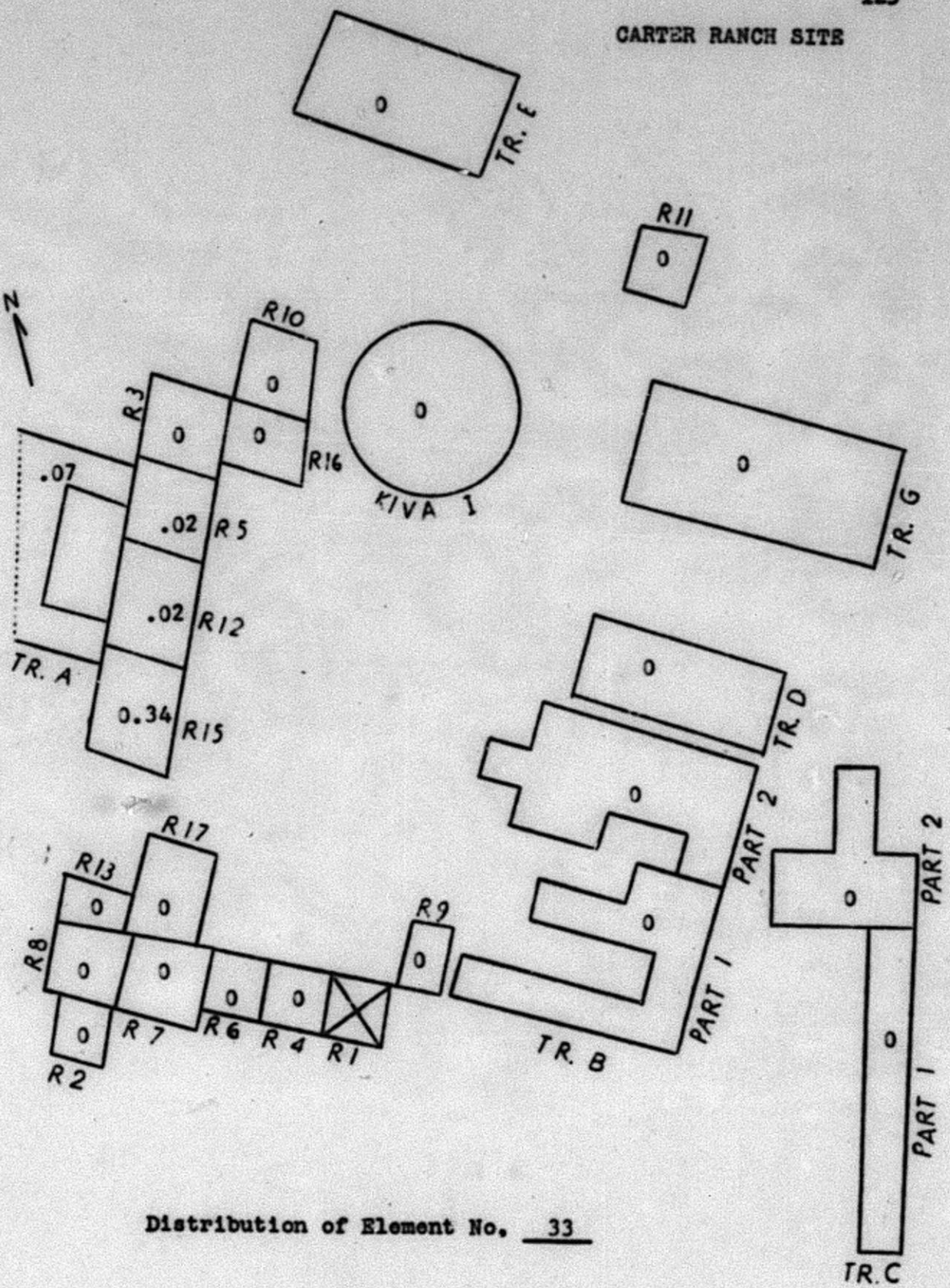
Distribution of Element No. 31

CARTER RANCH SITE



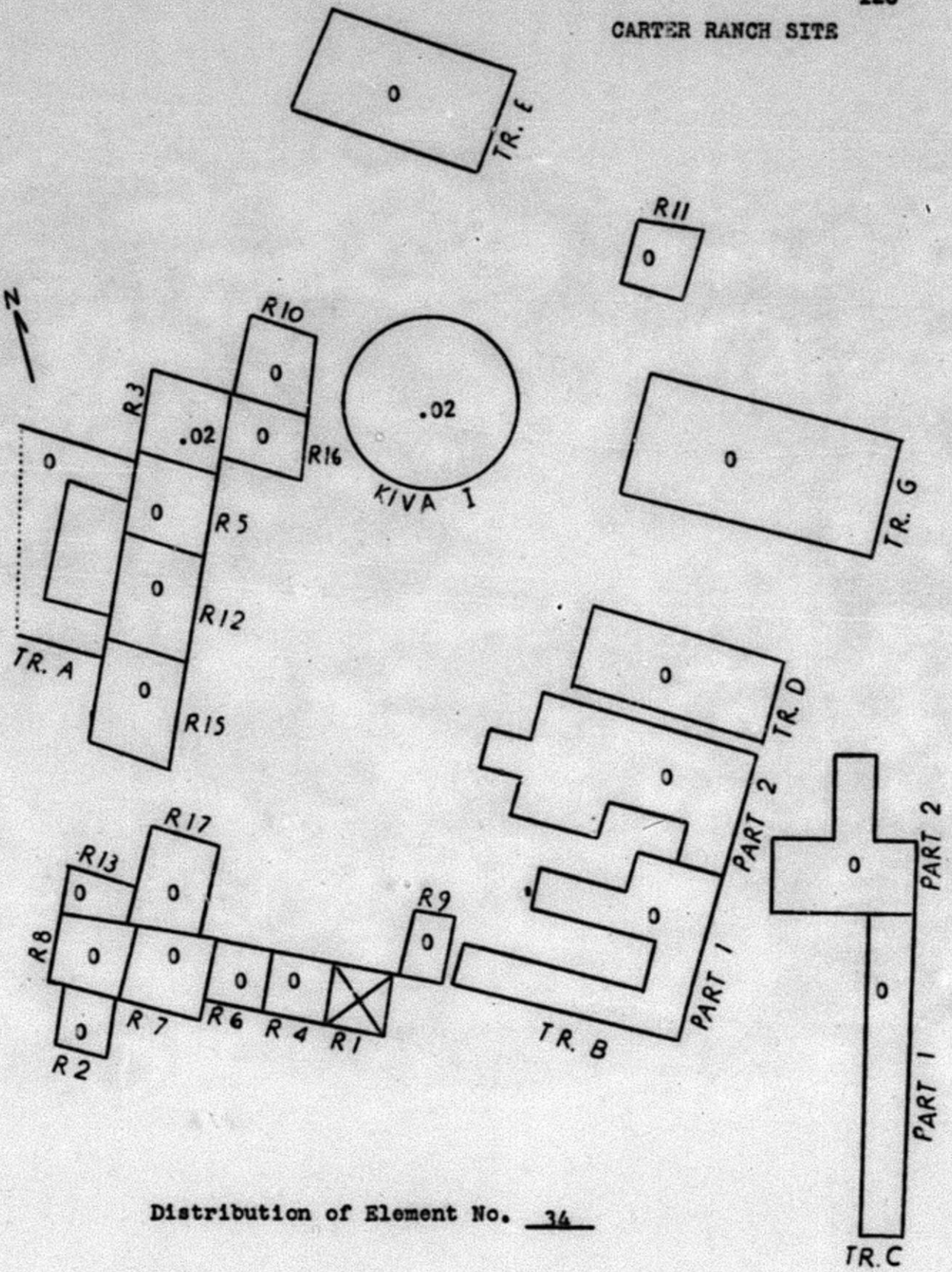
Distribution of Element No. 32

CARTER RANCH SITE



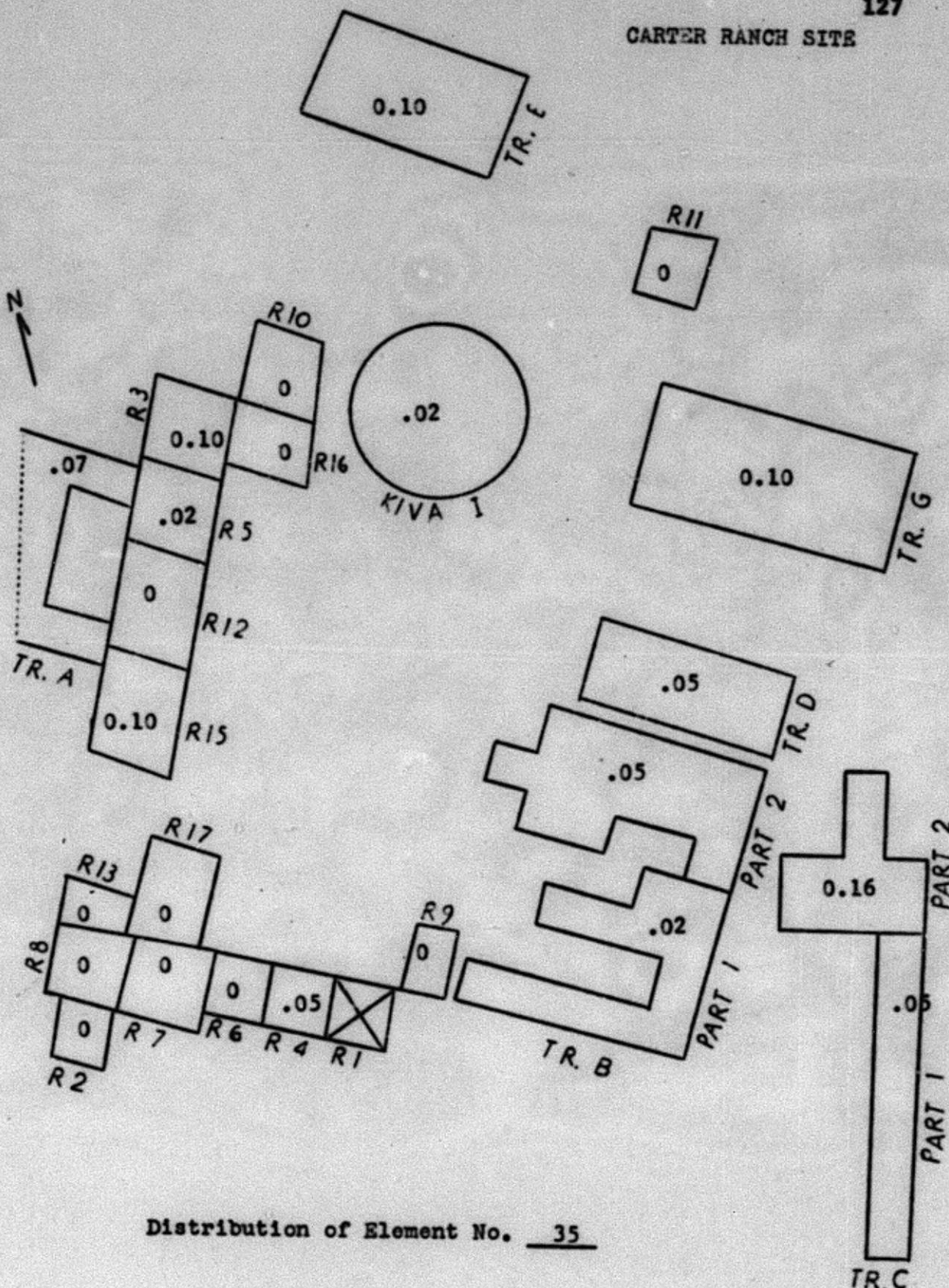
Distribution of Element No. 33

CARTER RANCH SITE



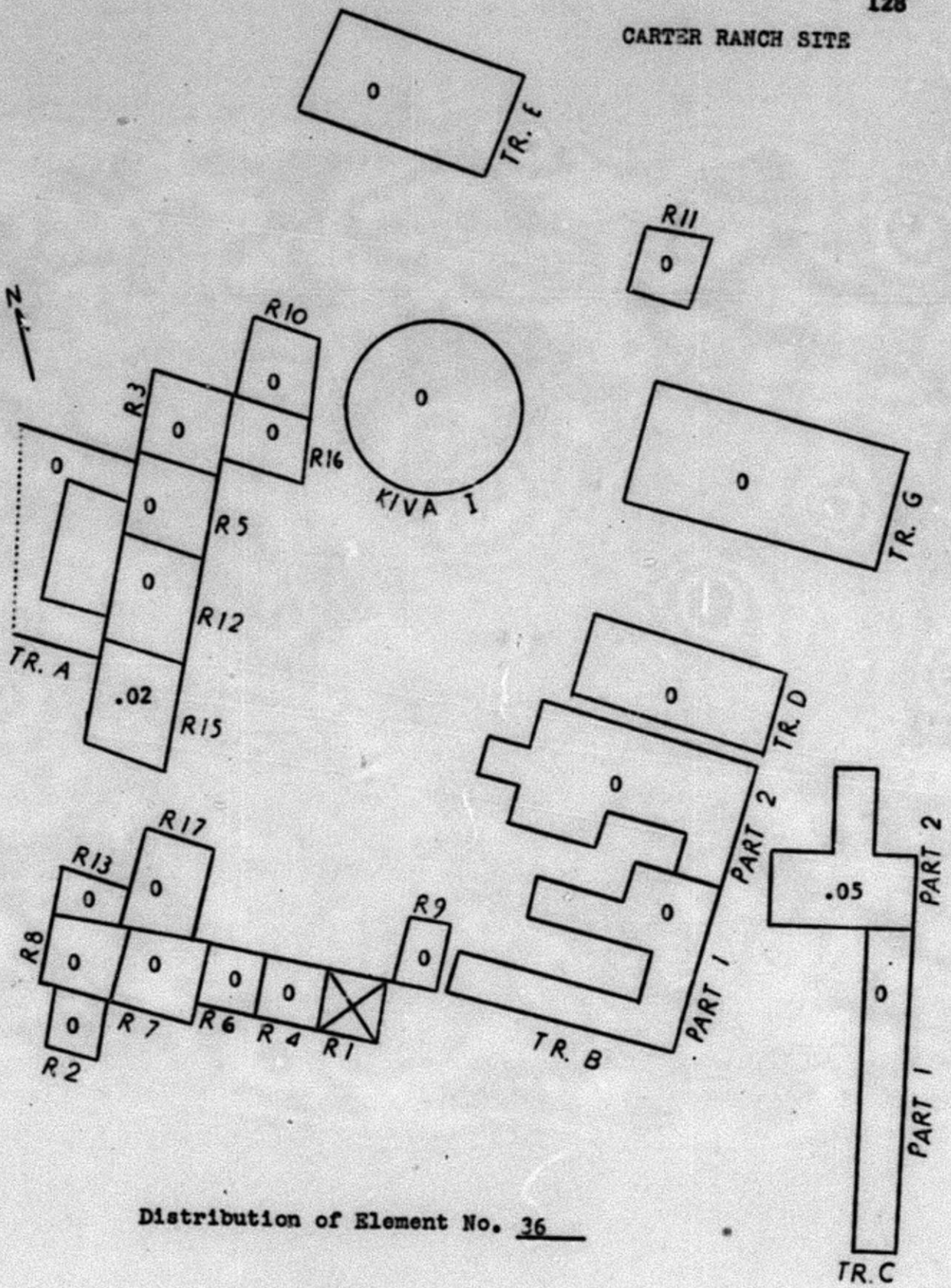
Distribution of Element No. 34

CARTER RANCH SITE



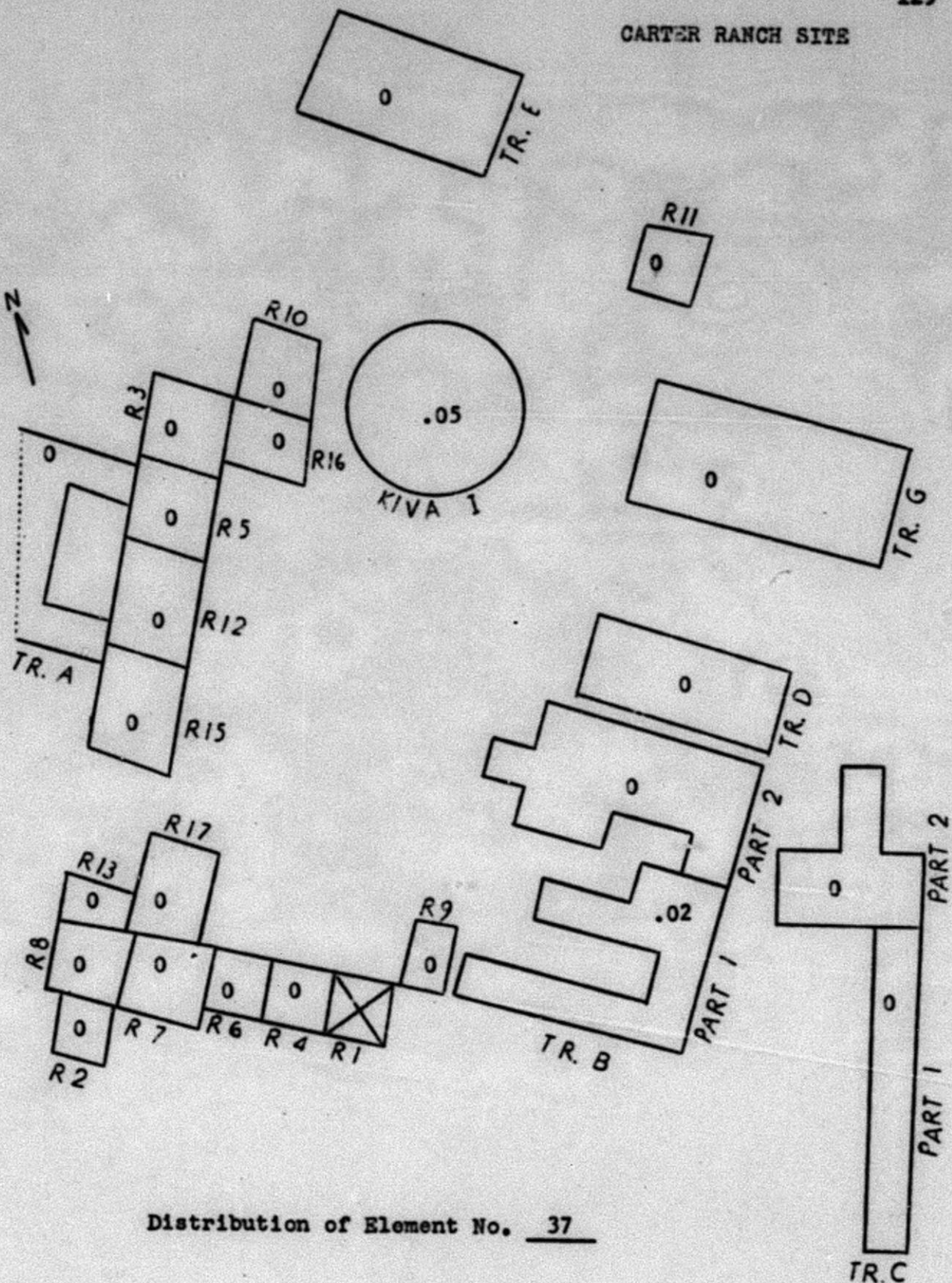
Distribution of Element No. 35

CARTER RANCH SITE



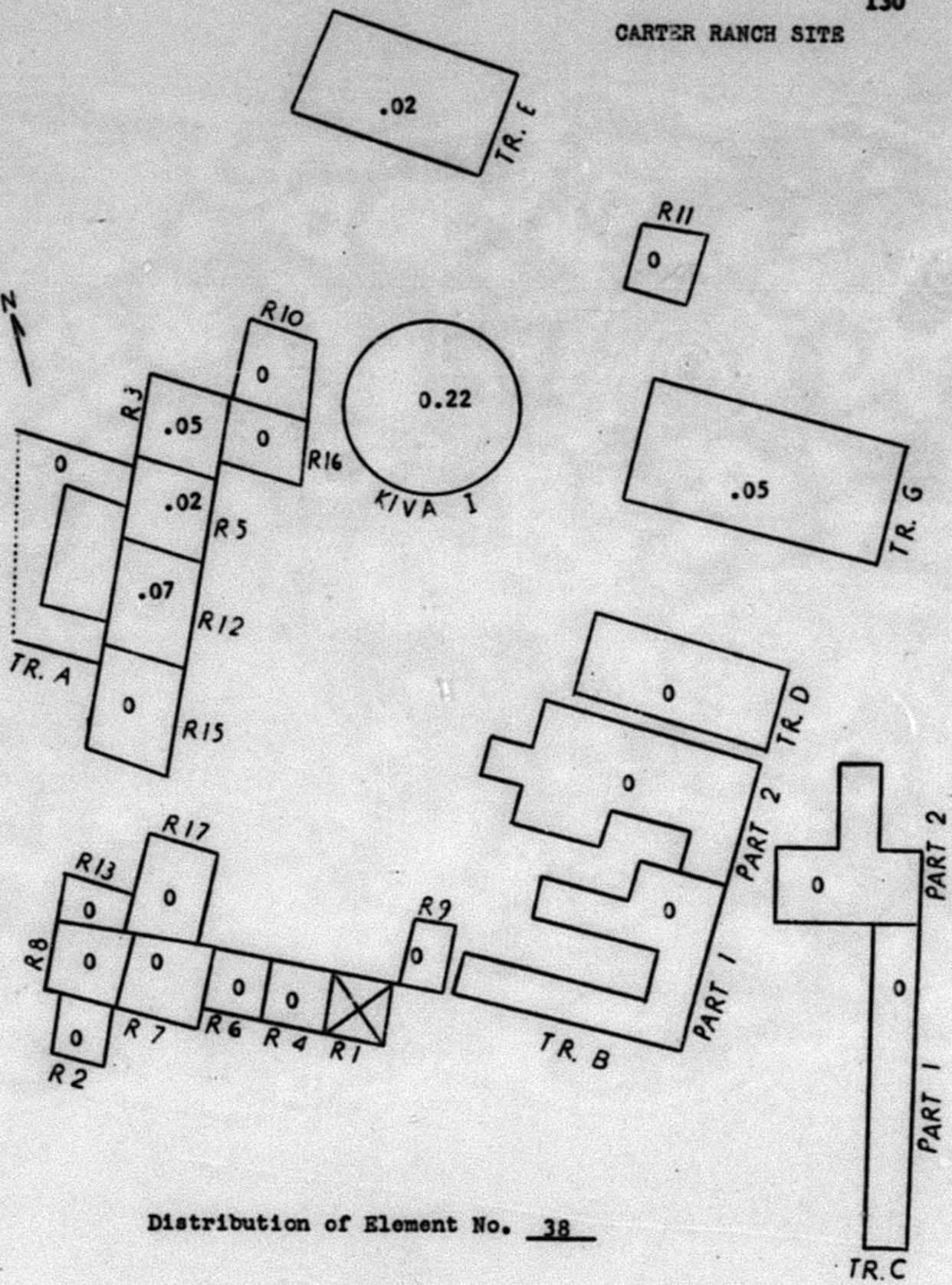
Distribution of Element No. 36

CARTER RANCH SITE



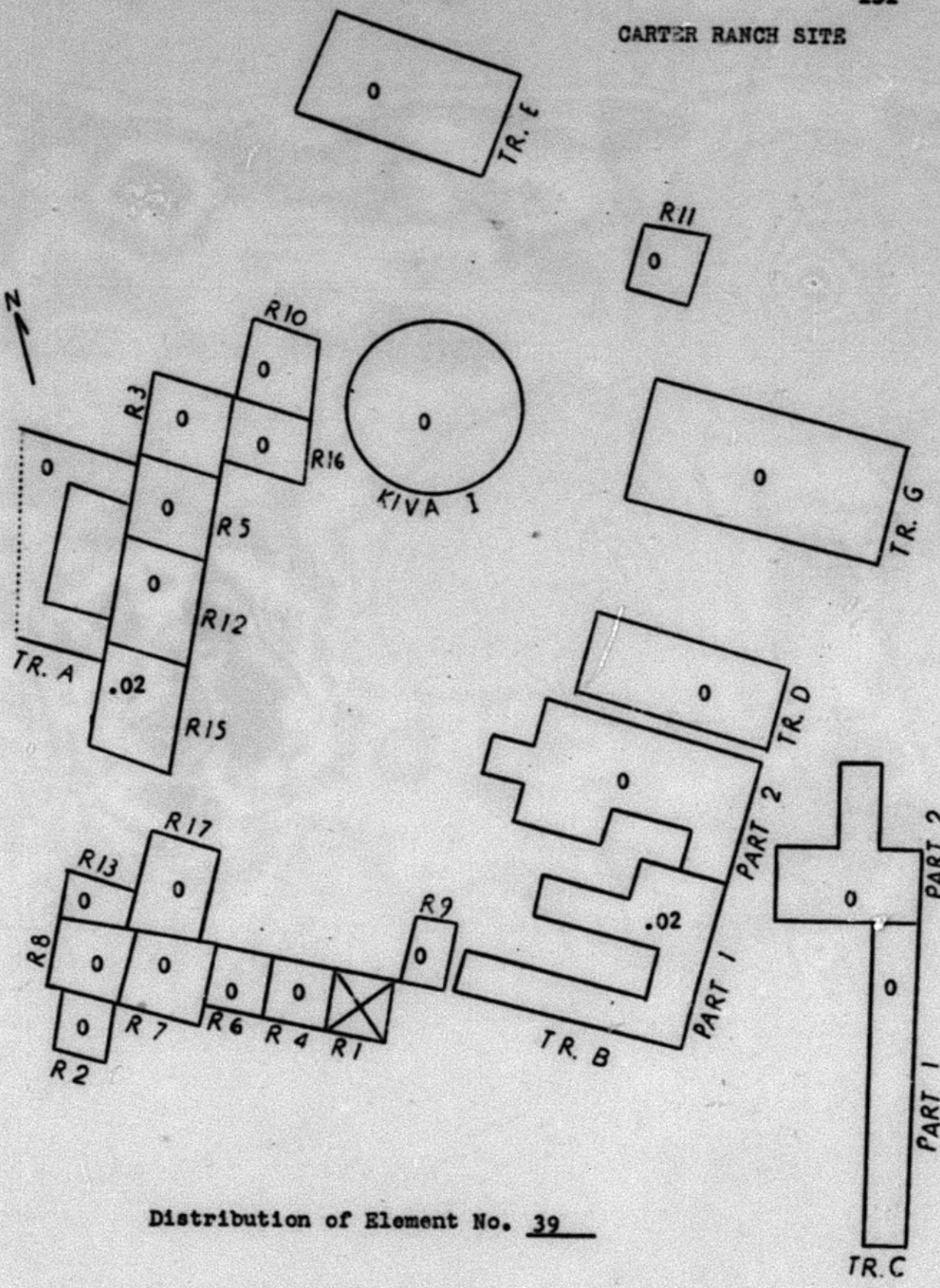
Distribution of Element No. 37

CARTER RANCH SITE



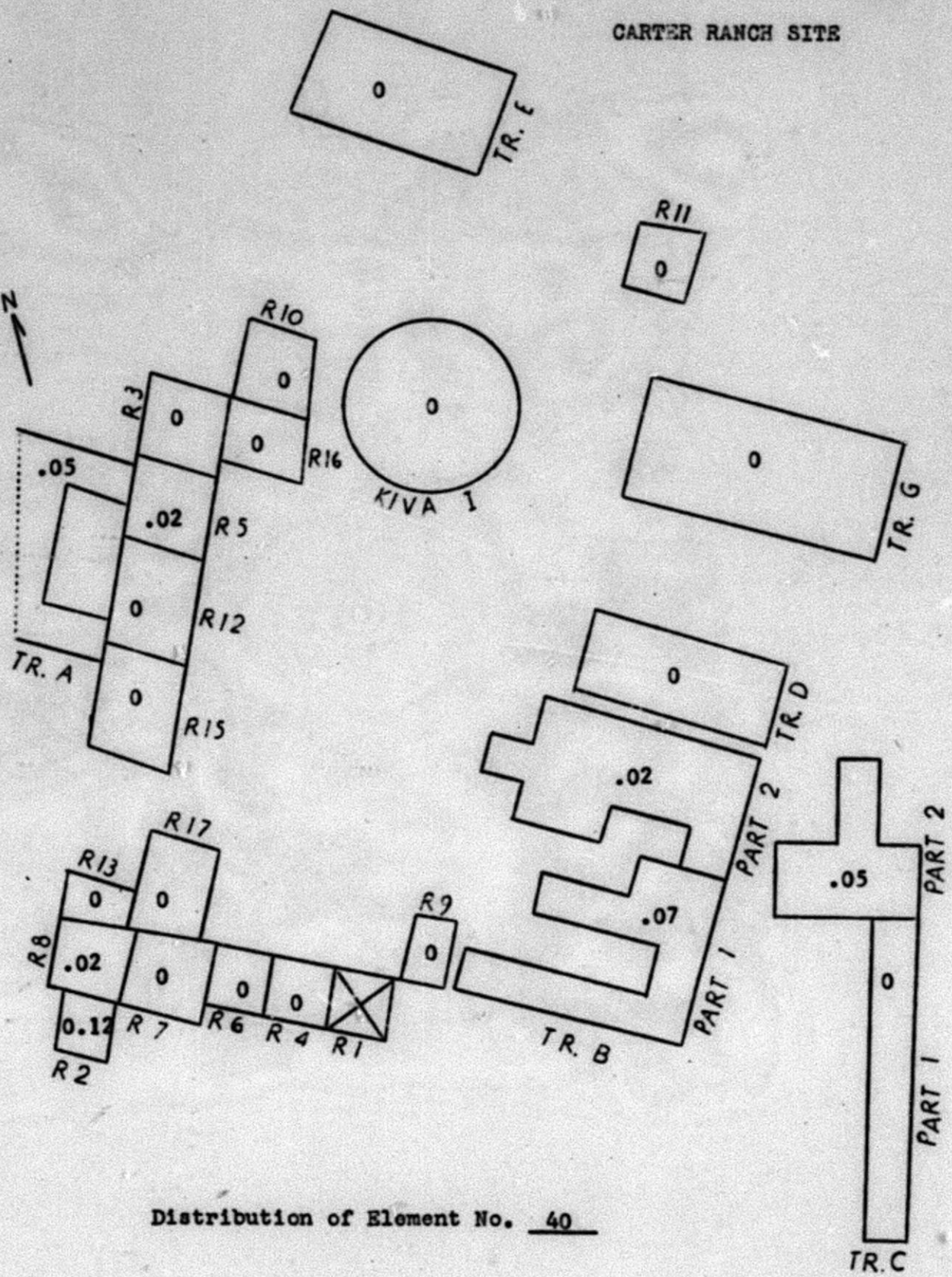
Distribution of Element No. 38

CARTER RANCH SITE



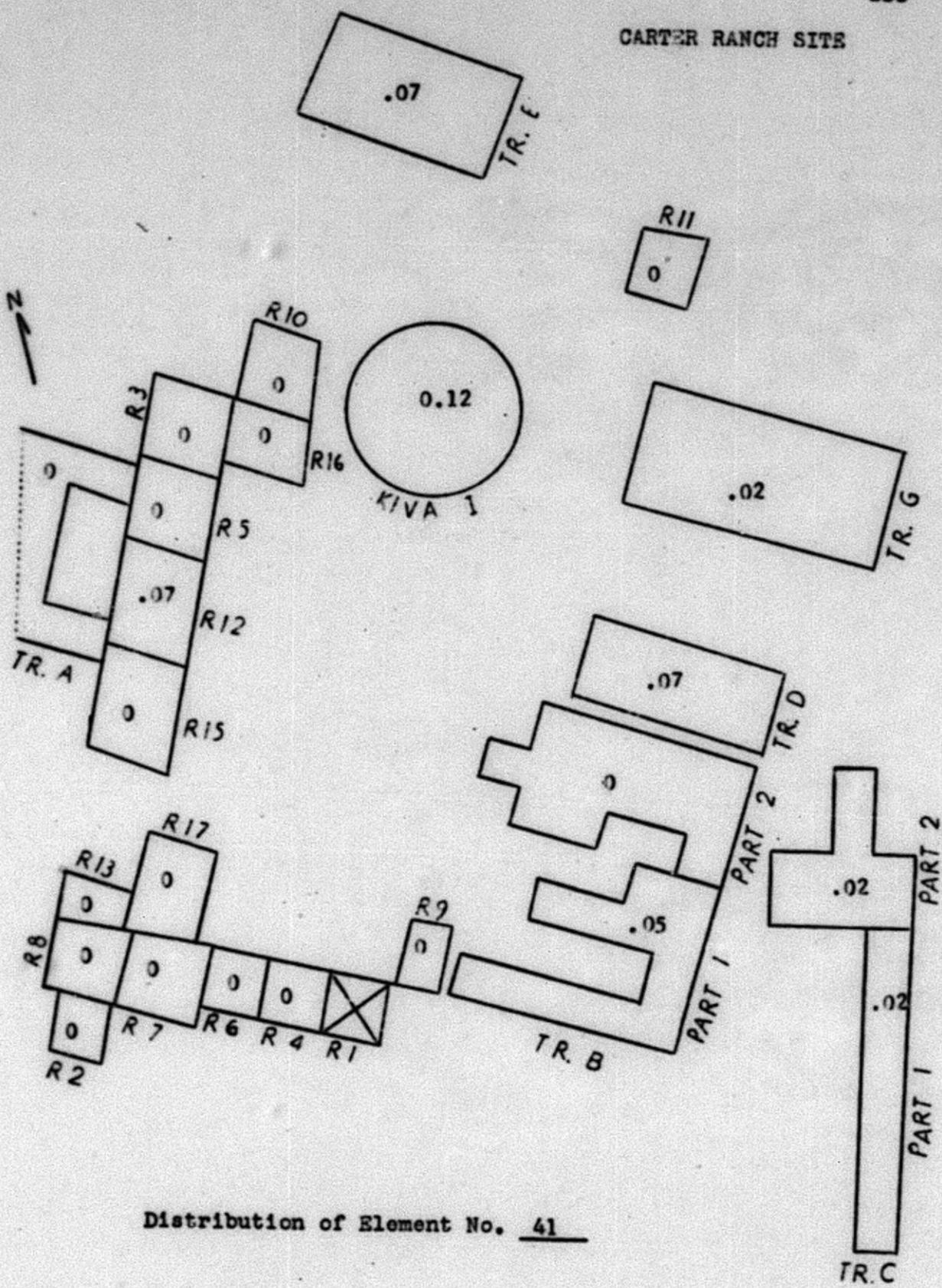
Distribution of Element No. 39

CARTER RANCH SITE



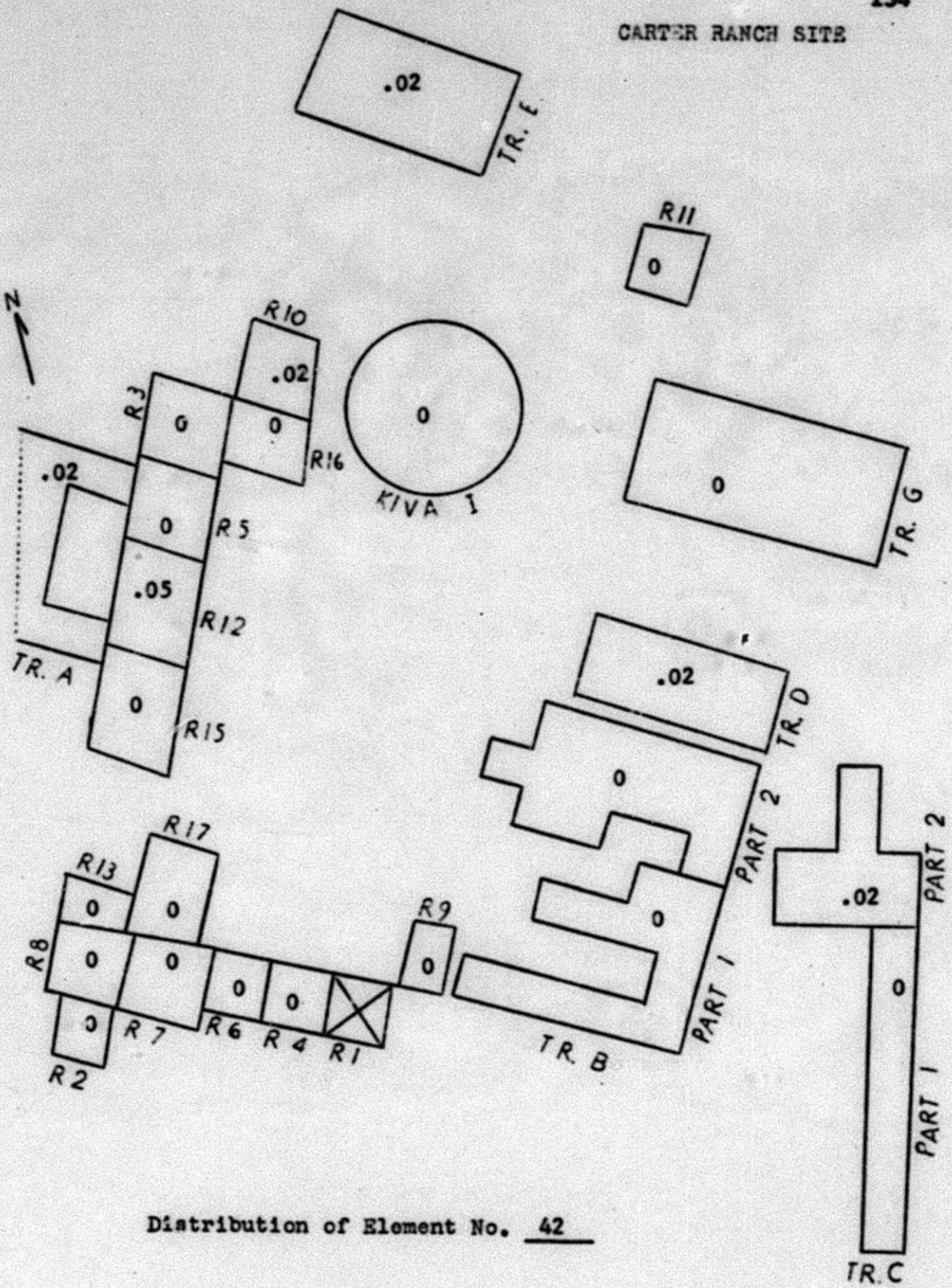
Distribution of Element No. 40

CARTER RANCH SITE



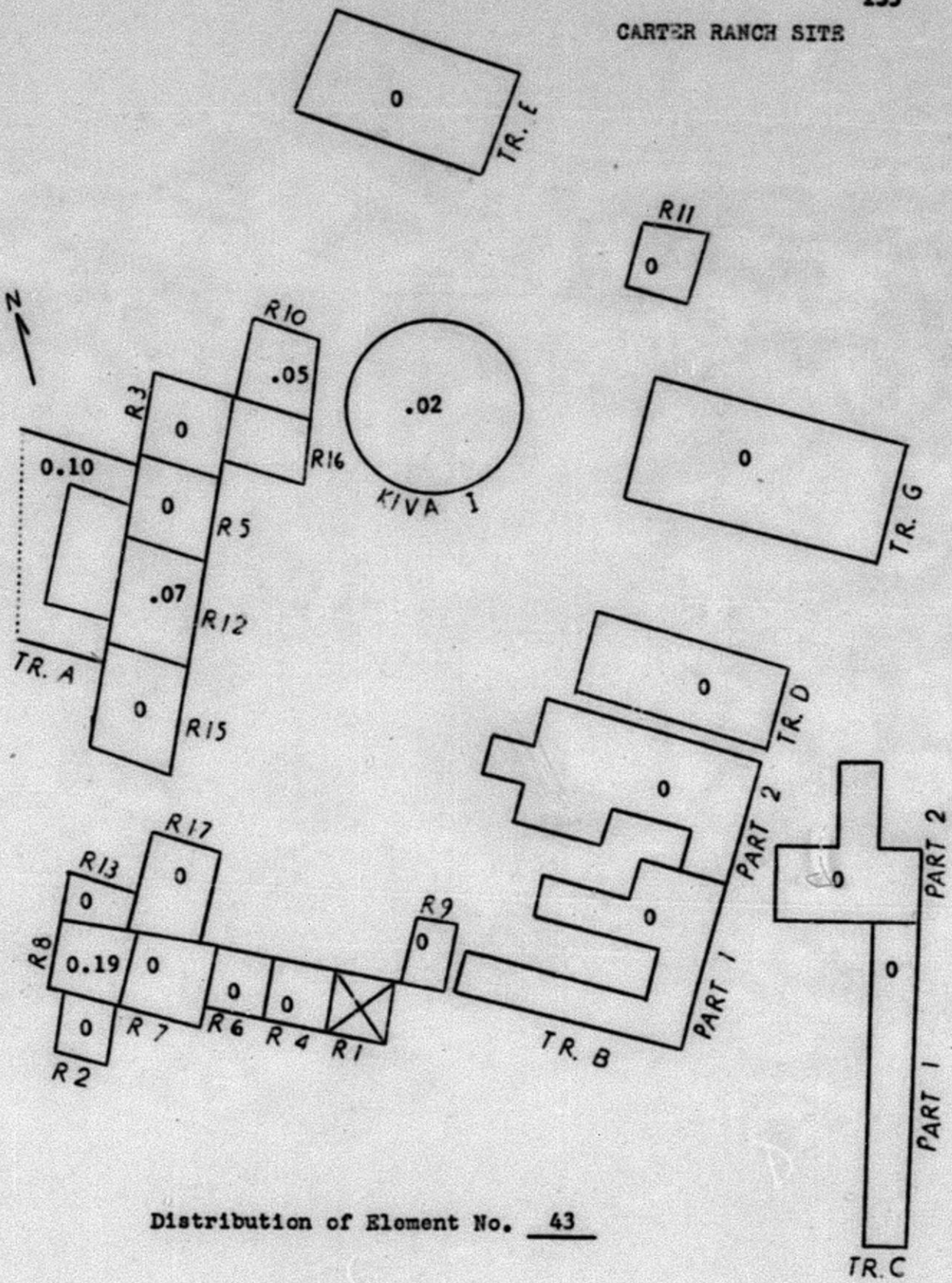
Distribution of Element No. 41

CARTER RANCH SITE



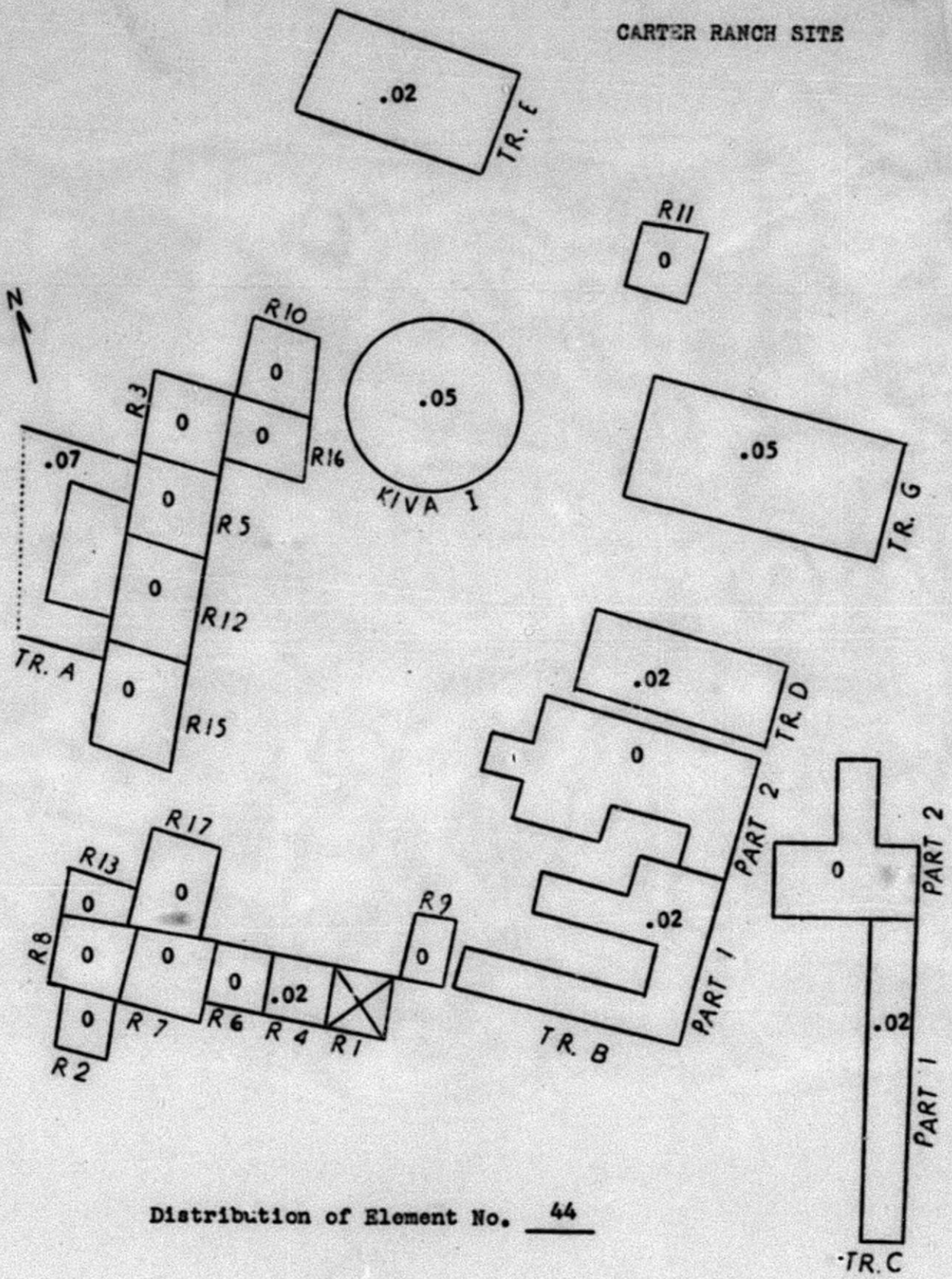
Distribution of Element No. 42

CARTER RANCH SITE



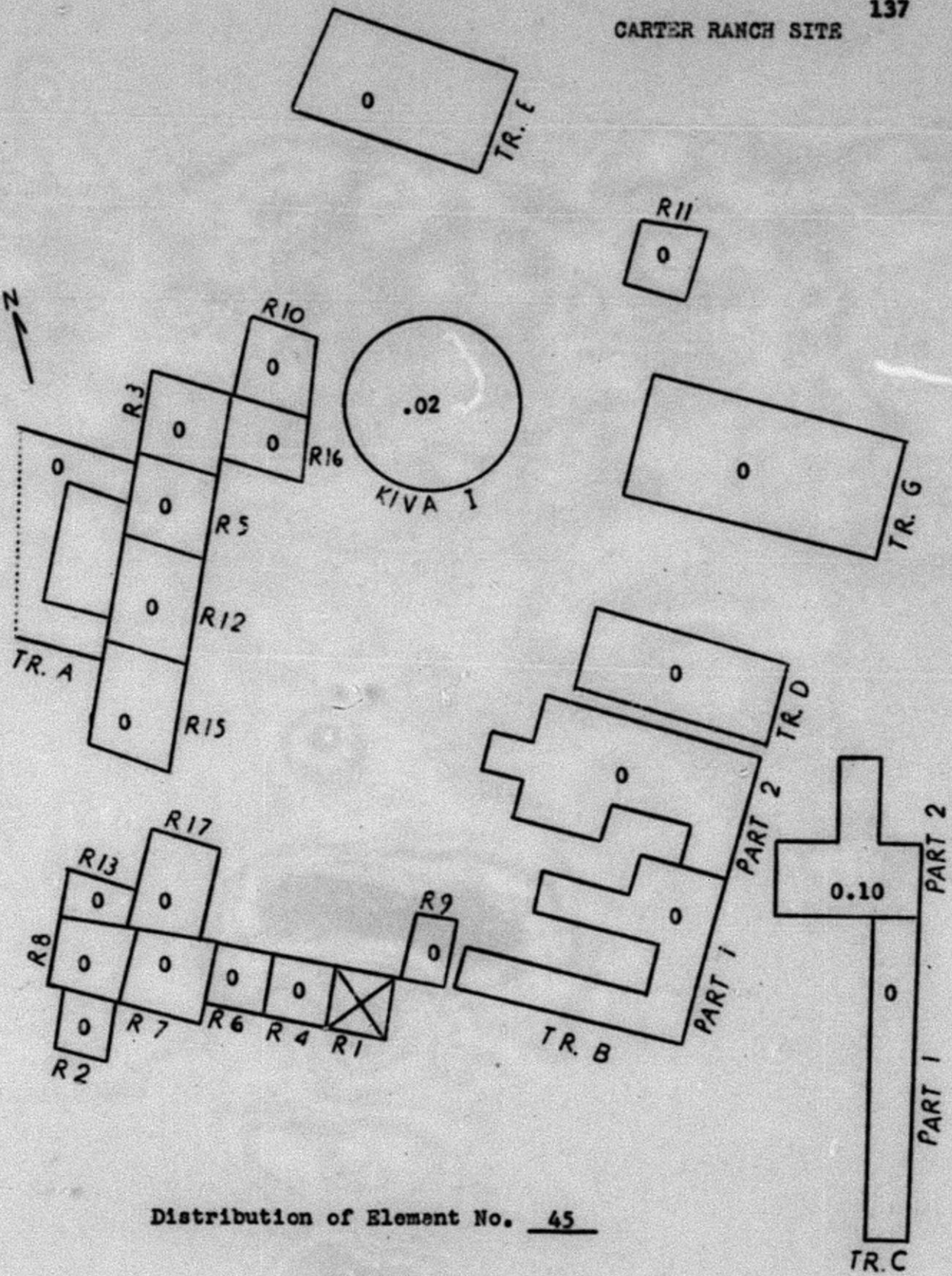
Distribution of Element No. 43

CARTER RANCH SITE



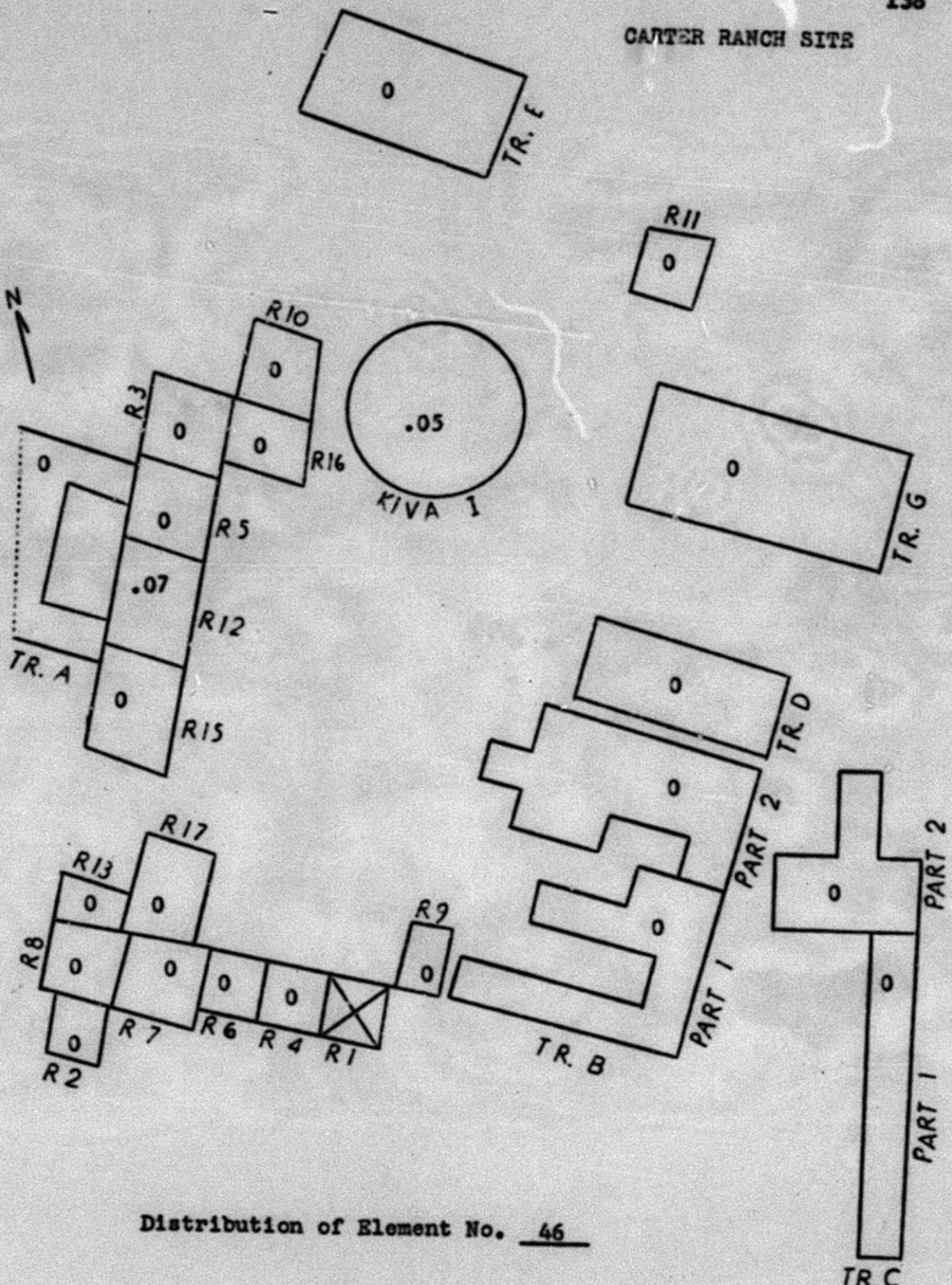
Distribution of Element No. 44

CARTER RANCH SITE



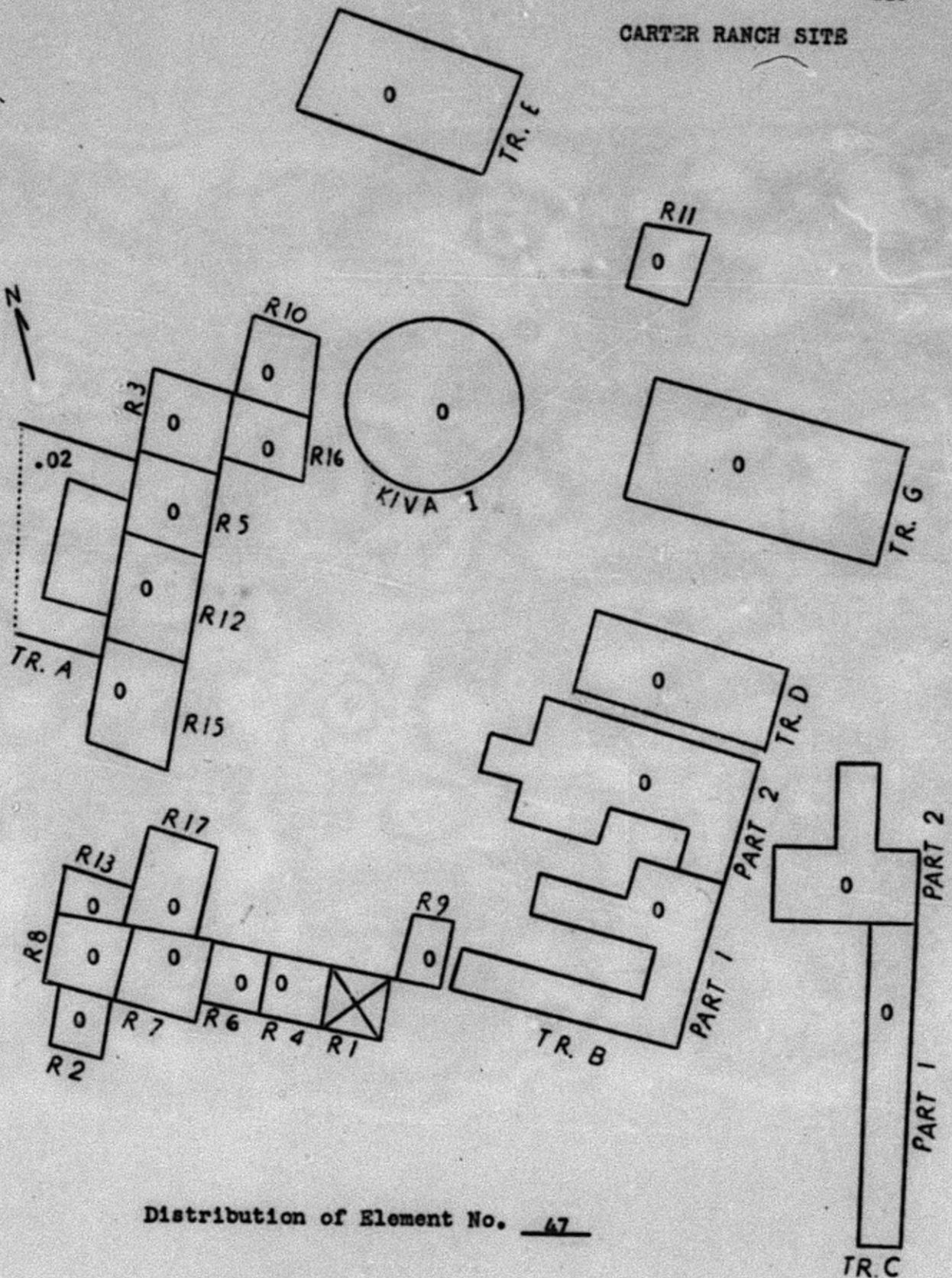
Distribution of Element No. 45

CARTER RANCH SITE



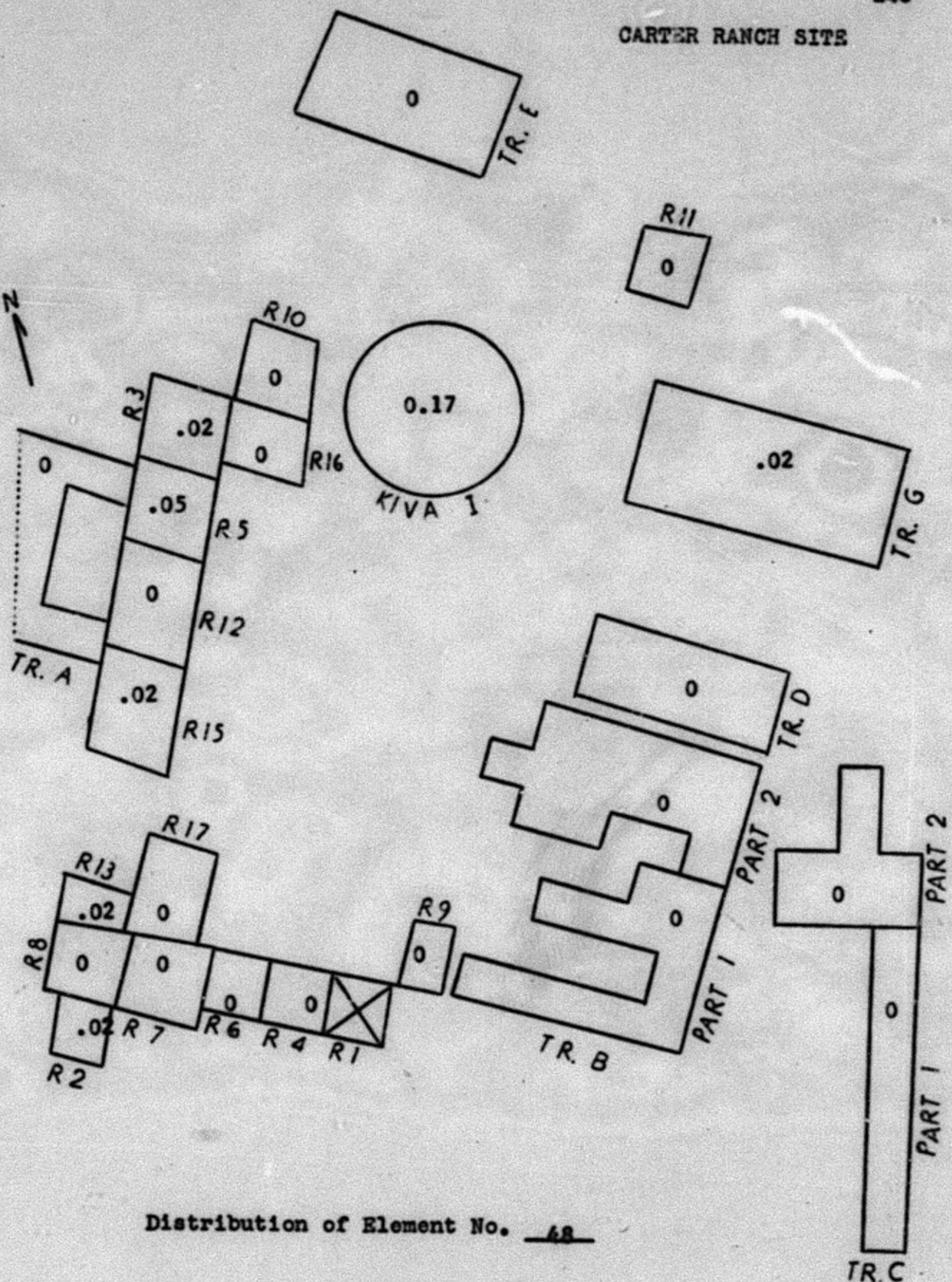
Distribution of Element No. 46

CARTER RANCH SITE



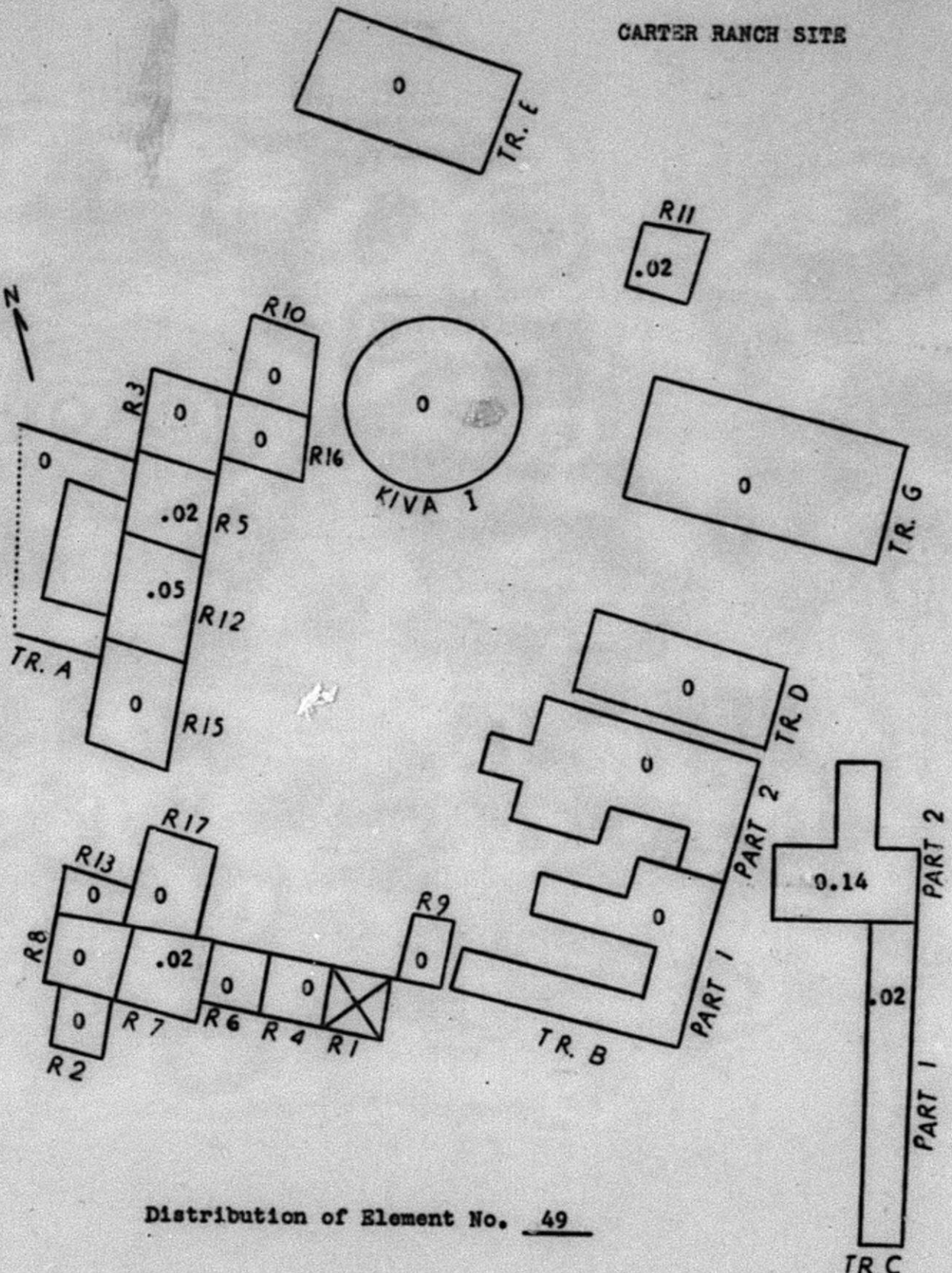
Distribution of Element No. 47

CARTER RANCH SITE



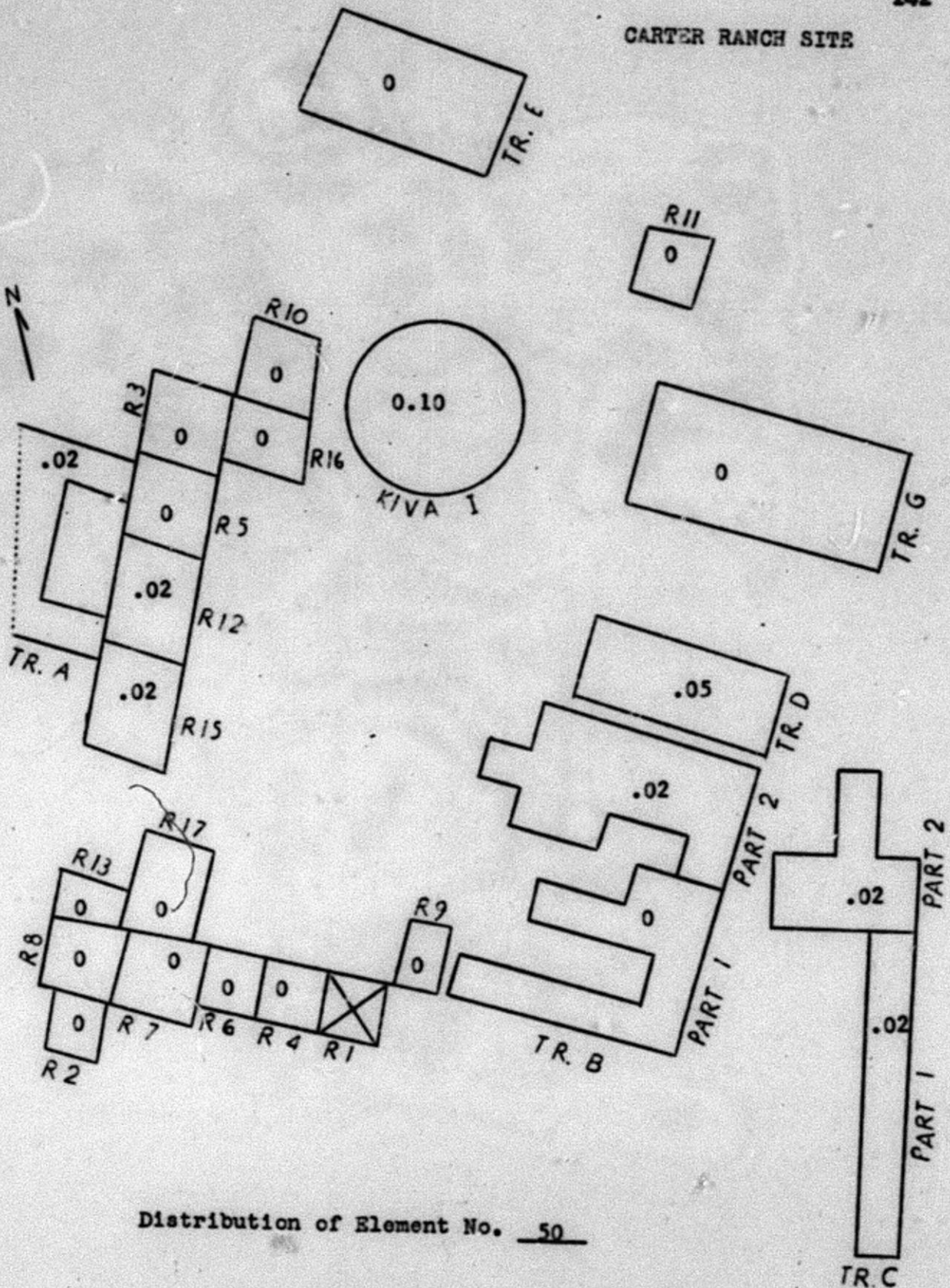
Distribution of Element No. 48

CARTER RANCH SITE



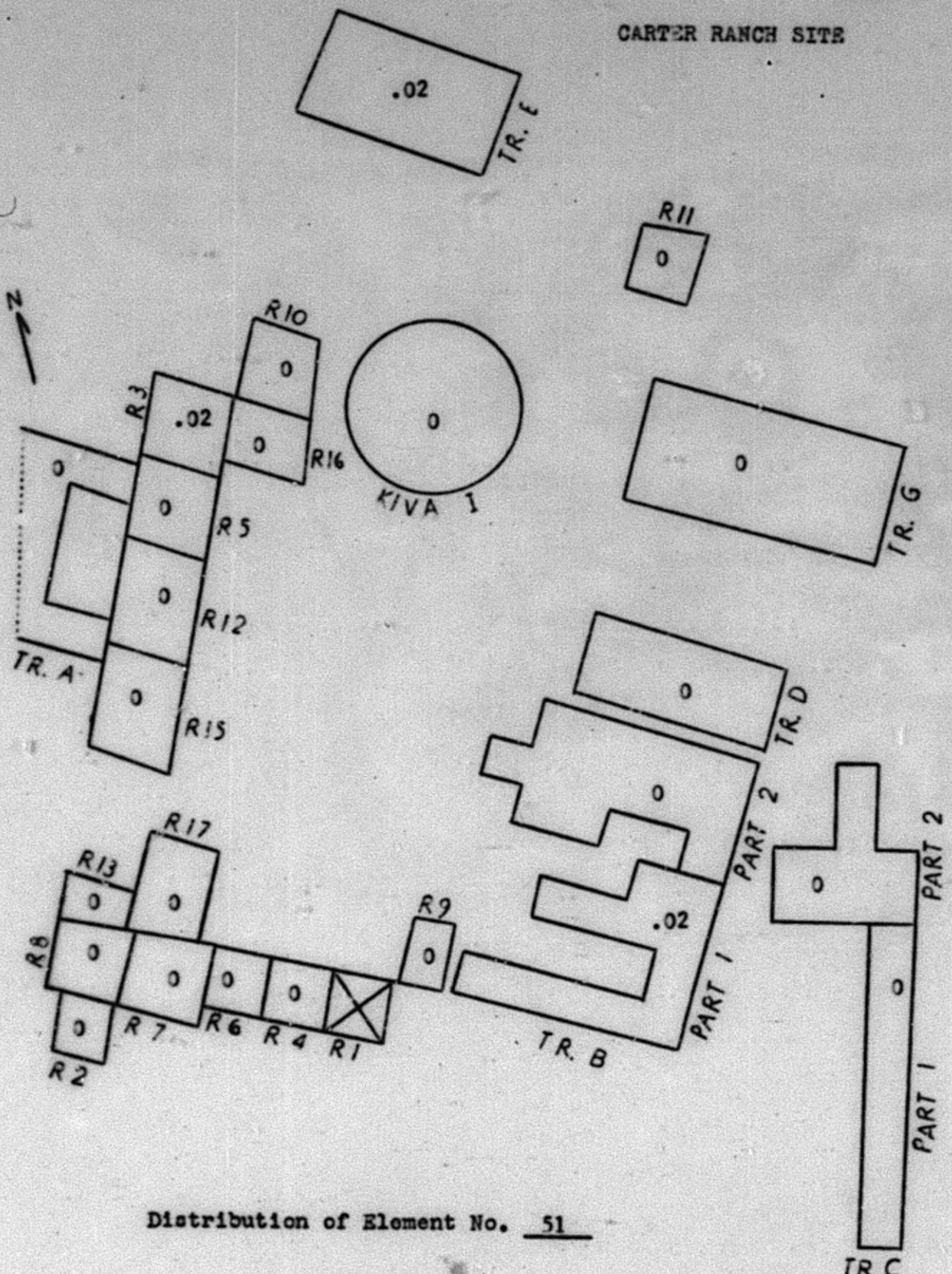
Distribution of Element No. 49

CARTER RANCH SITE



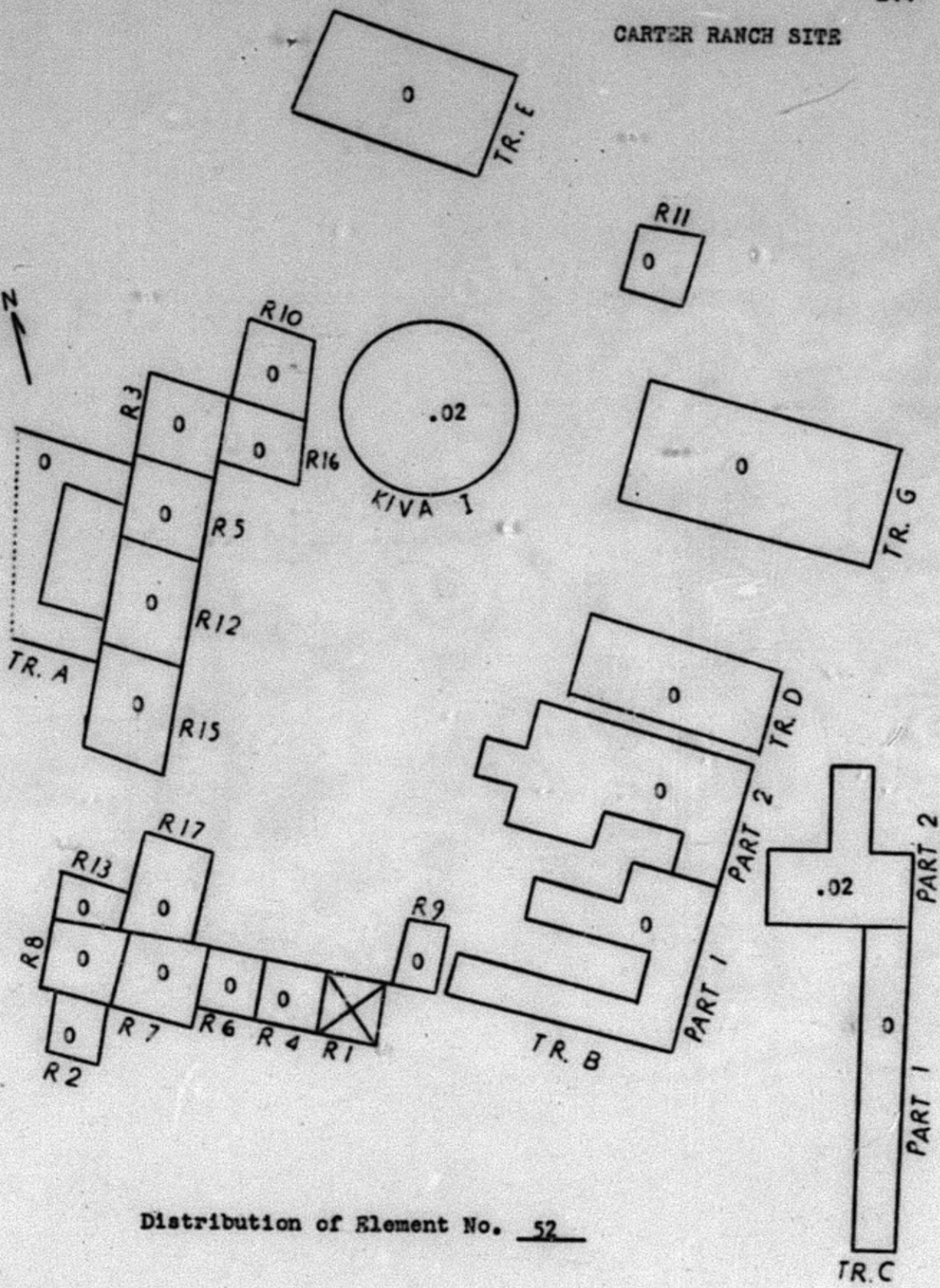
Distribution of Element No. 50

CARTER RANCH SITE



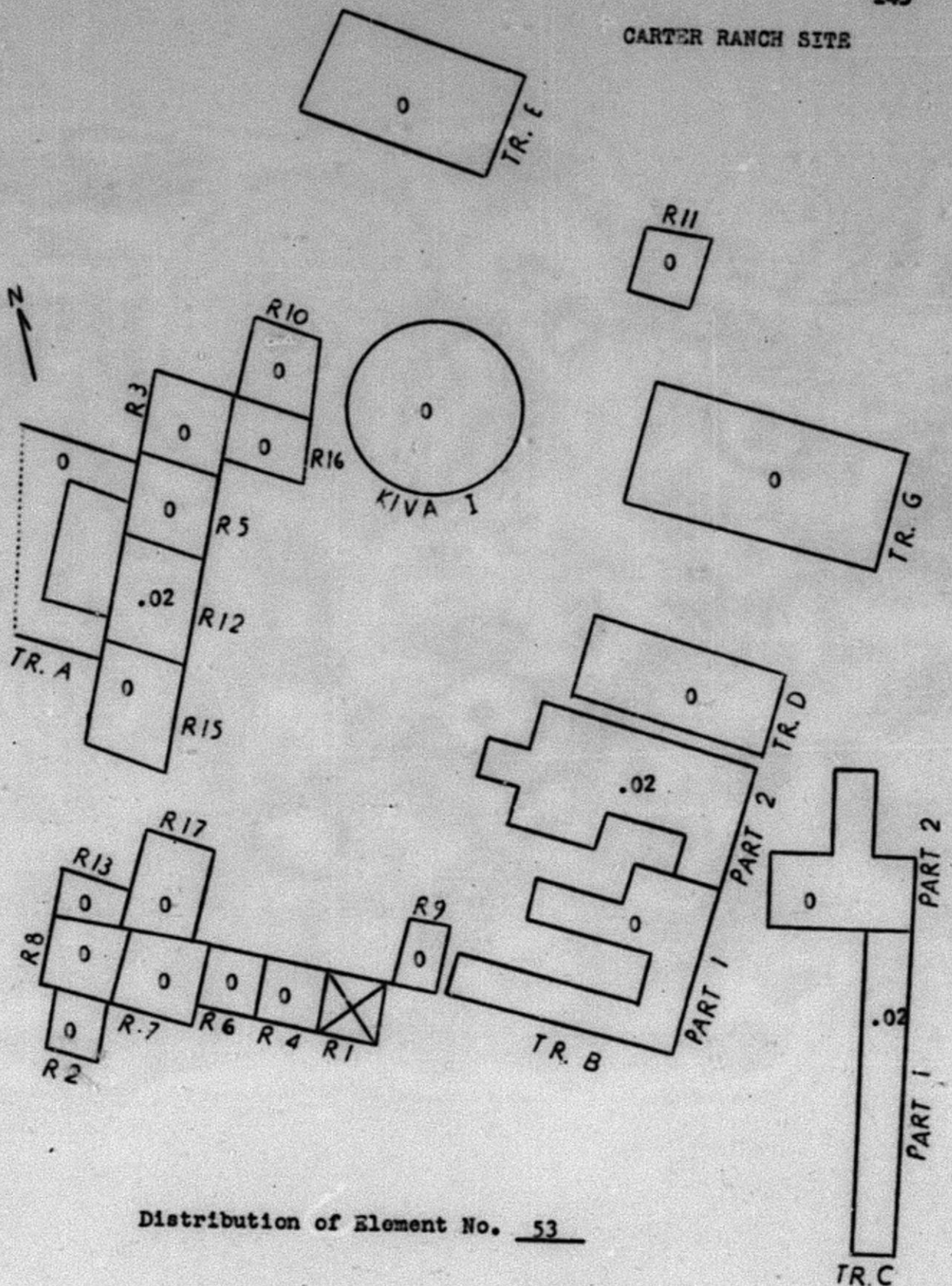
Distribution of Element No. 51

CARTER RANCH SITE



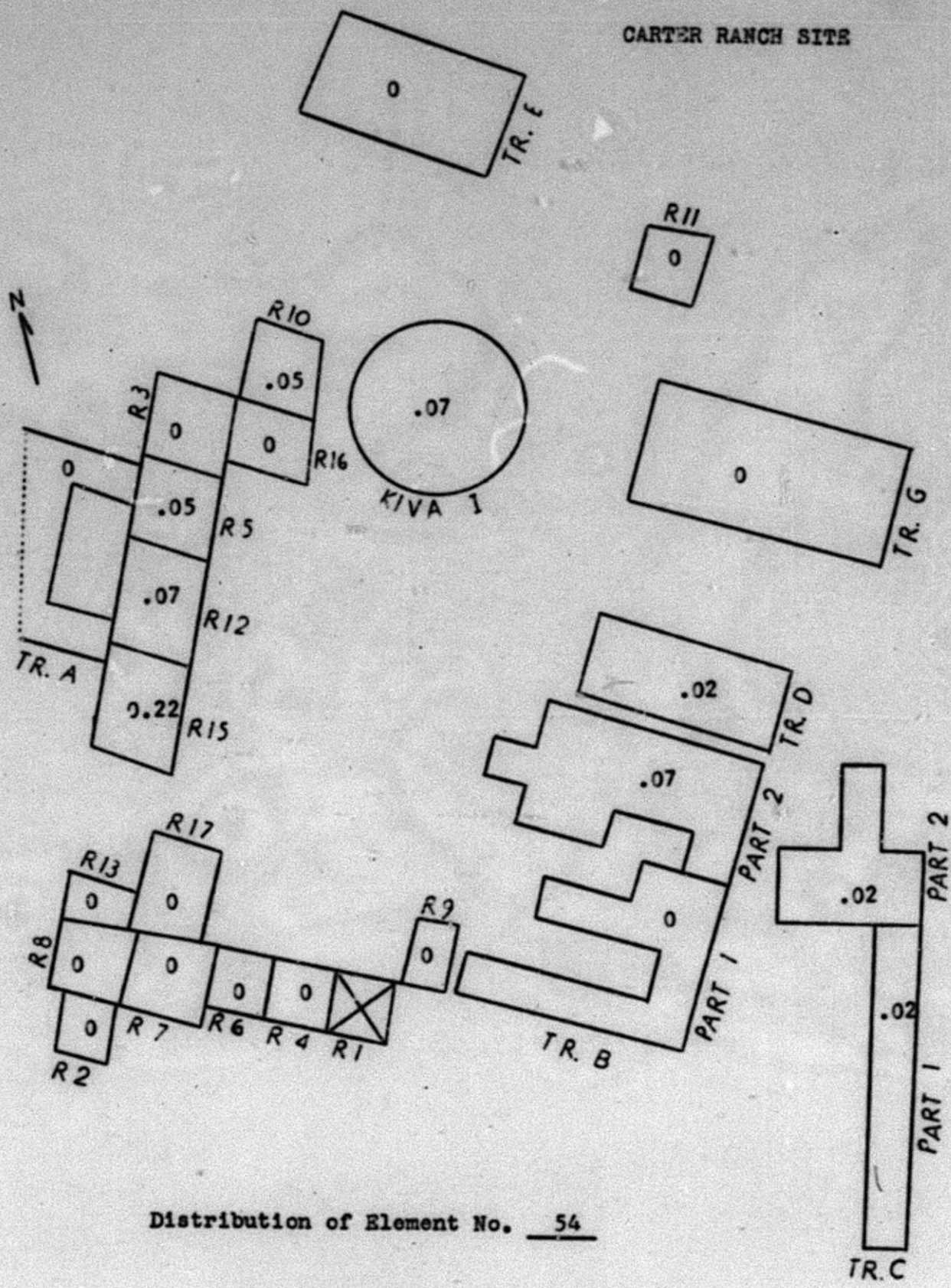
Distribution of Element No. 52

CARTER RANCH SITE



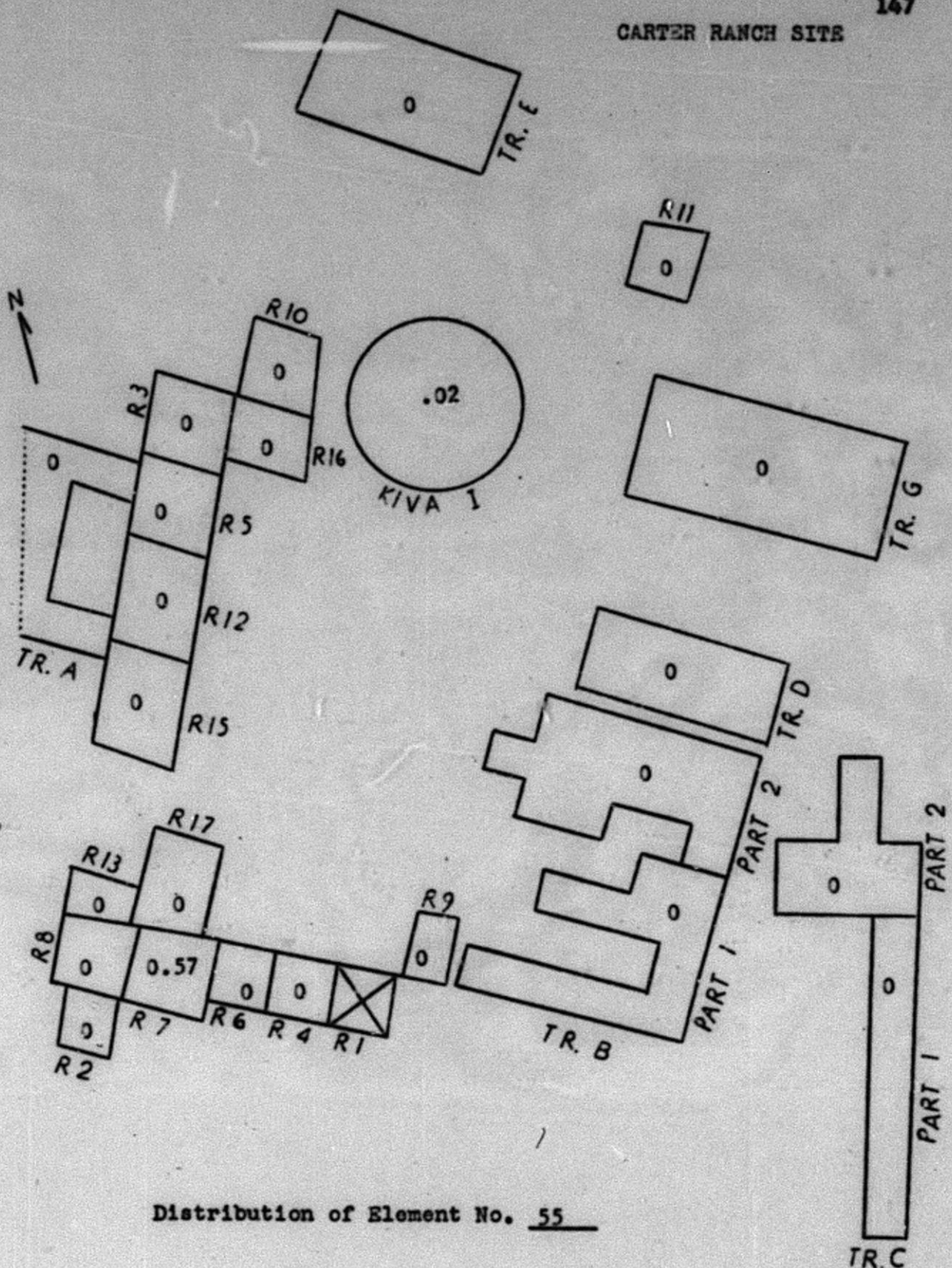
Distribution of Element No. 53

CARTER RANCH SITE



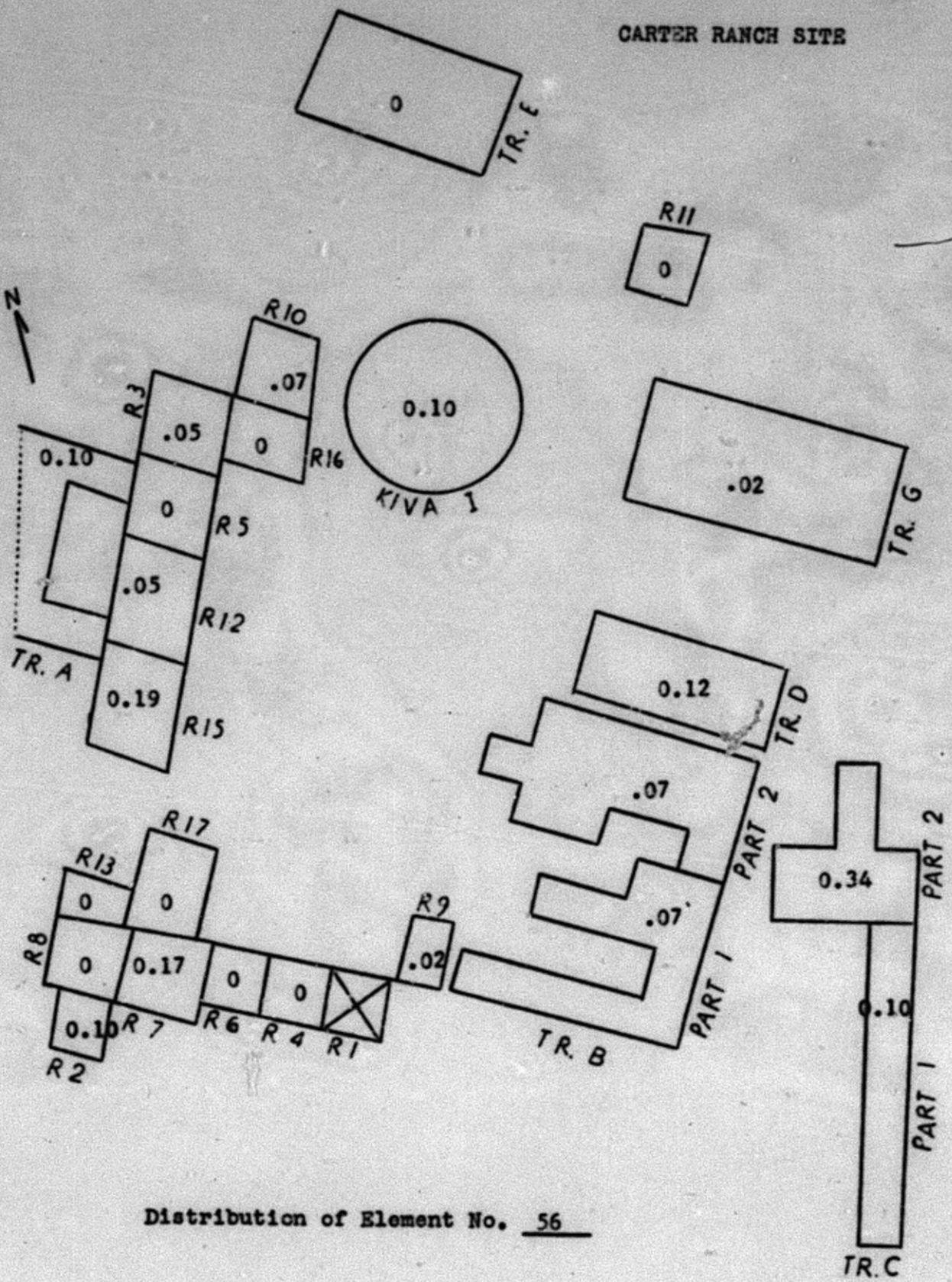
Distribution of Element No. 54

CARTER RANCH SITE



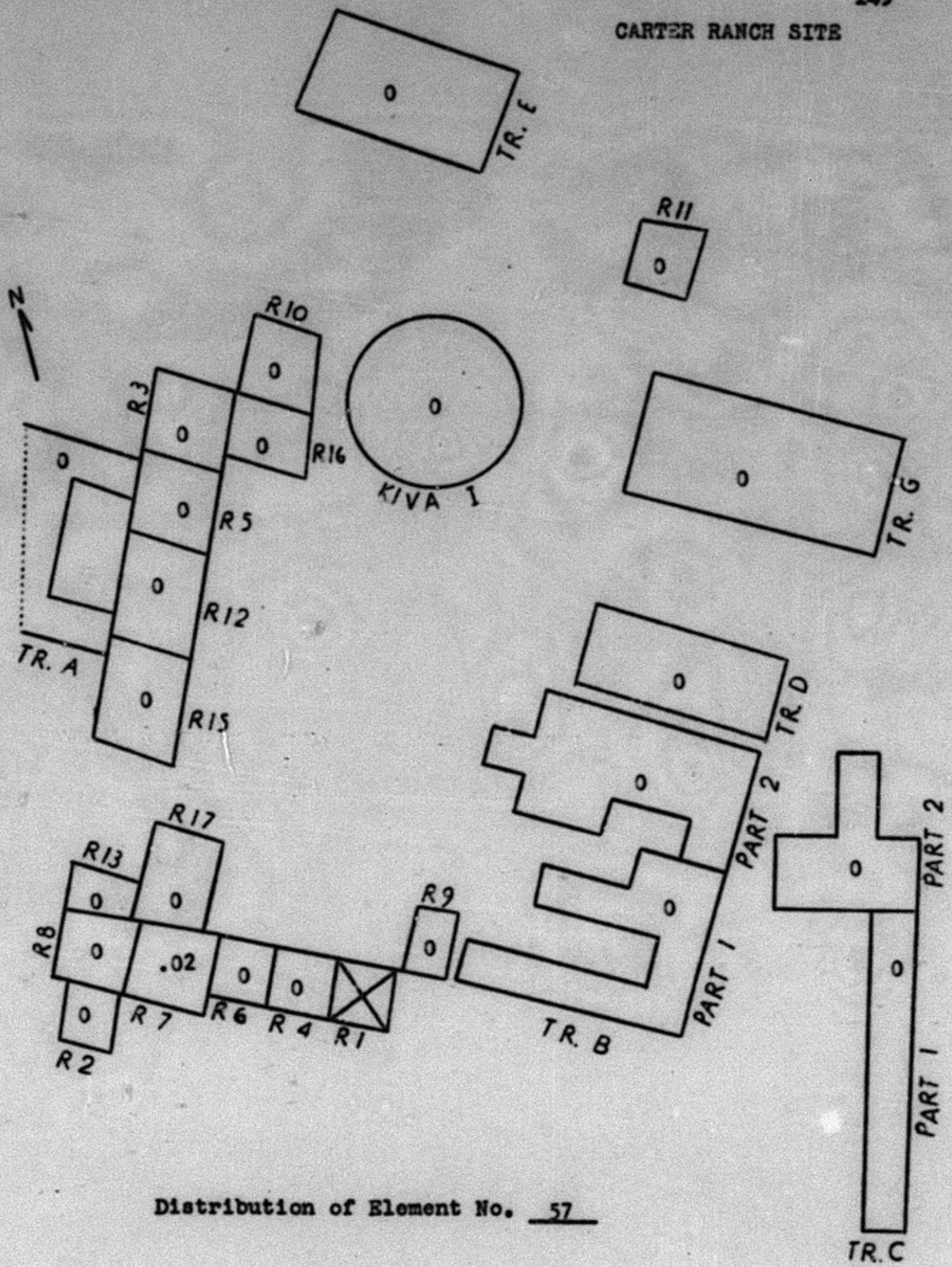
Distribution of Element No. 55

CARTER RANCH SITE



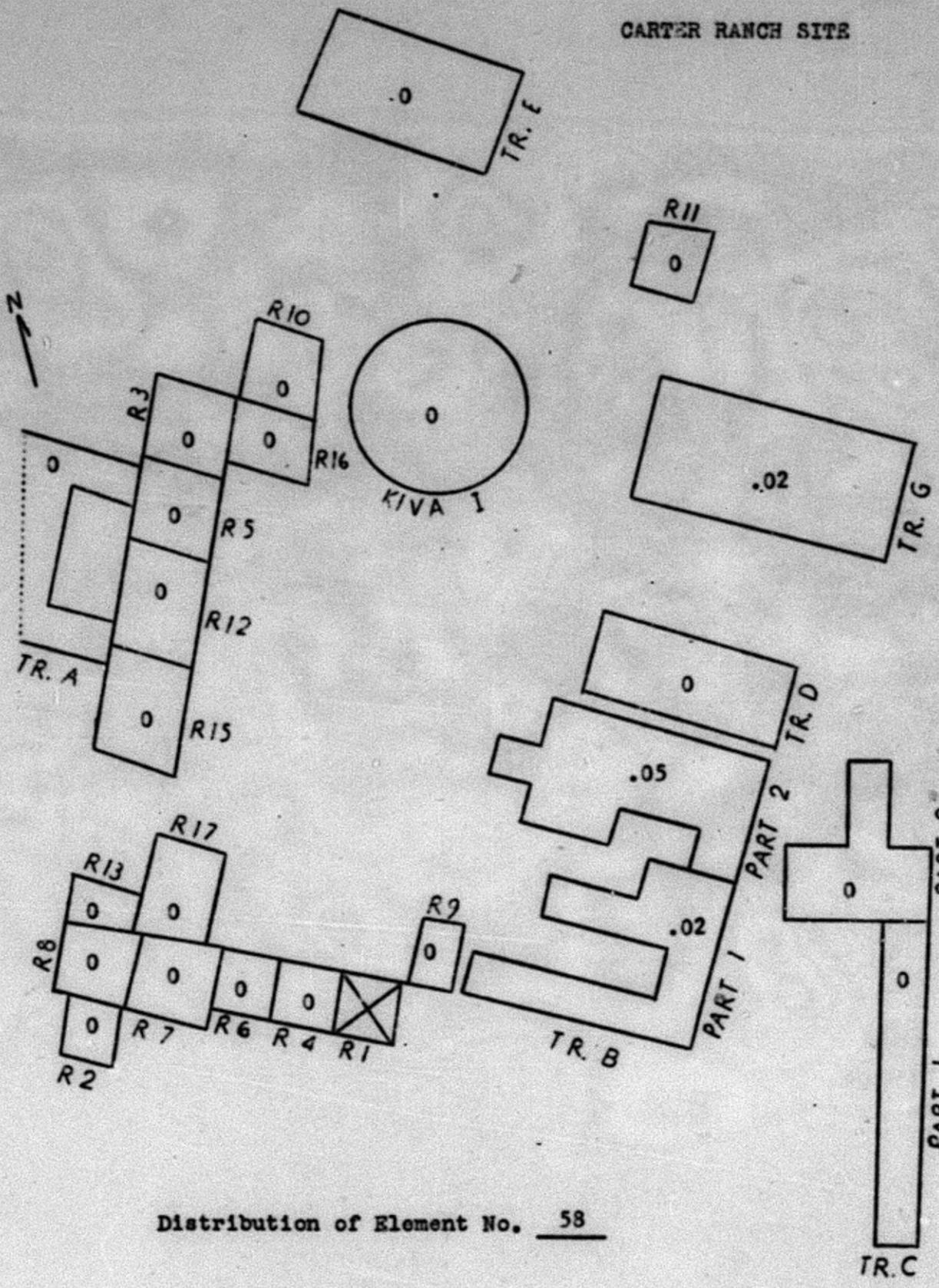
Distribution of Element No. 56

CARTER RANCH SITE



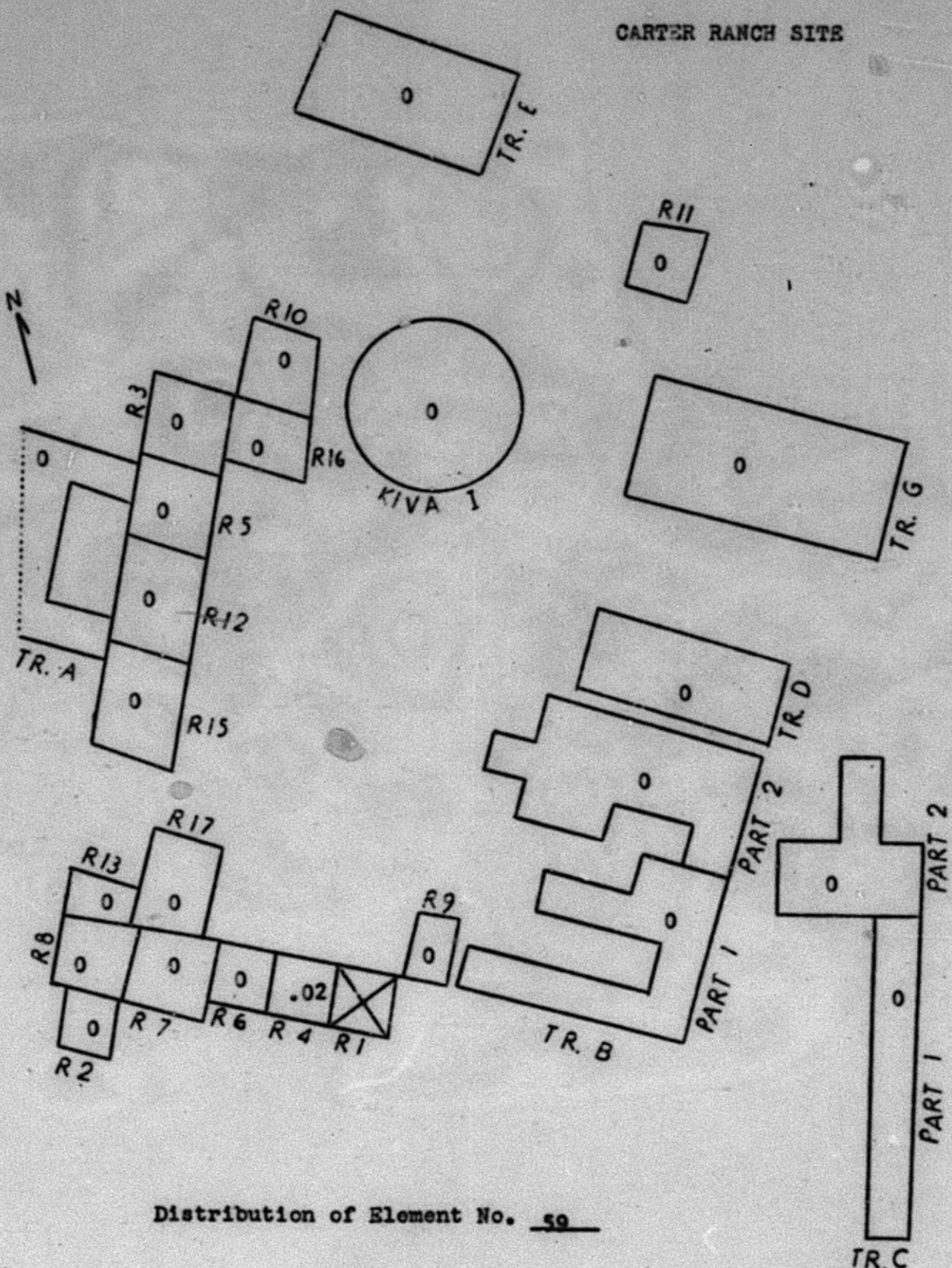
Distribution of Element No. 57

CARTER RANCH SITE



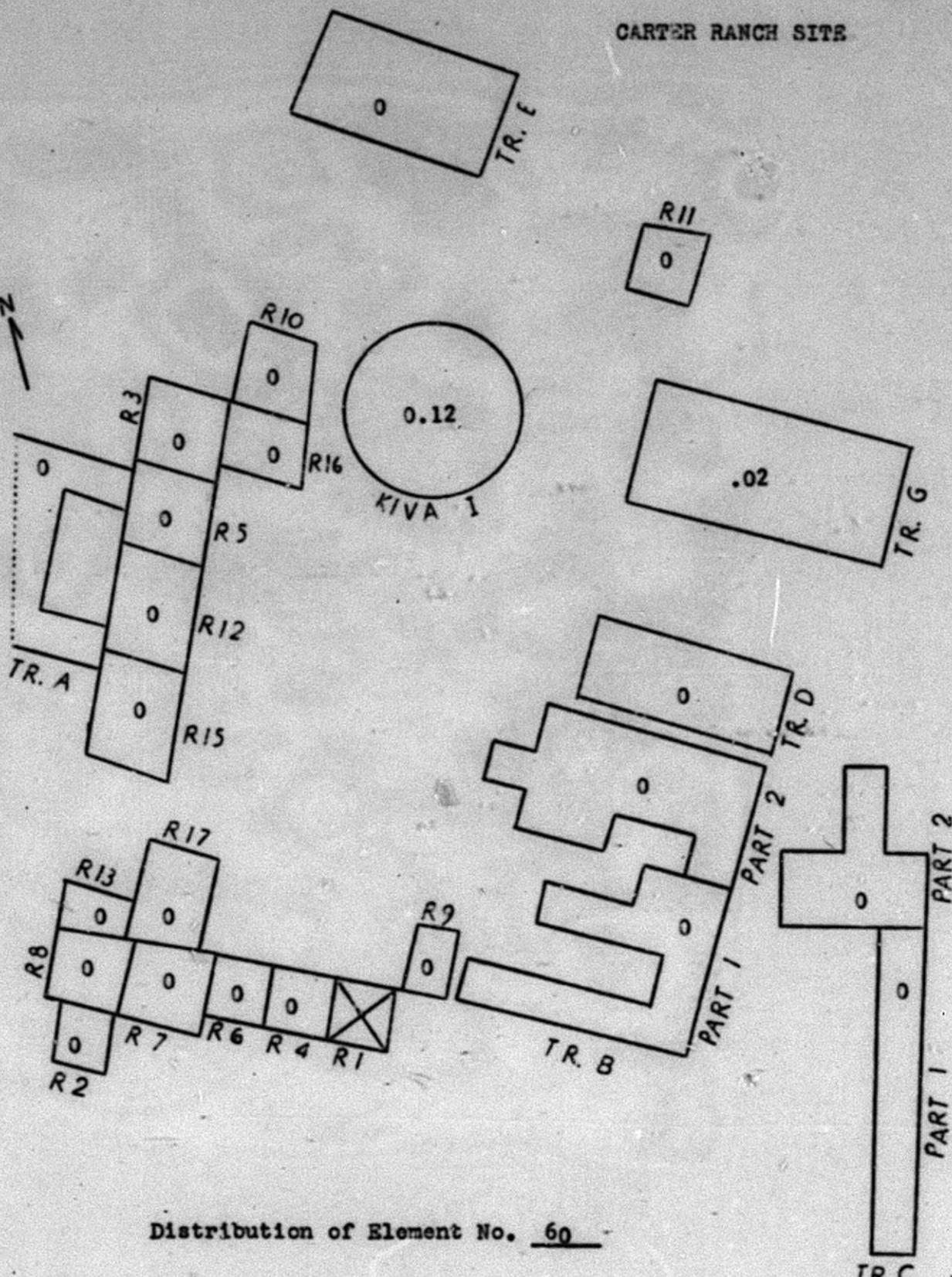
Distribution of Element No. 58

CARTER RANCH SITE



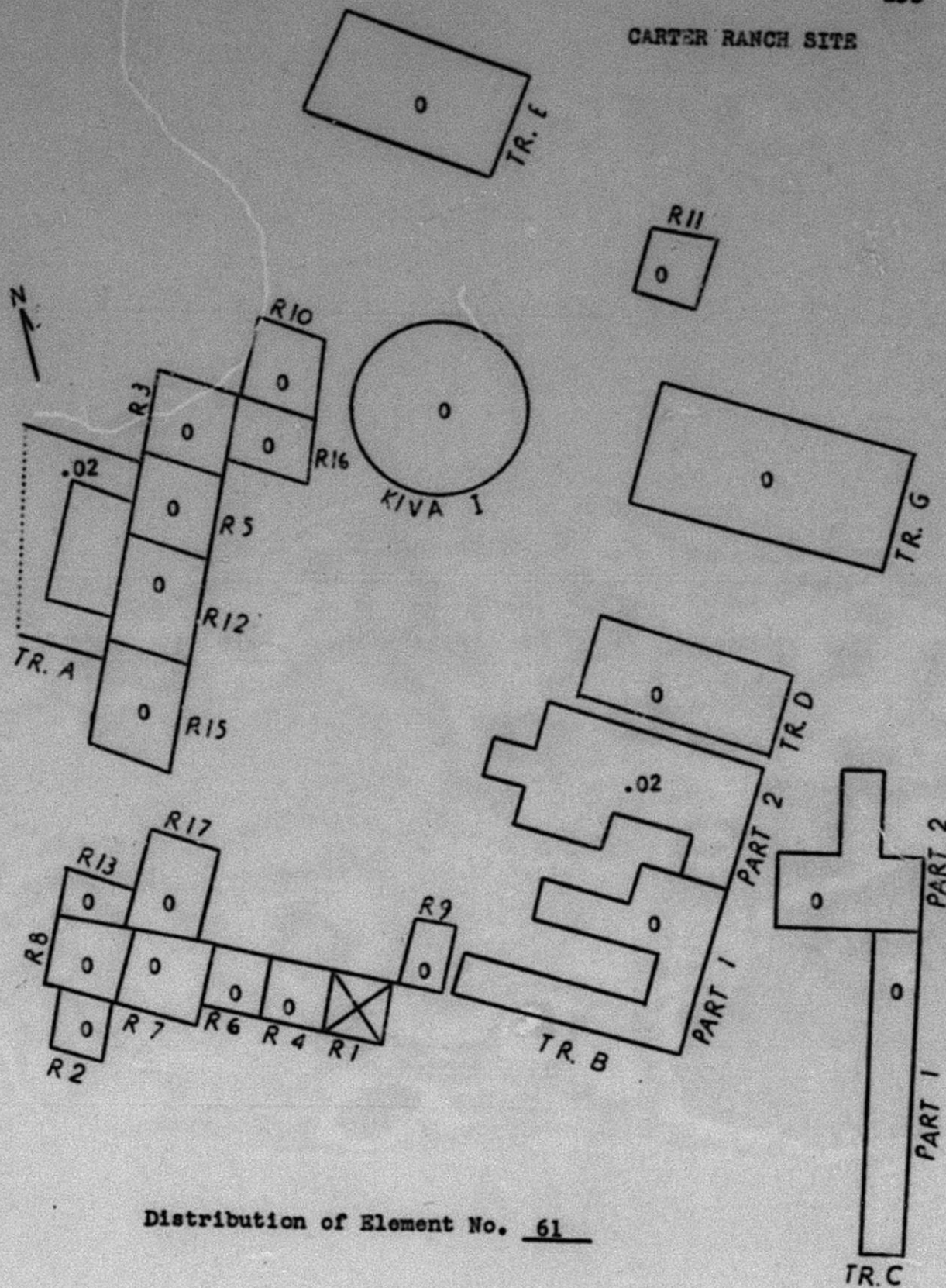
Distribution of Element No. 59

CARTER RANCH SITE



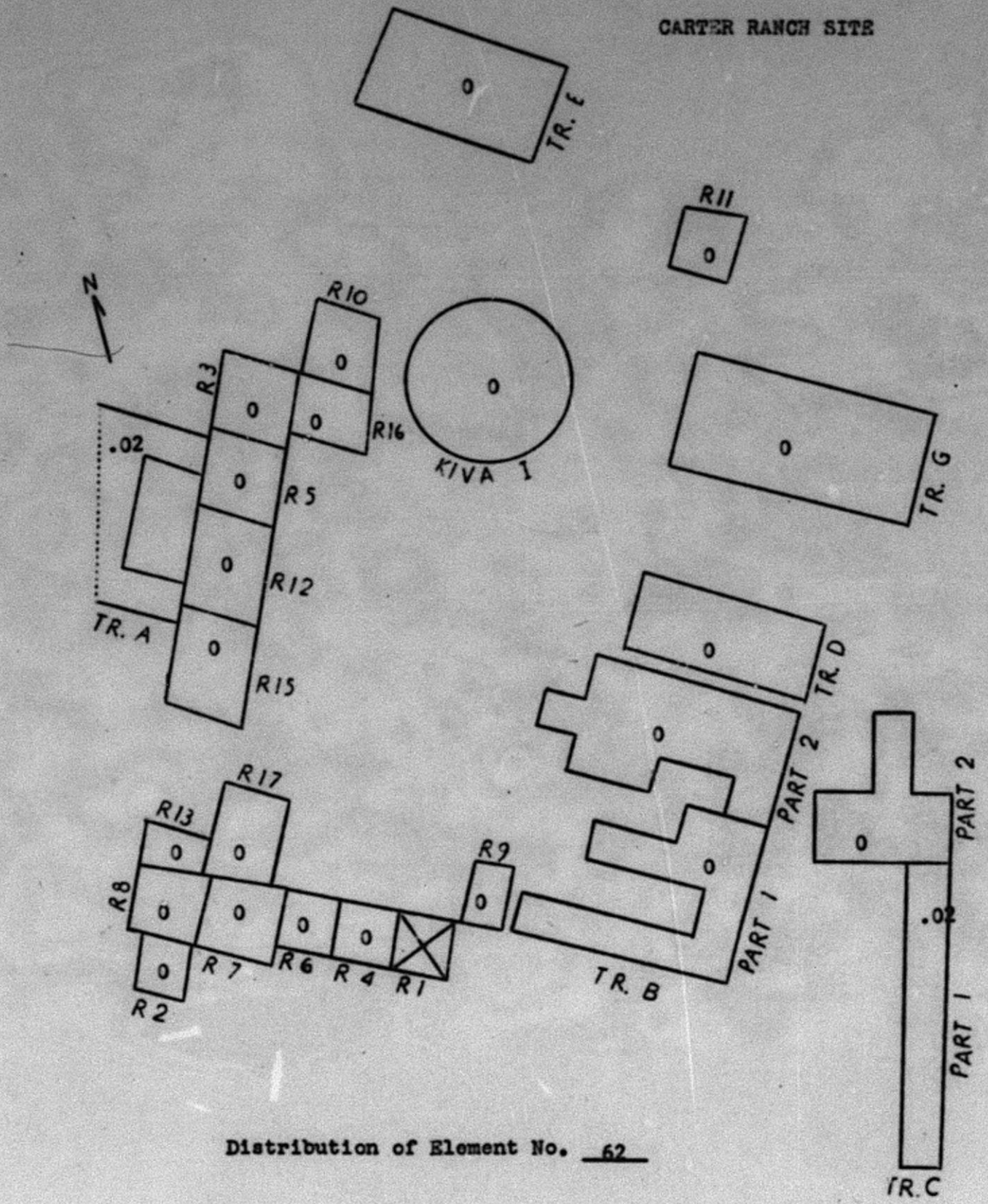
Distribution of Element No. 60

CARTER RANCH SITE



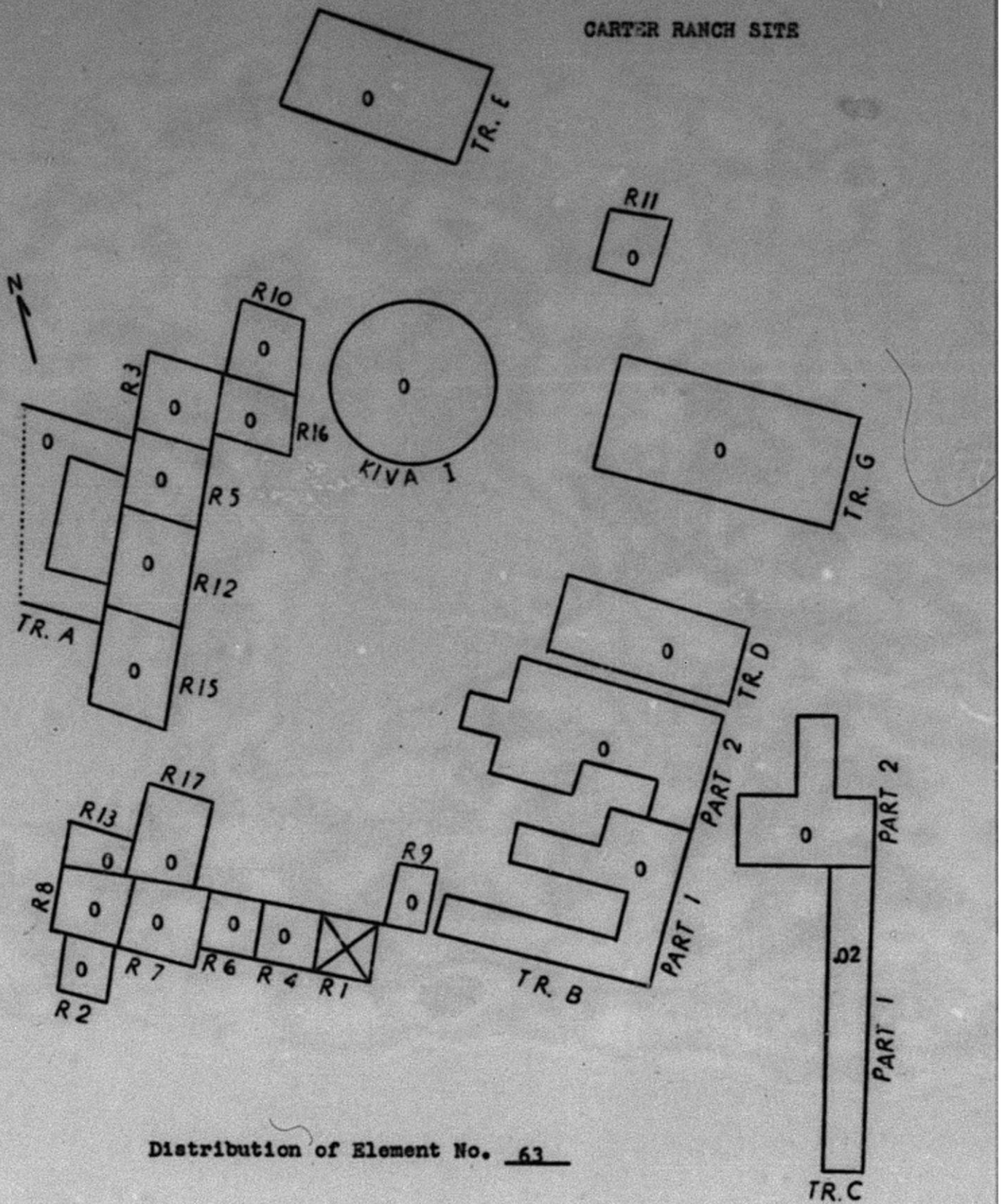
Distribution of Element No. 61

CARTER RANCH SITE



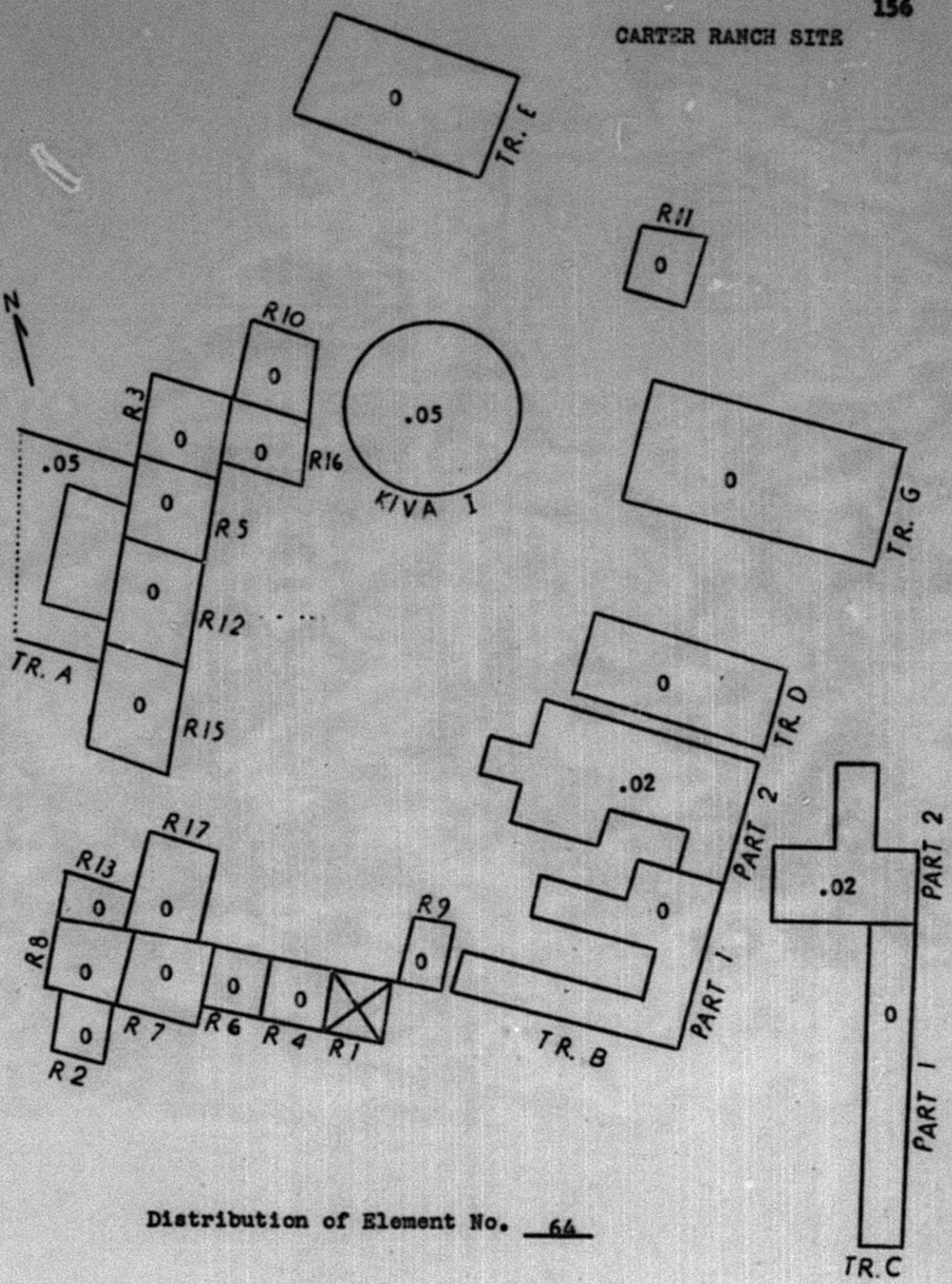
Distribution of Element No. 62

CARTER RANCH SITE



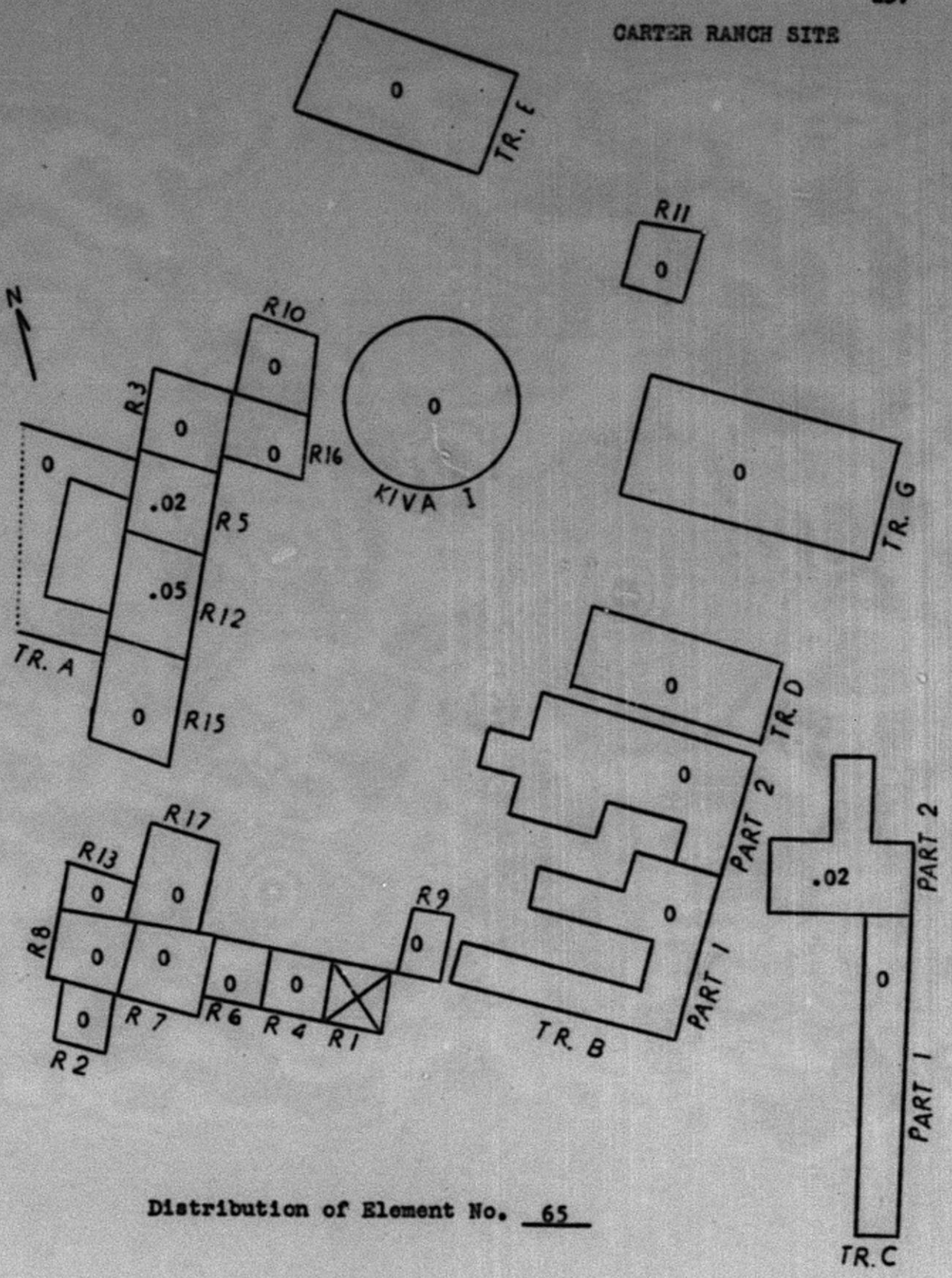
Distribution of Element No. 63

CARTER RANCH SITE



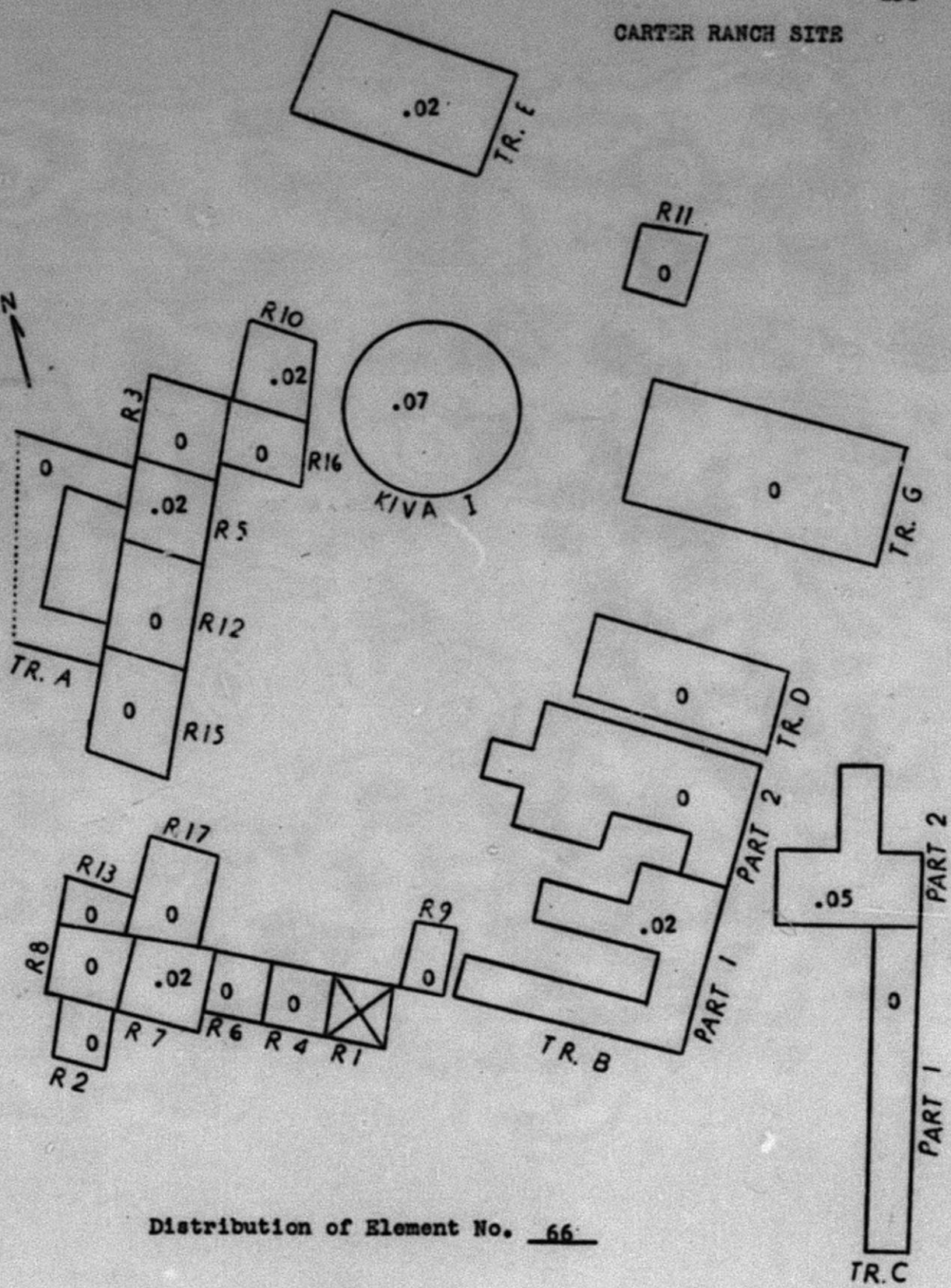
Distribution of Element No. 64

CARTER RANCH SITE



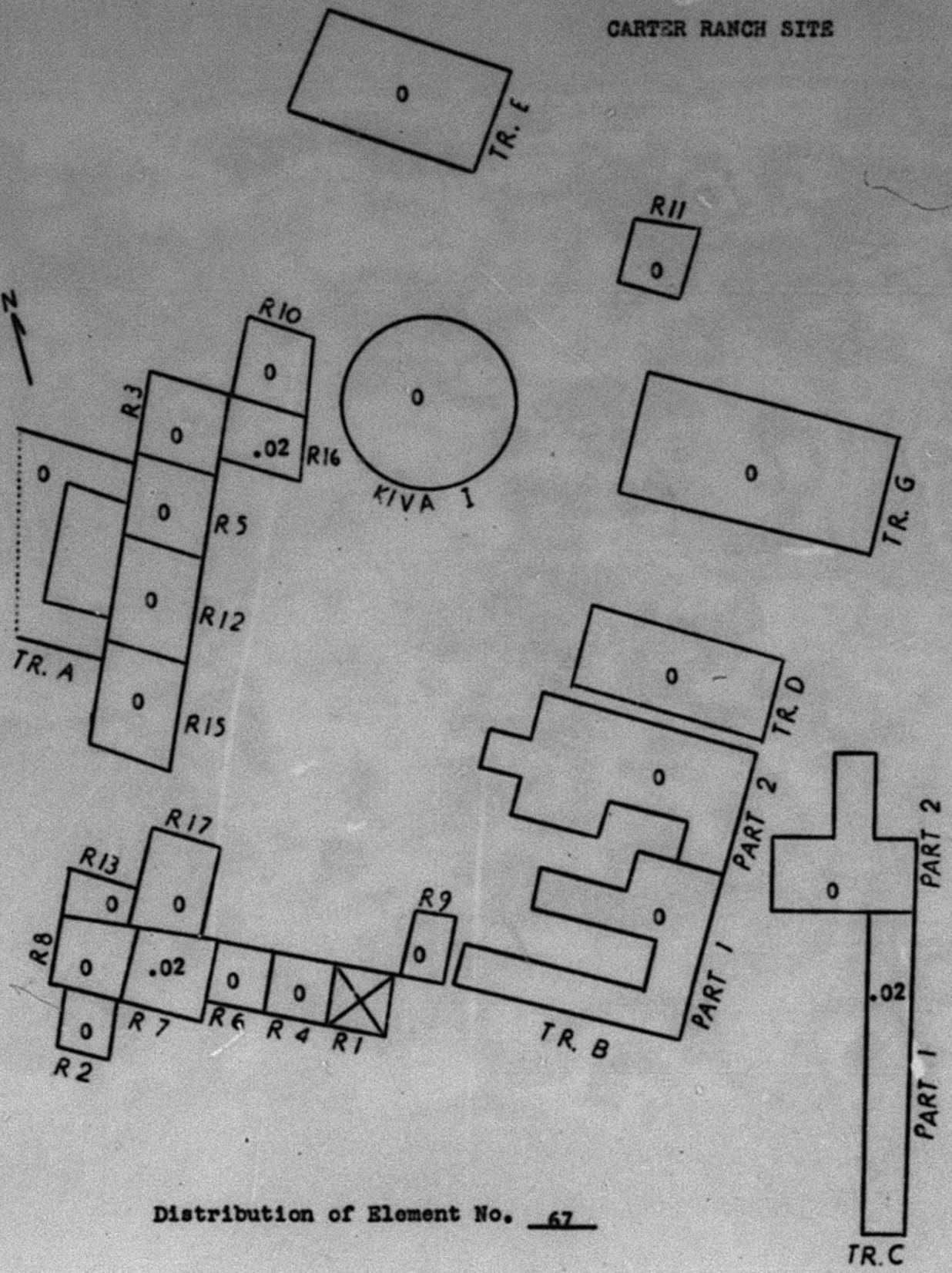
Distribution of Element No. 65

CARTER RANCH SITE



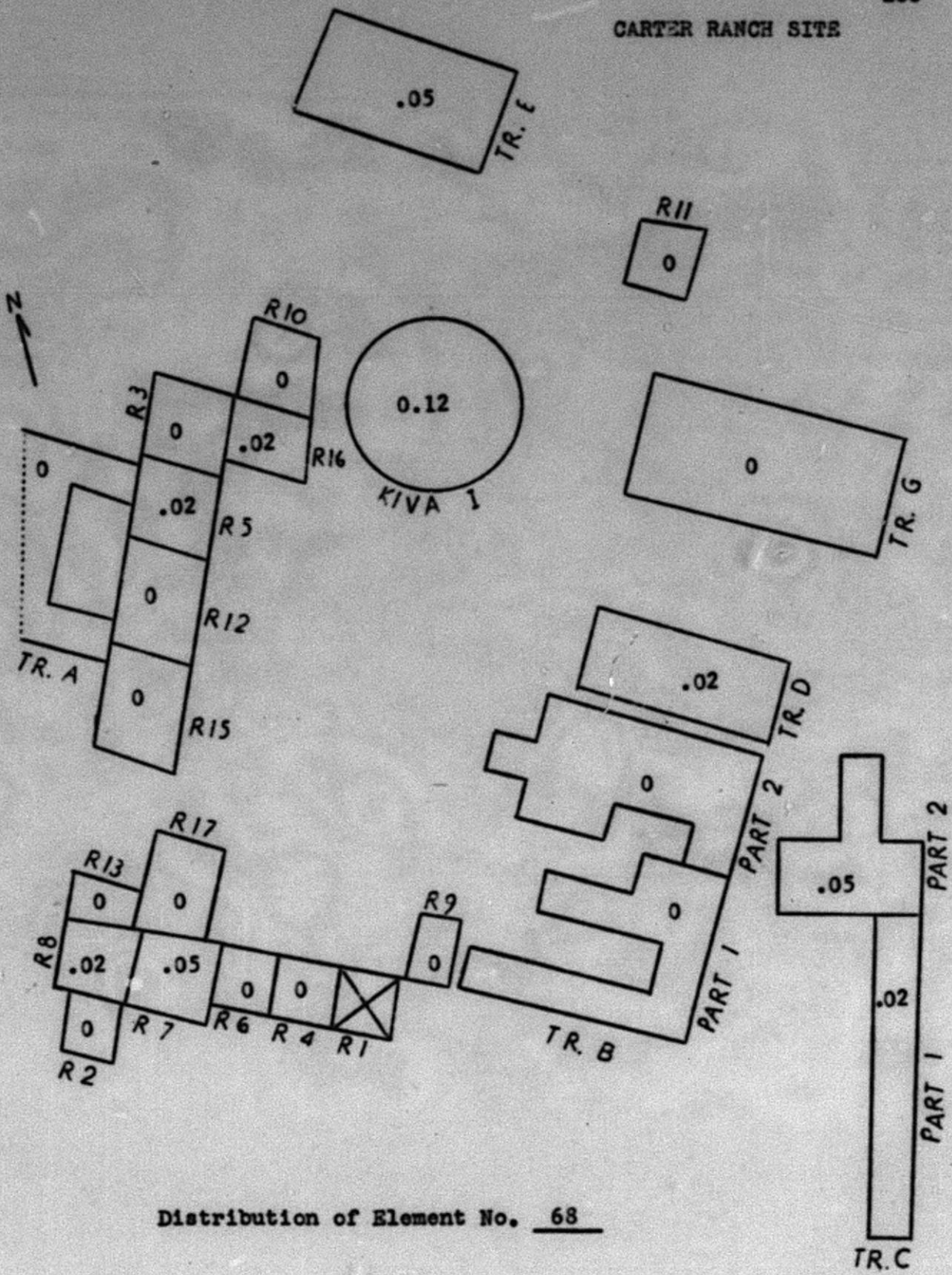
Distribution of Element No. 66

CARTER RANCH SITE



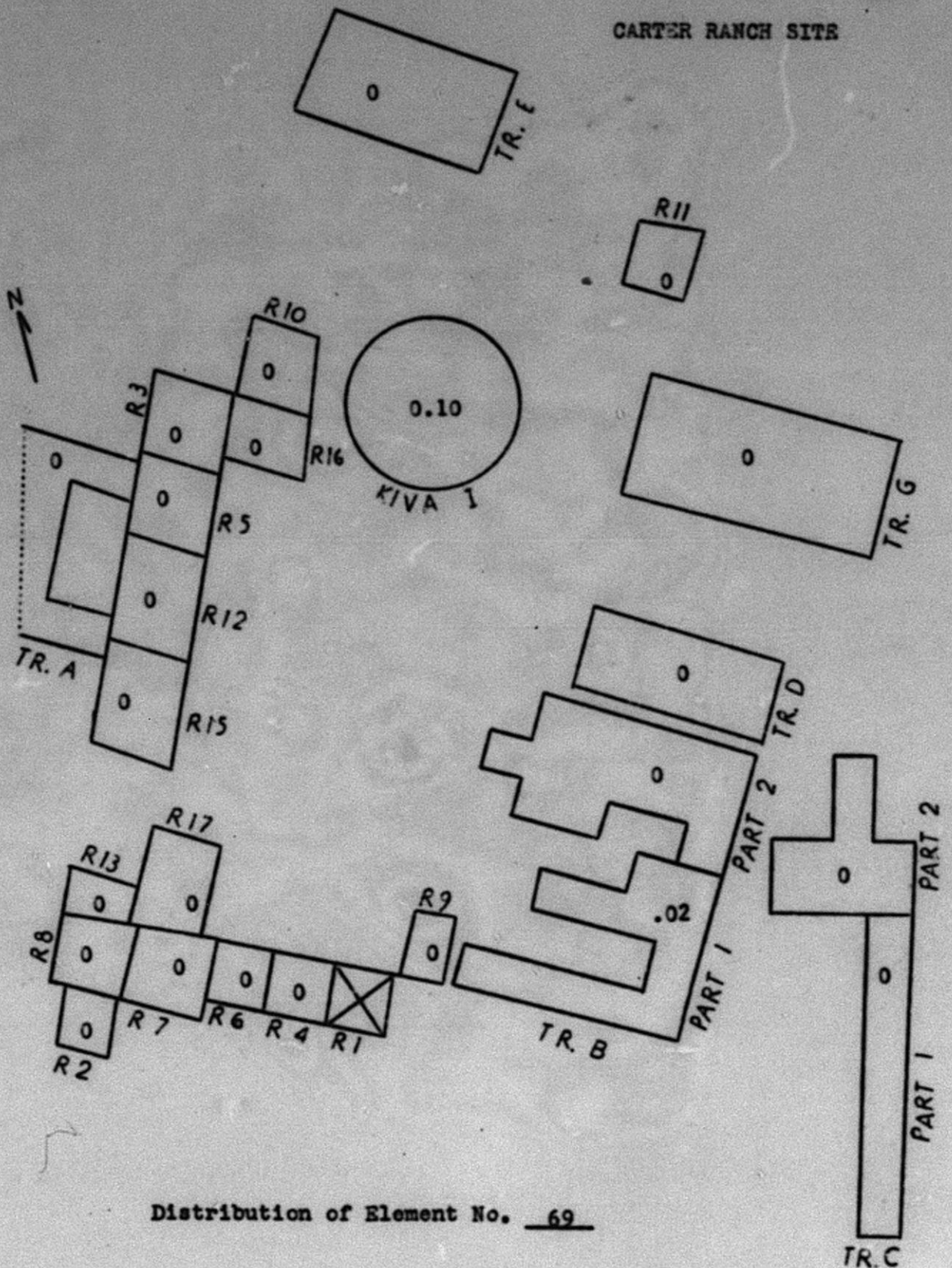
Distribution of Element No. 67

CARTER RANCH SITE



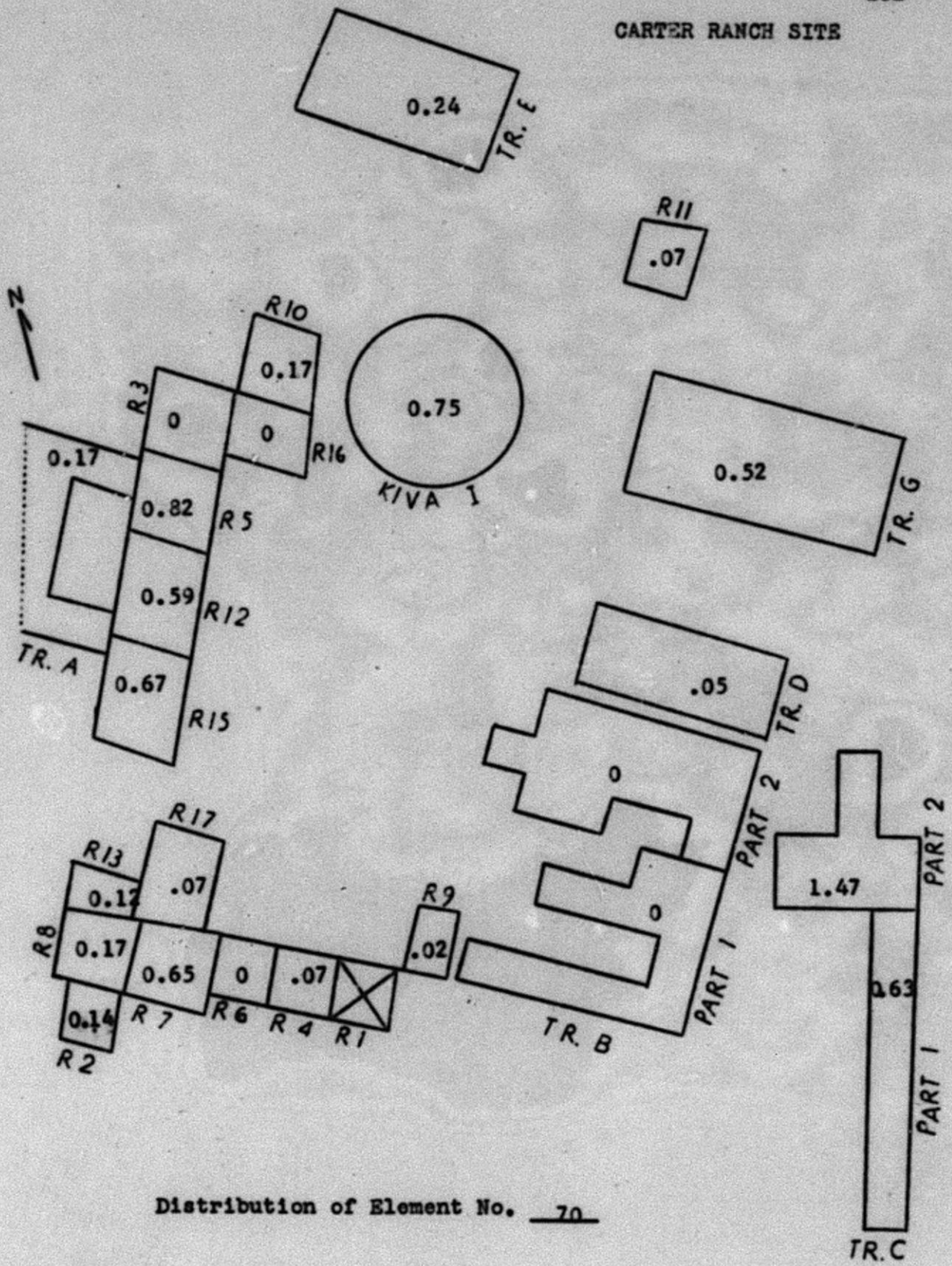
Distribution of Element No. 68

CARTER RANCH SITE



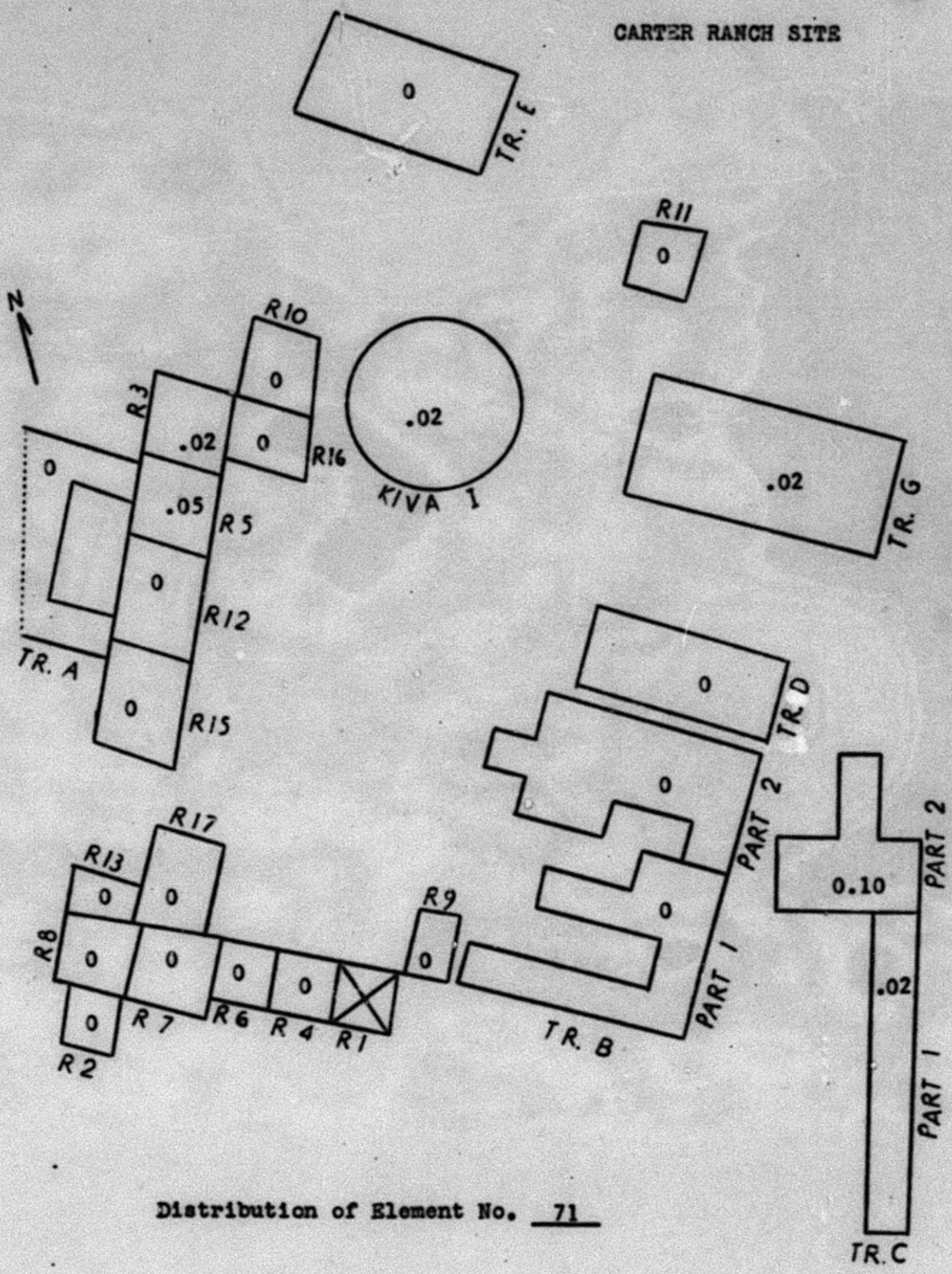
Distribution of Element No. 69

CARTER RANCH SITE



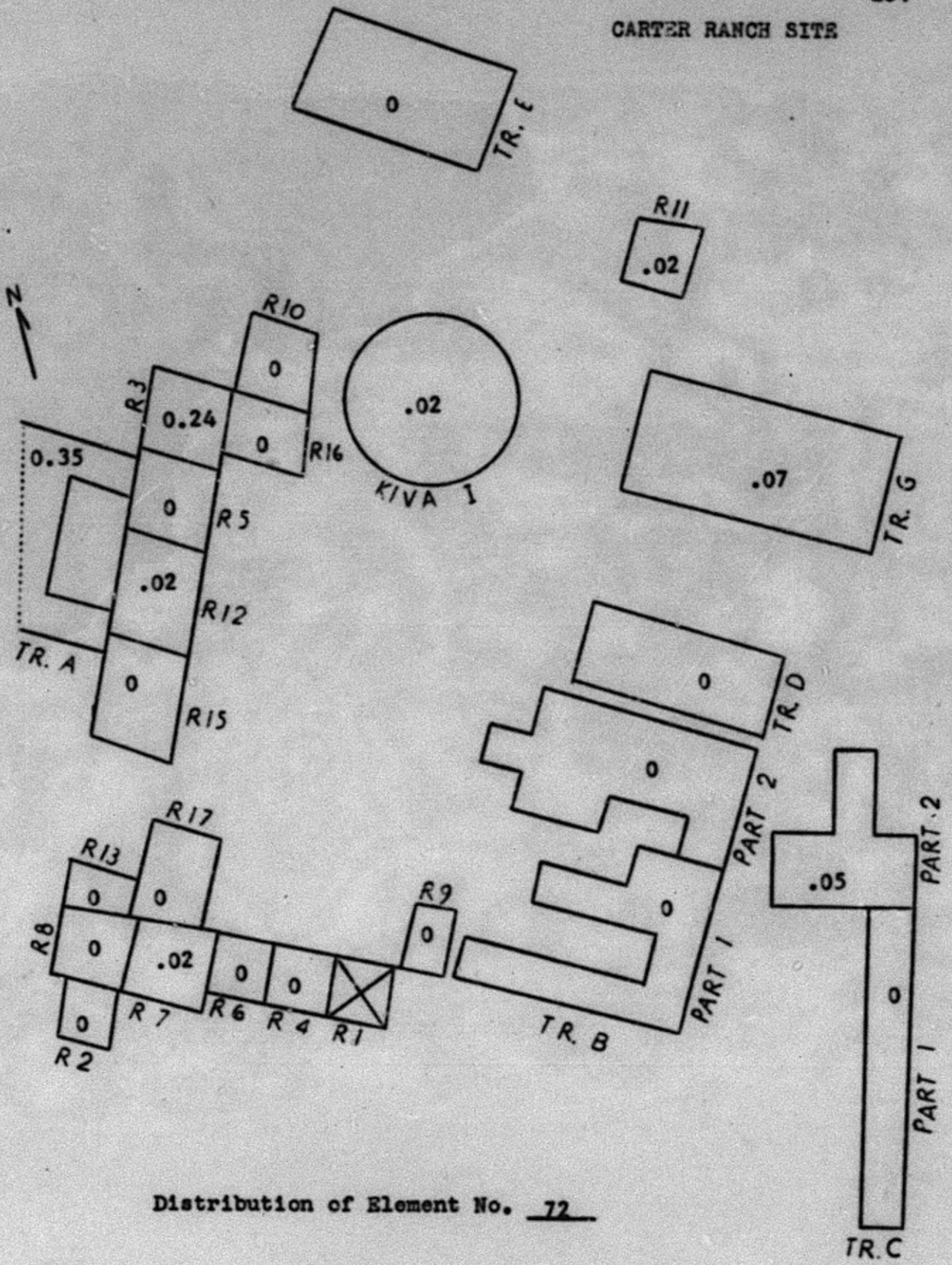
Distribution of Element No. 70

CARTER RANCH SITE



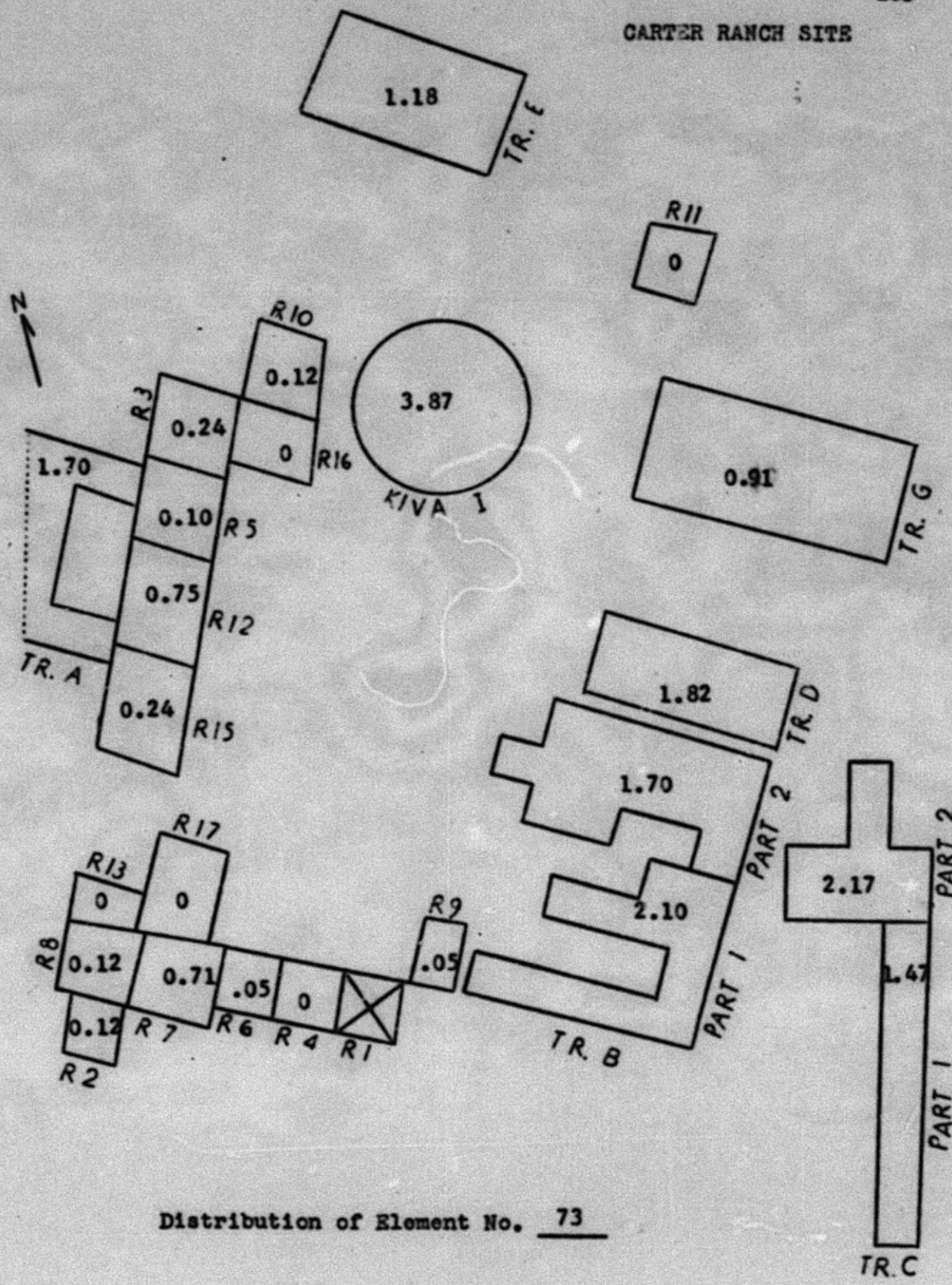
Distribution of Element No. 71

CARTER RANCH SITE



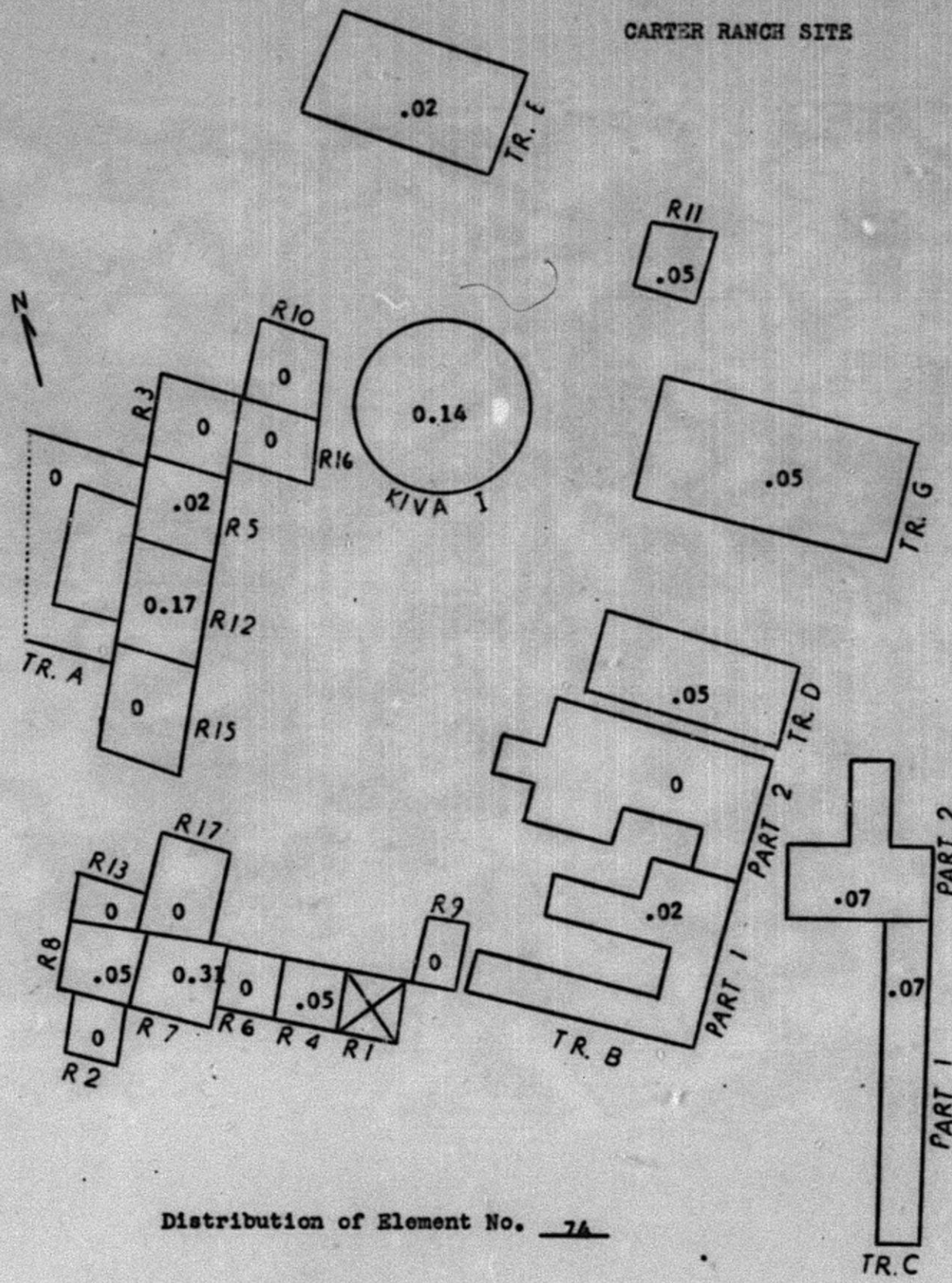
Distribution of Element No. 72

CARTER RANCH SITE



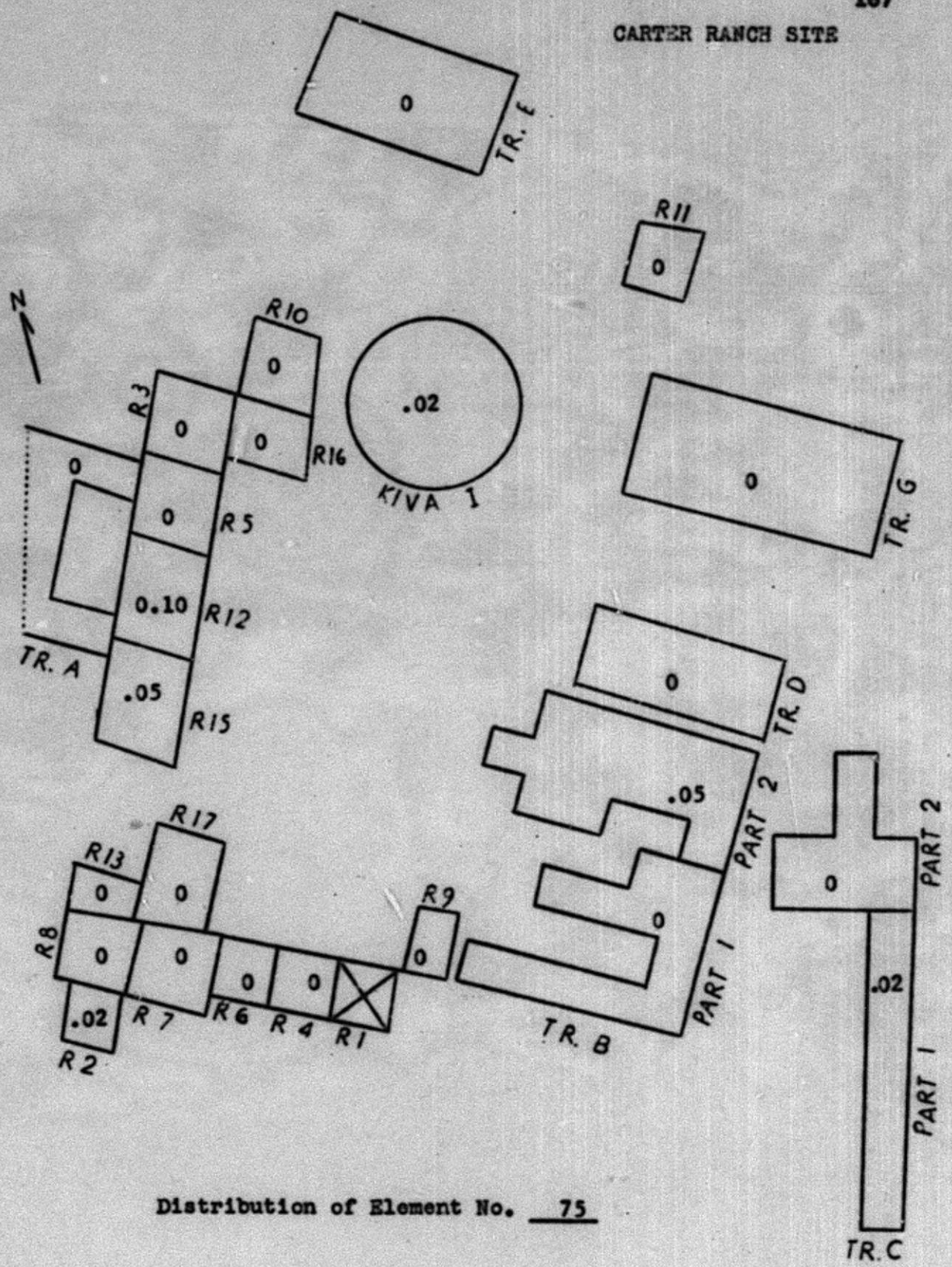
Distribution of Element No. 73

CARTER RANCH SITE



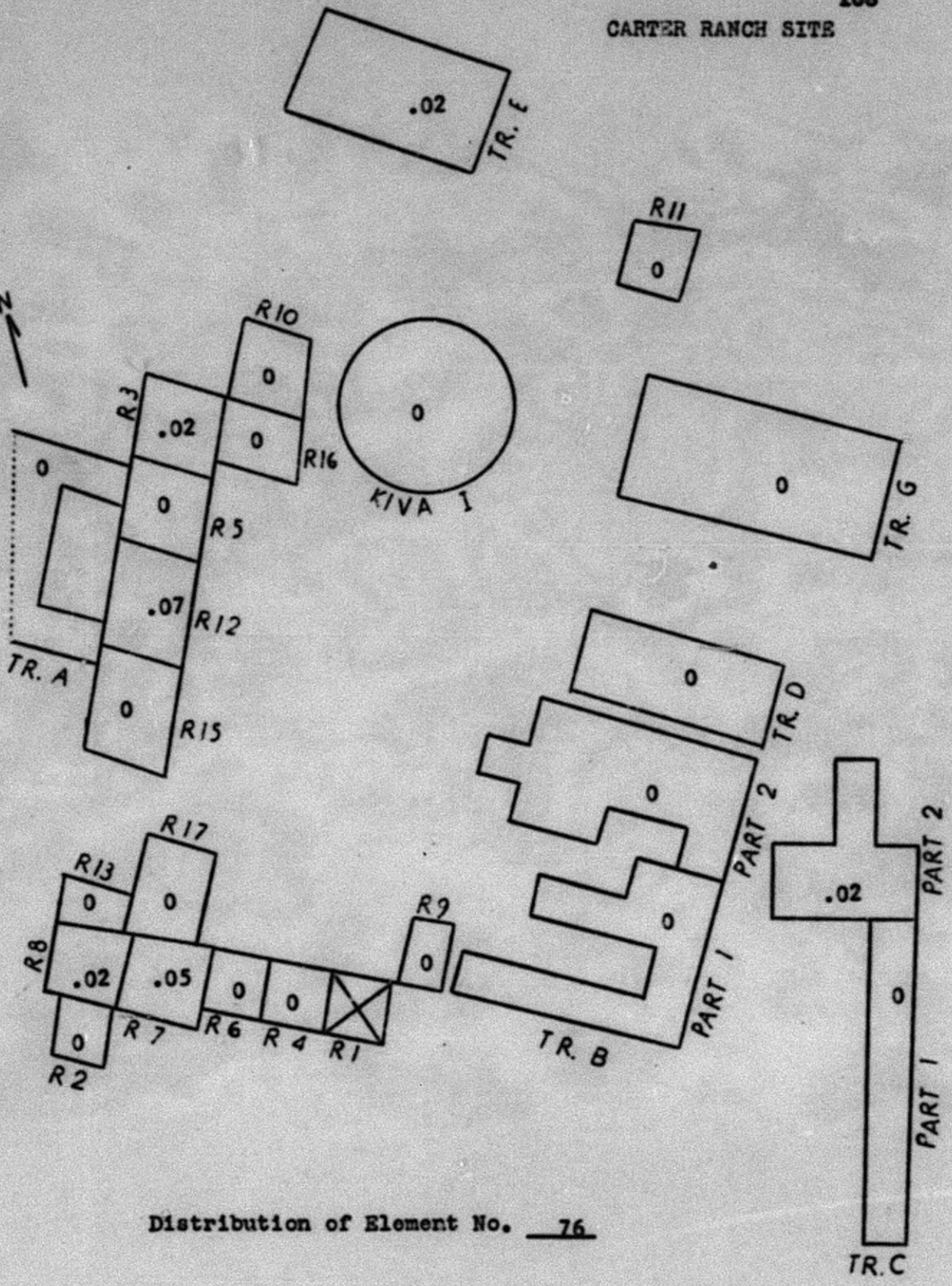
Distribution of Element No. 74

CARTER RANCH SITE



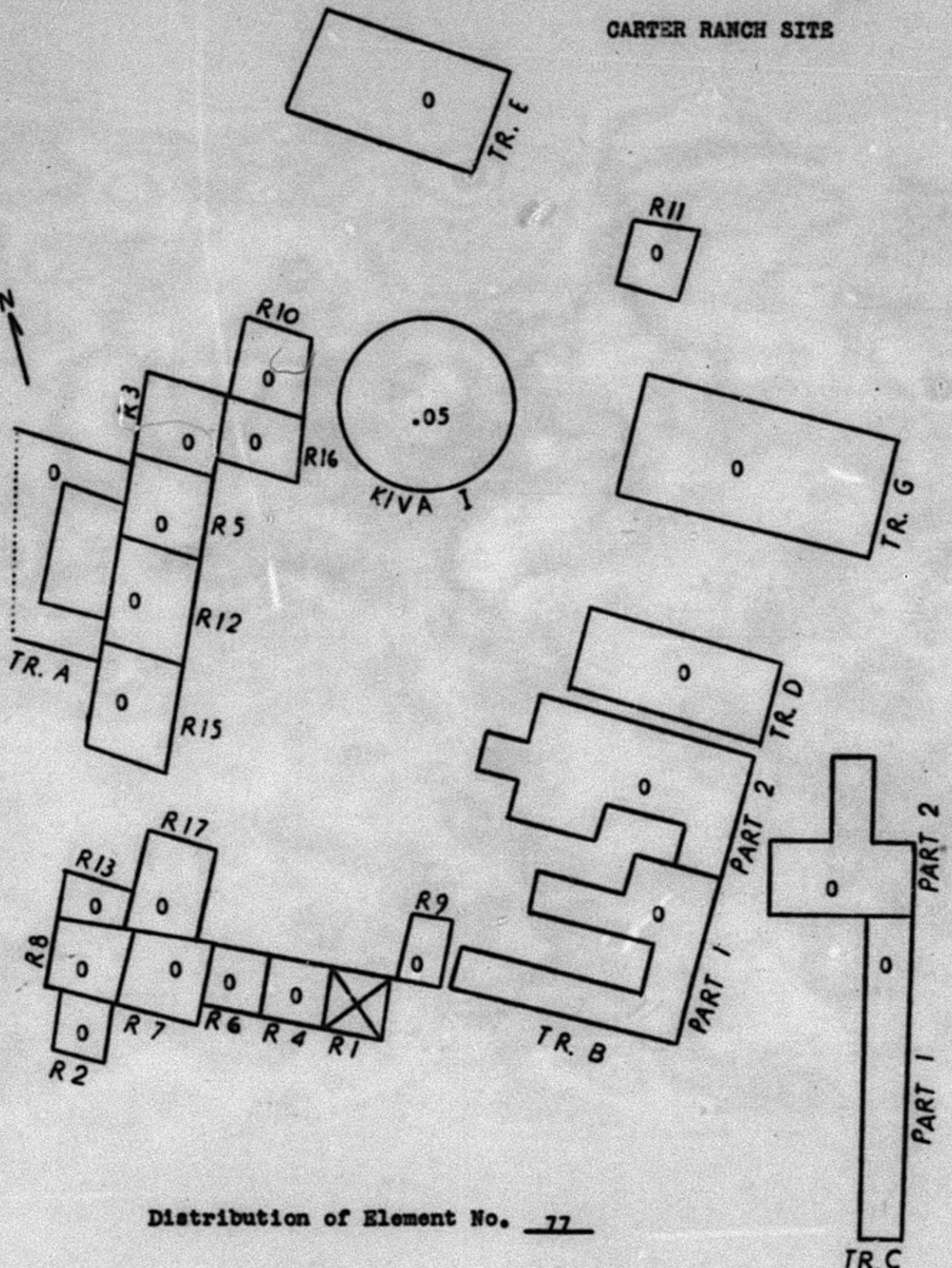
Distribution of Element No. 75

CARTER RANCH SITE



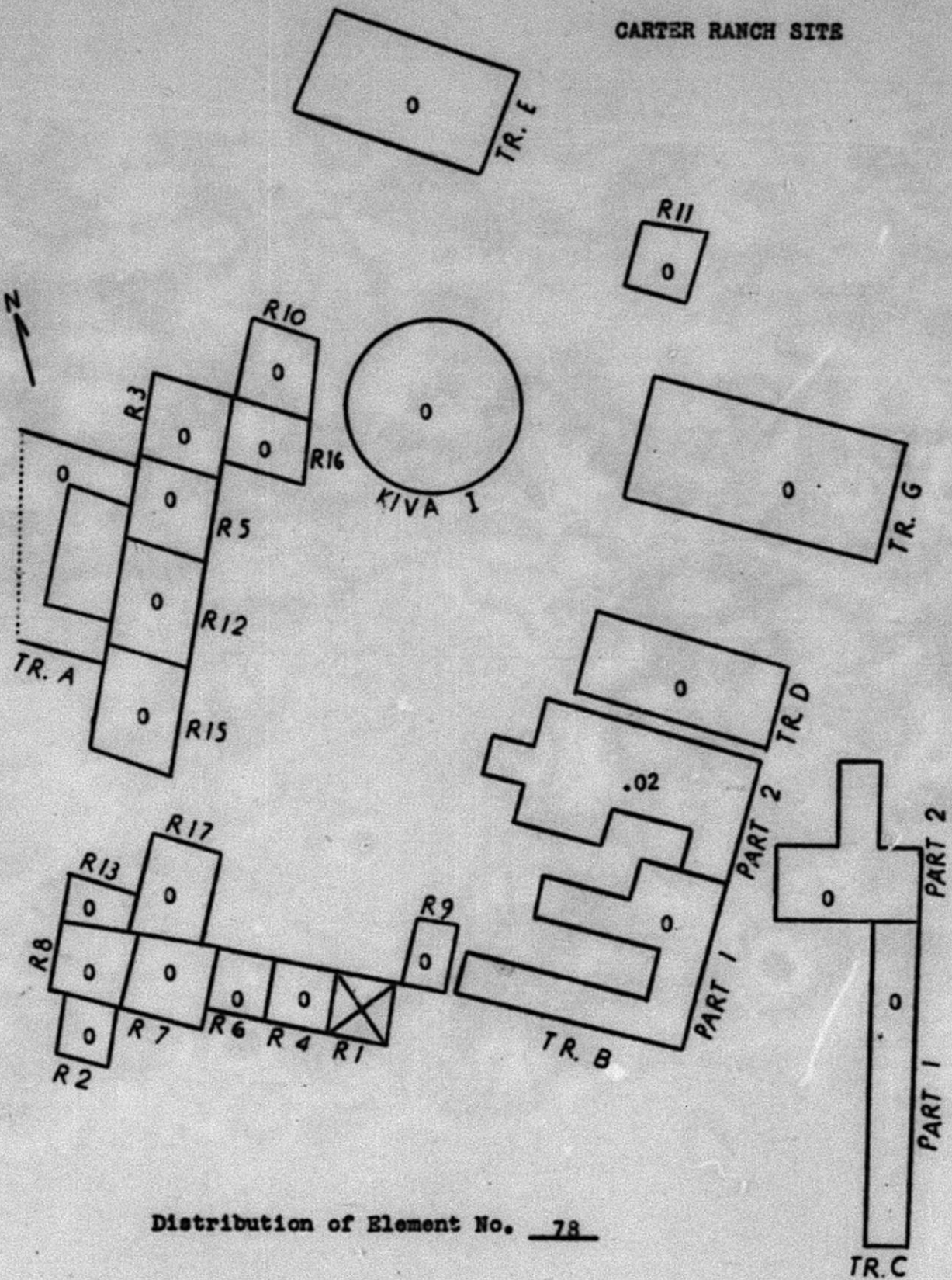
Distribution of Element No. 76

CARTER RANCH SITE



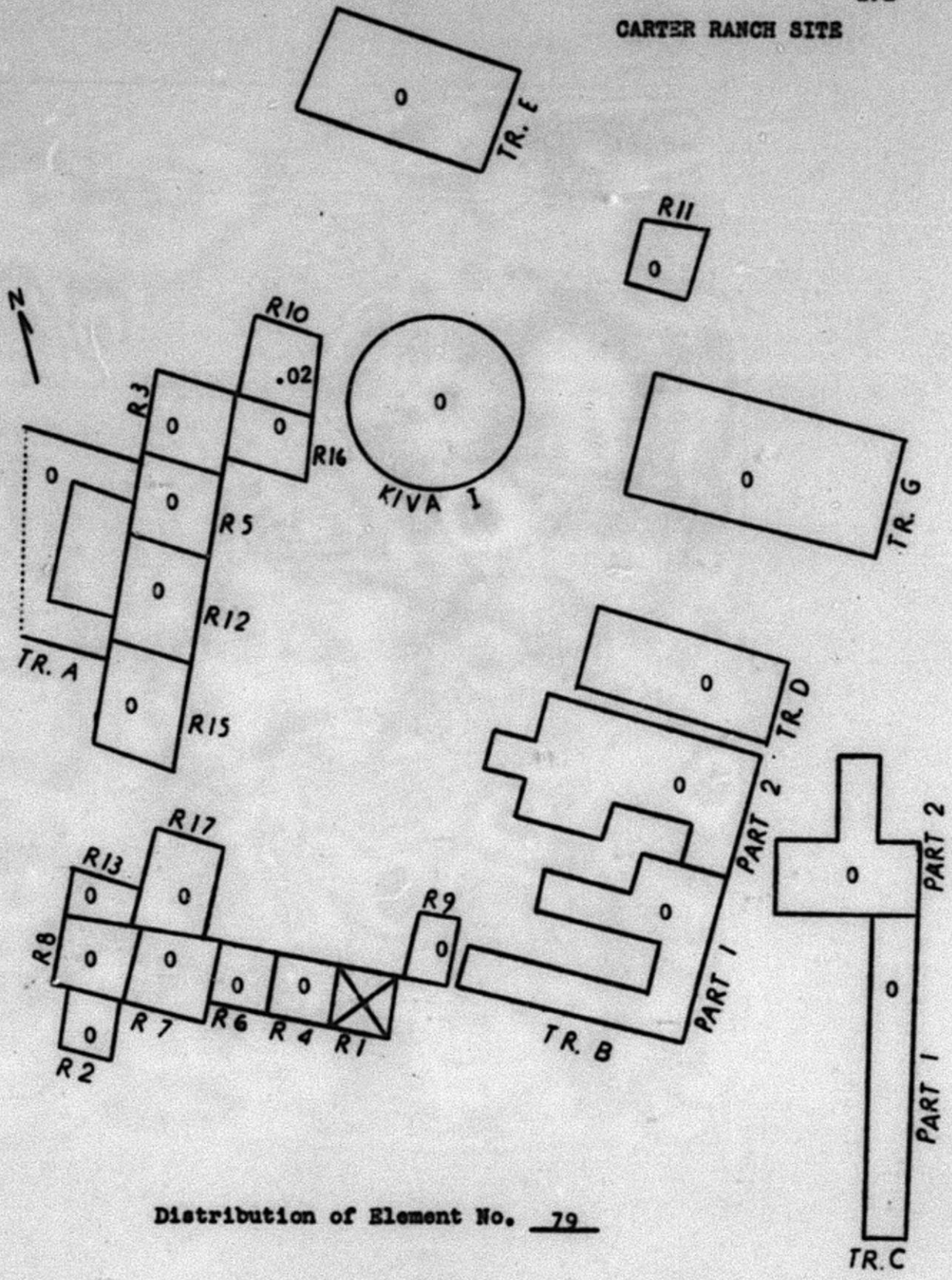
Distribution of Element No. 77

CARTER RANCH SITE



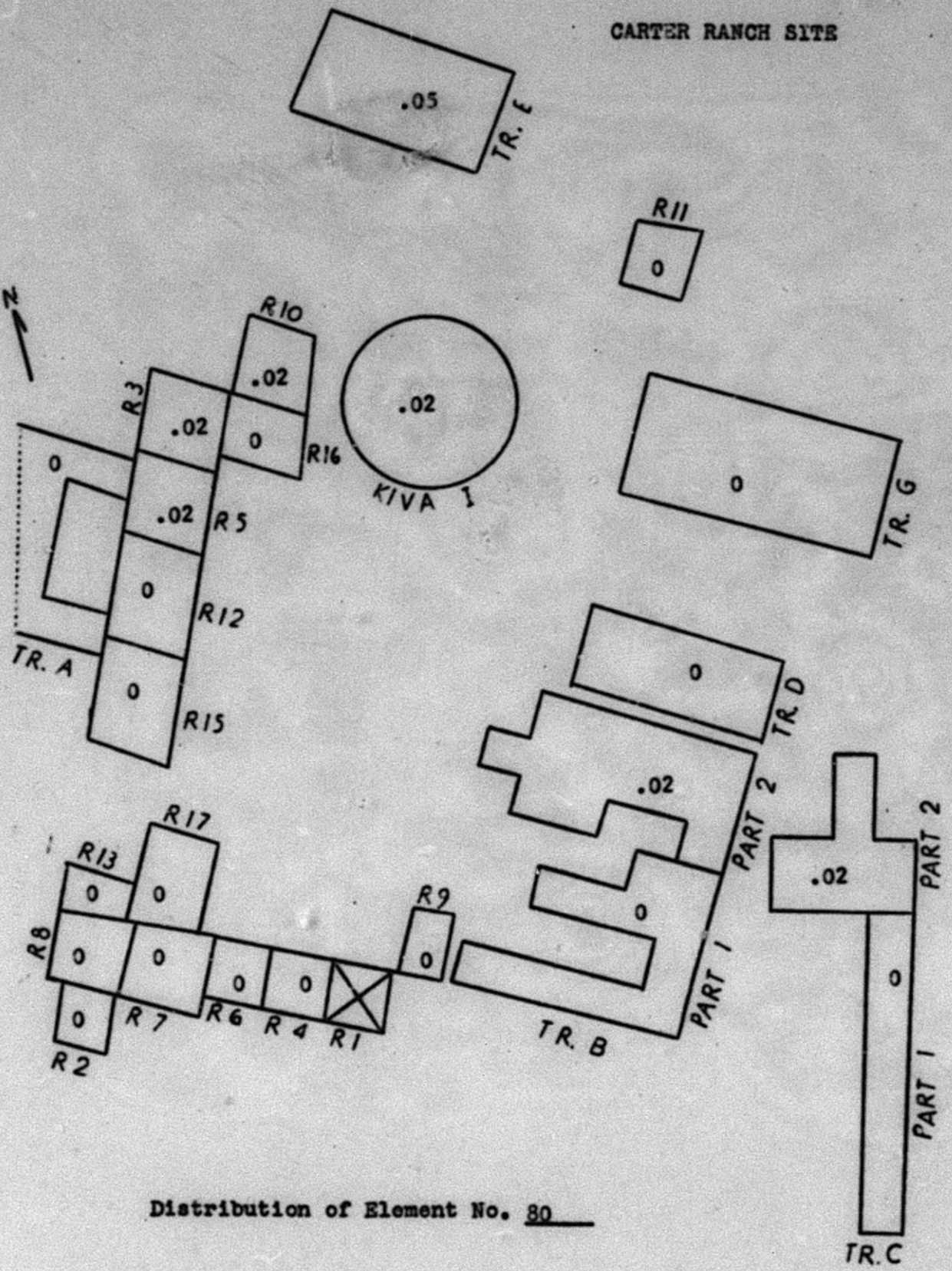
Distribution of Element No. 78

CARTER RANCH SITE



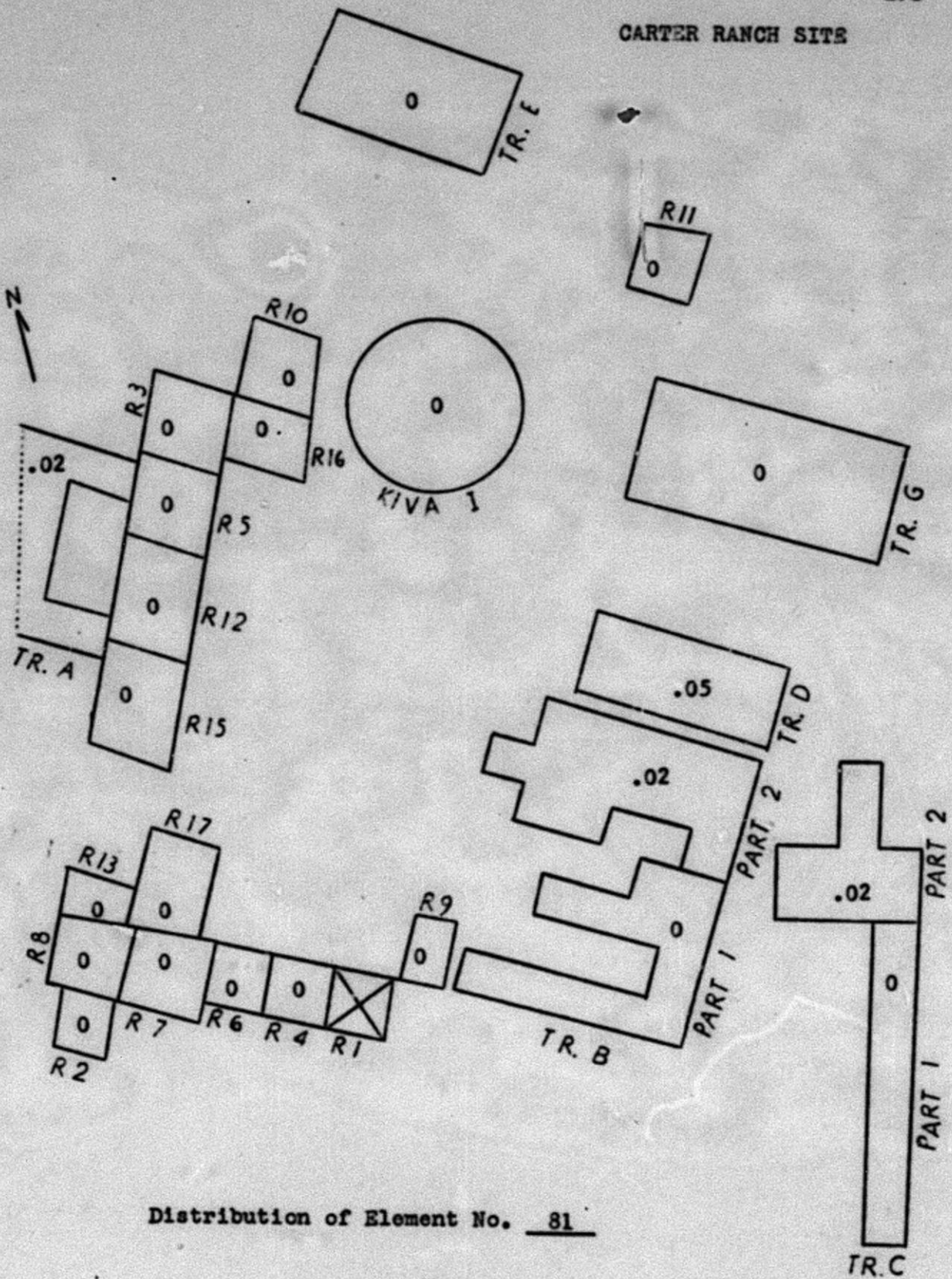
Distribution of Element No. 79

CARTER RANCH SITE



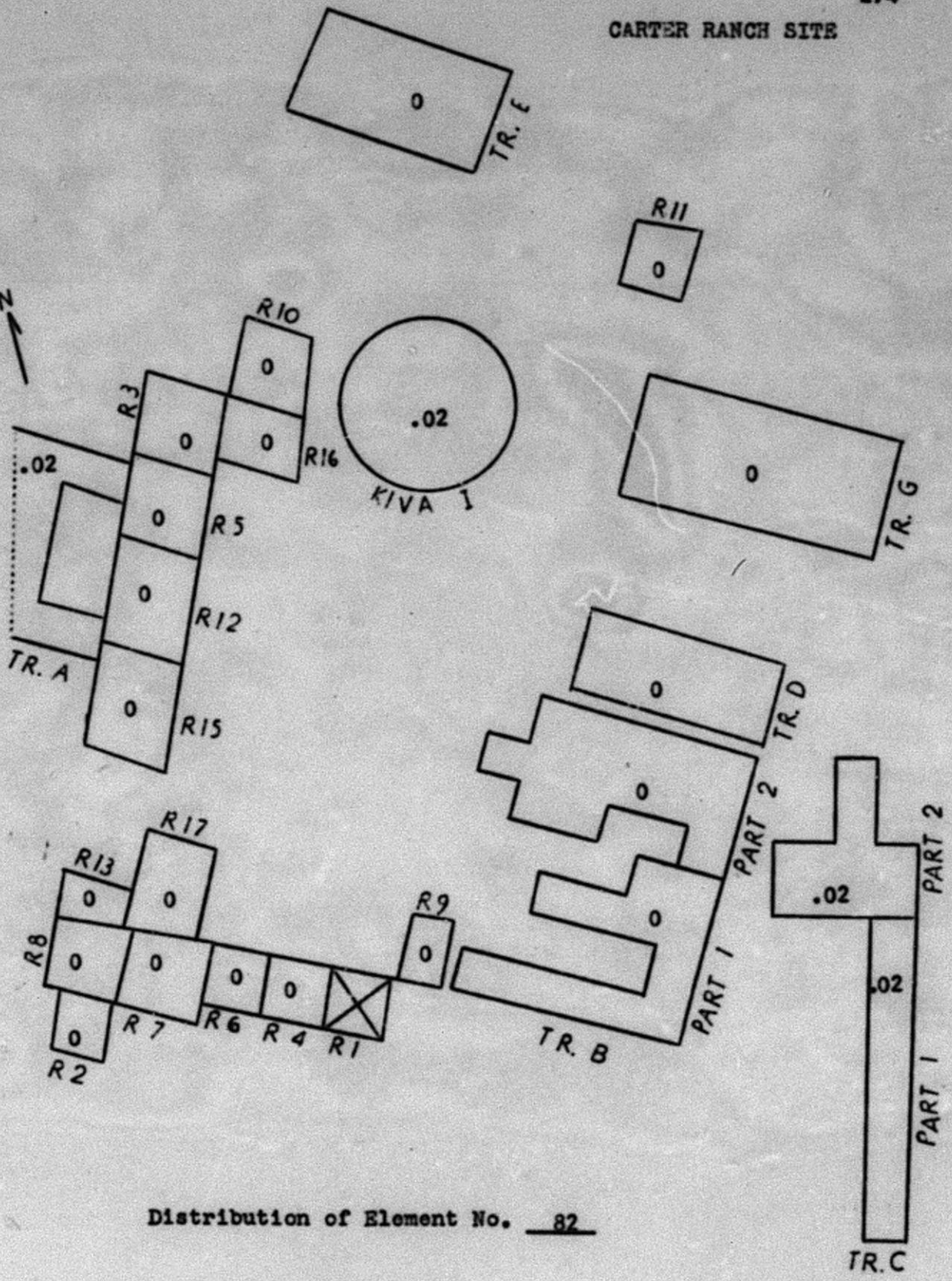
Distribution of Element No. 80

CARTER RANCH SITE



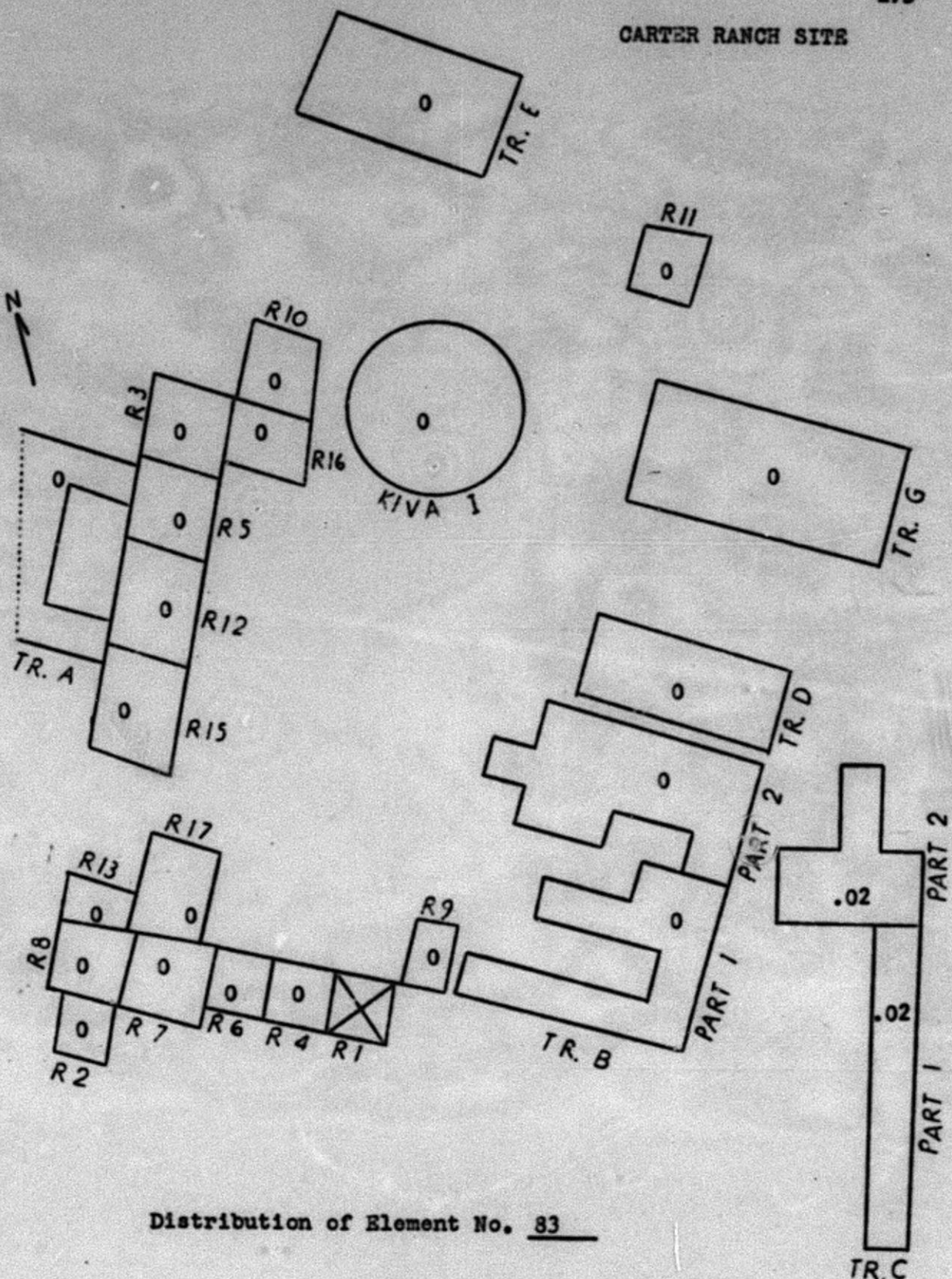
Distribution of Element No. 81

CARTER RANCH SITE



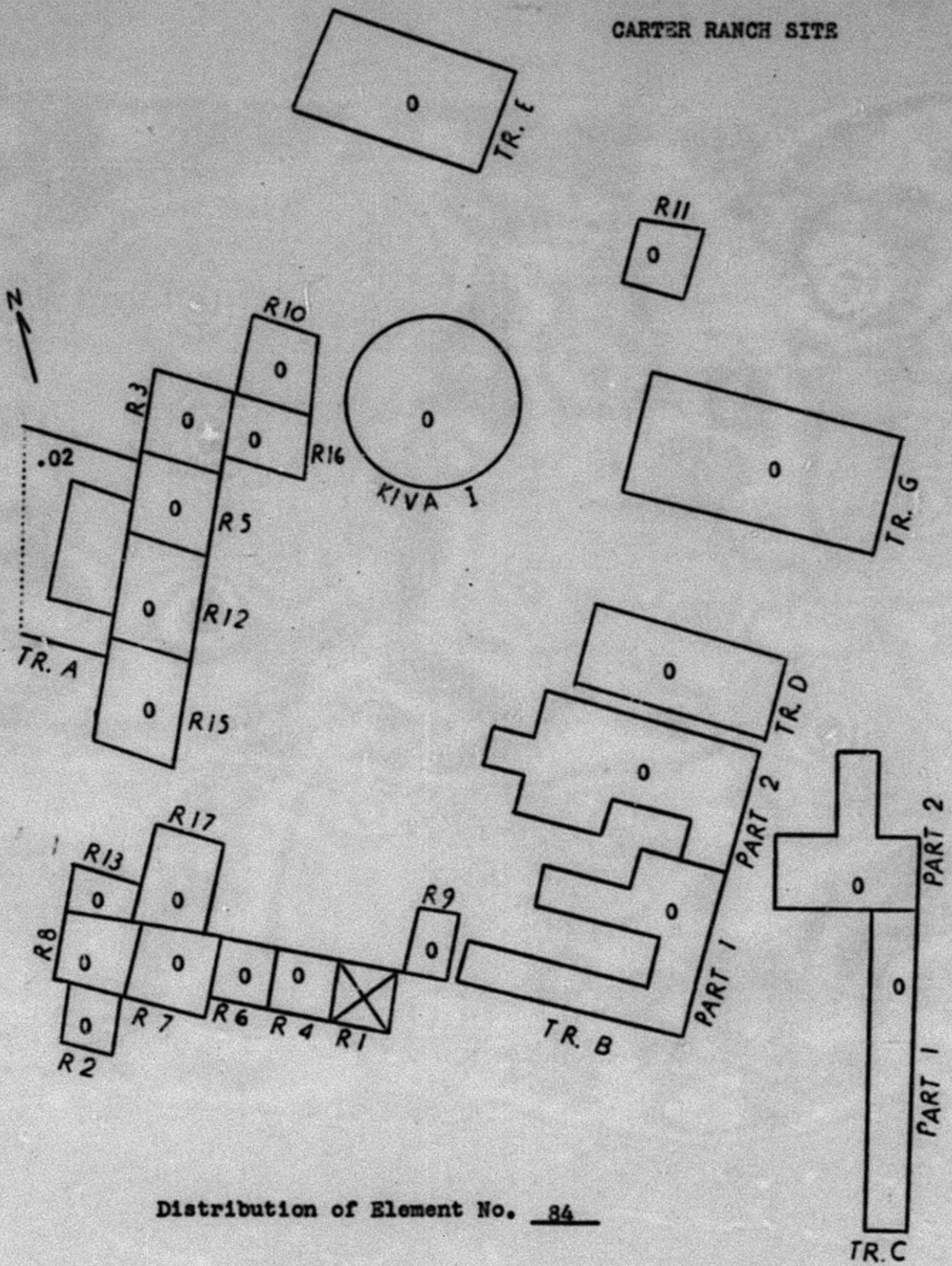
Distribution of Element No. 82

CARTER RANCH SITE



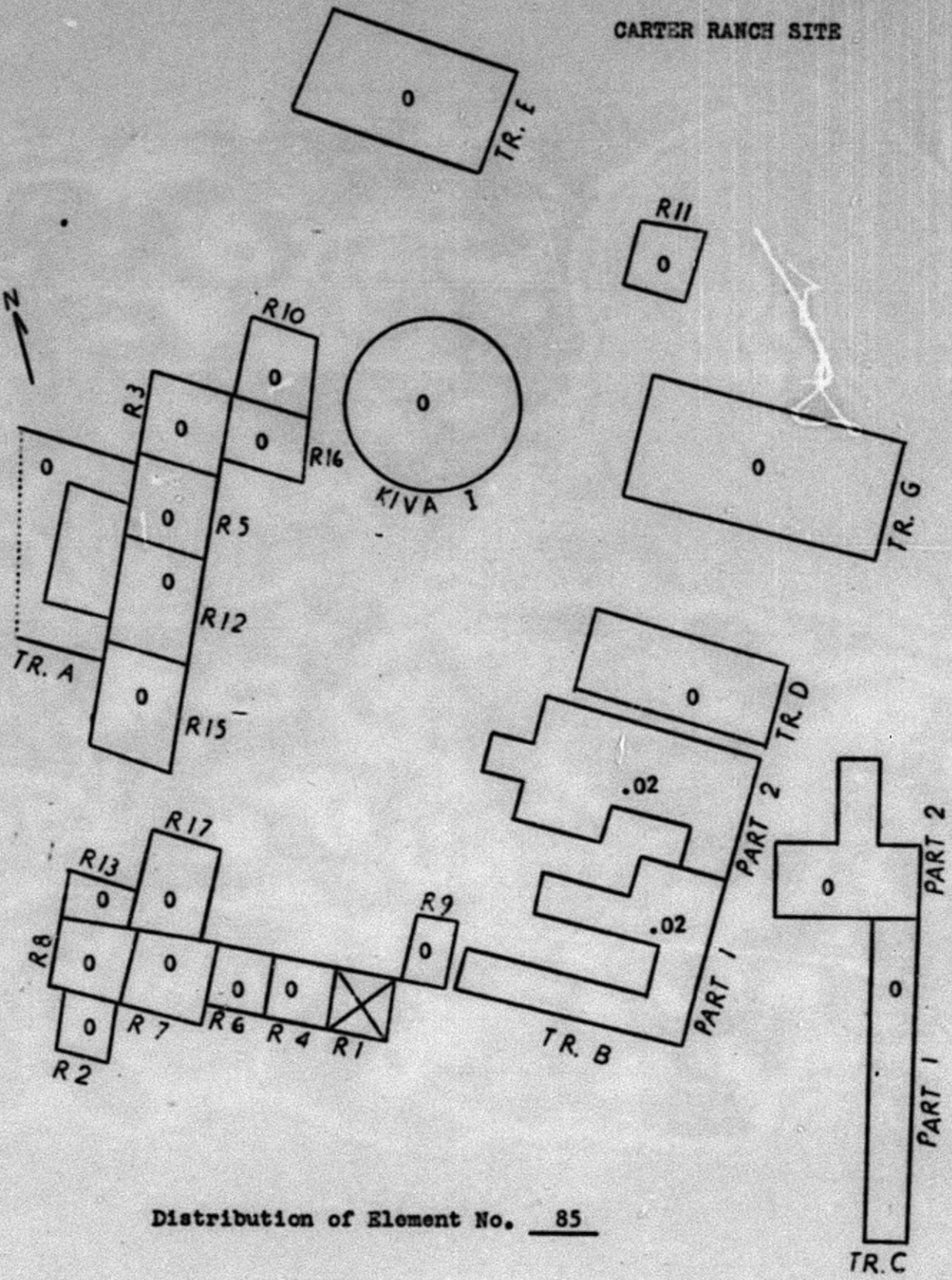
Distribution of Element No. 83

CARTER RANCH SITE



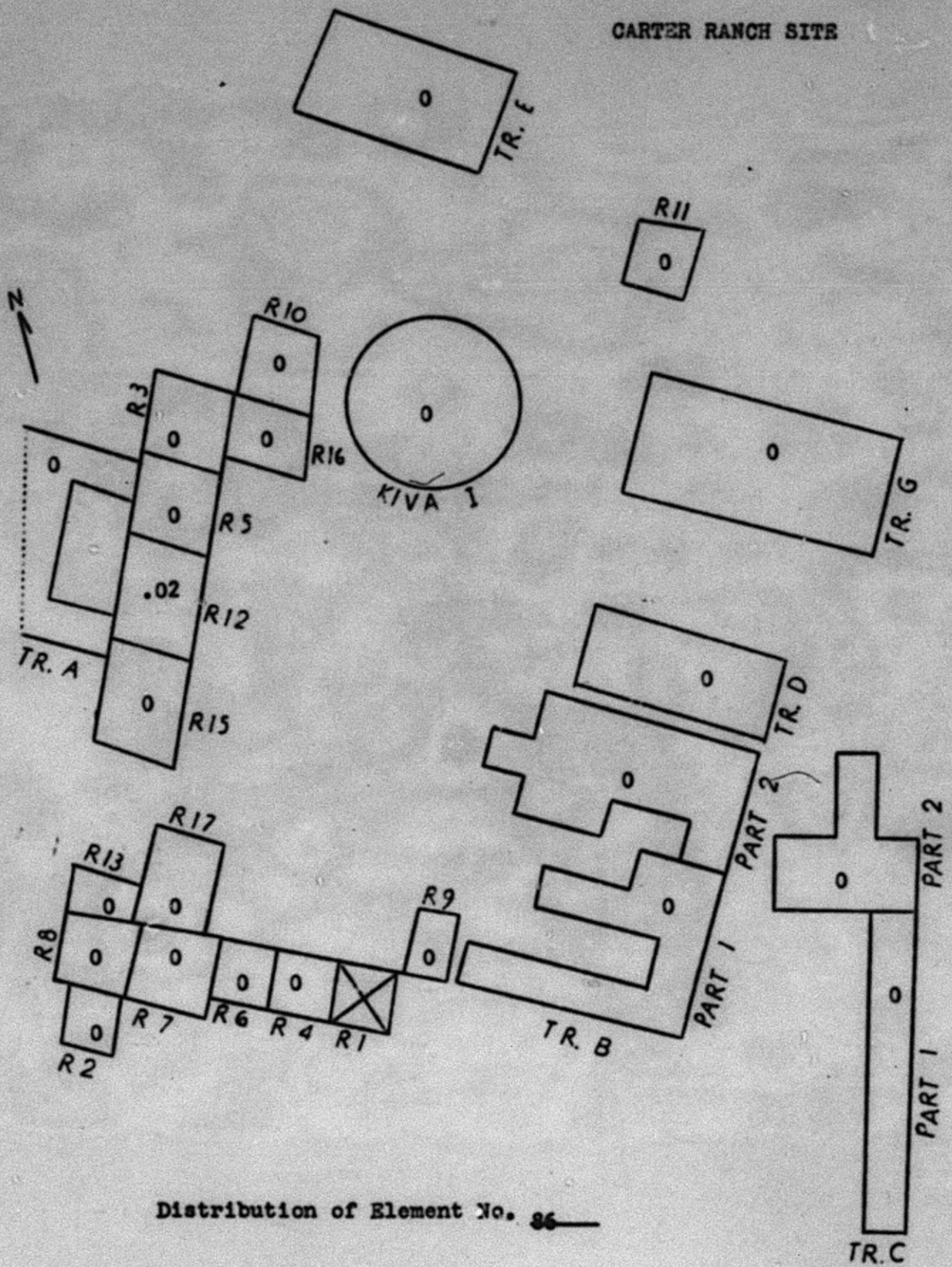
Distribution of Element No. 84

CARTER RANCH SITE



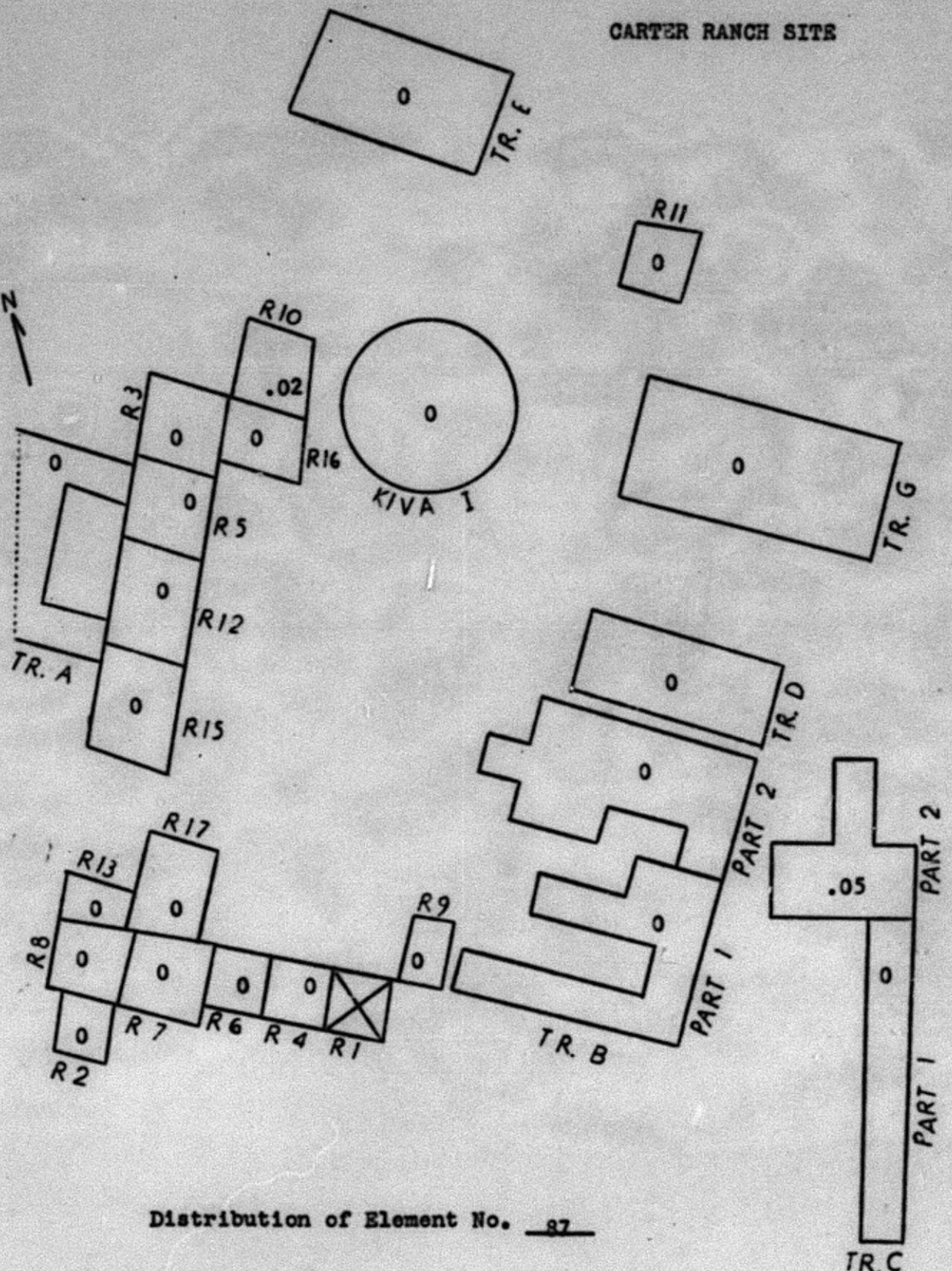
Distribution of Element No. 85

CARTER RANCH SITE



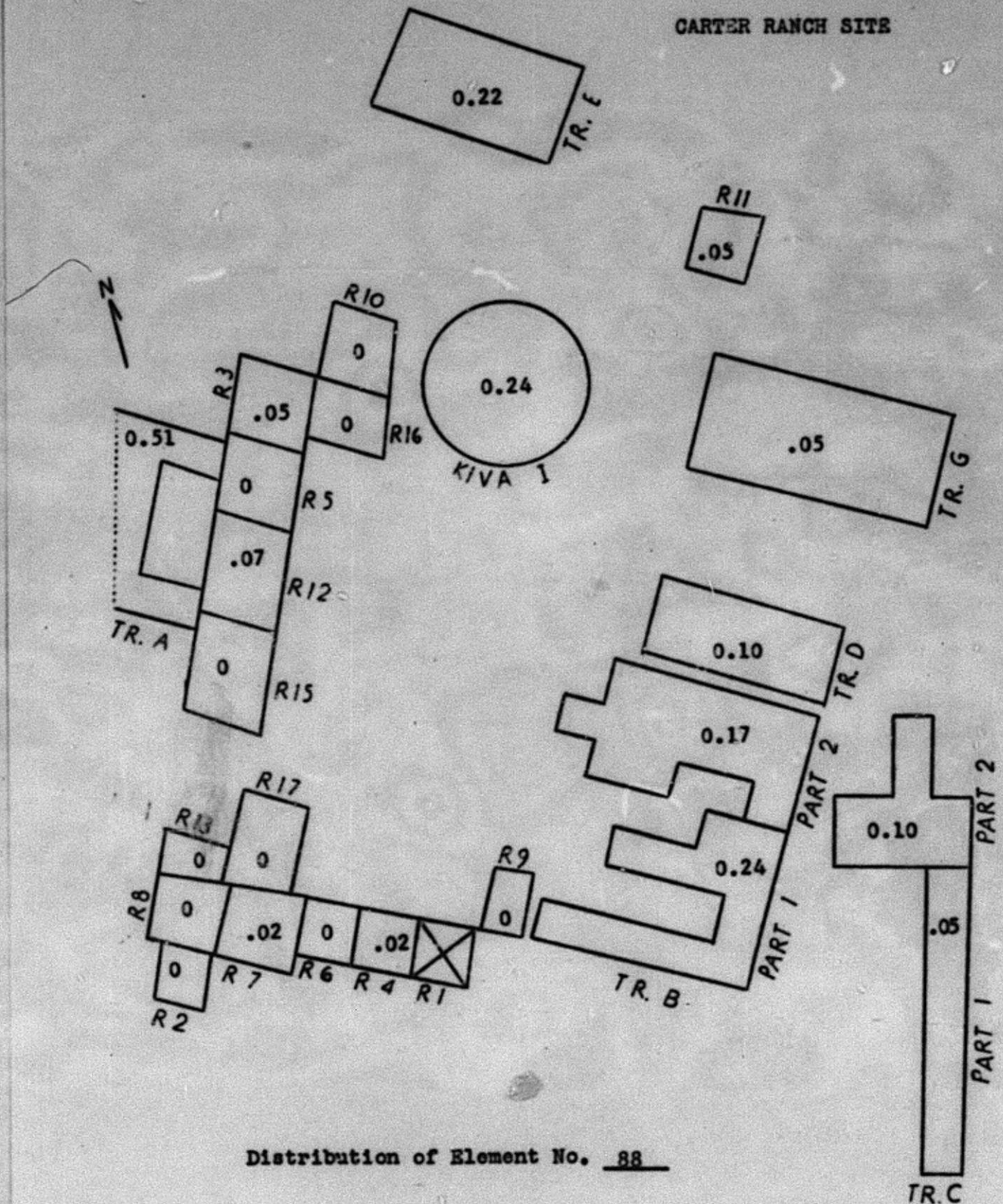
Distribution of Element No. 86

CARTER RANCH SITE



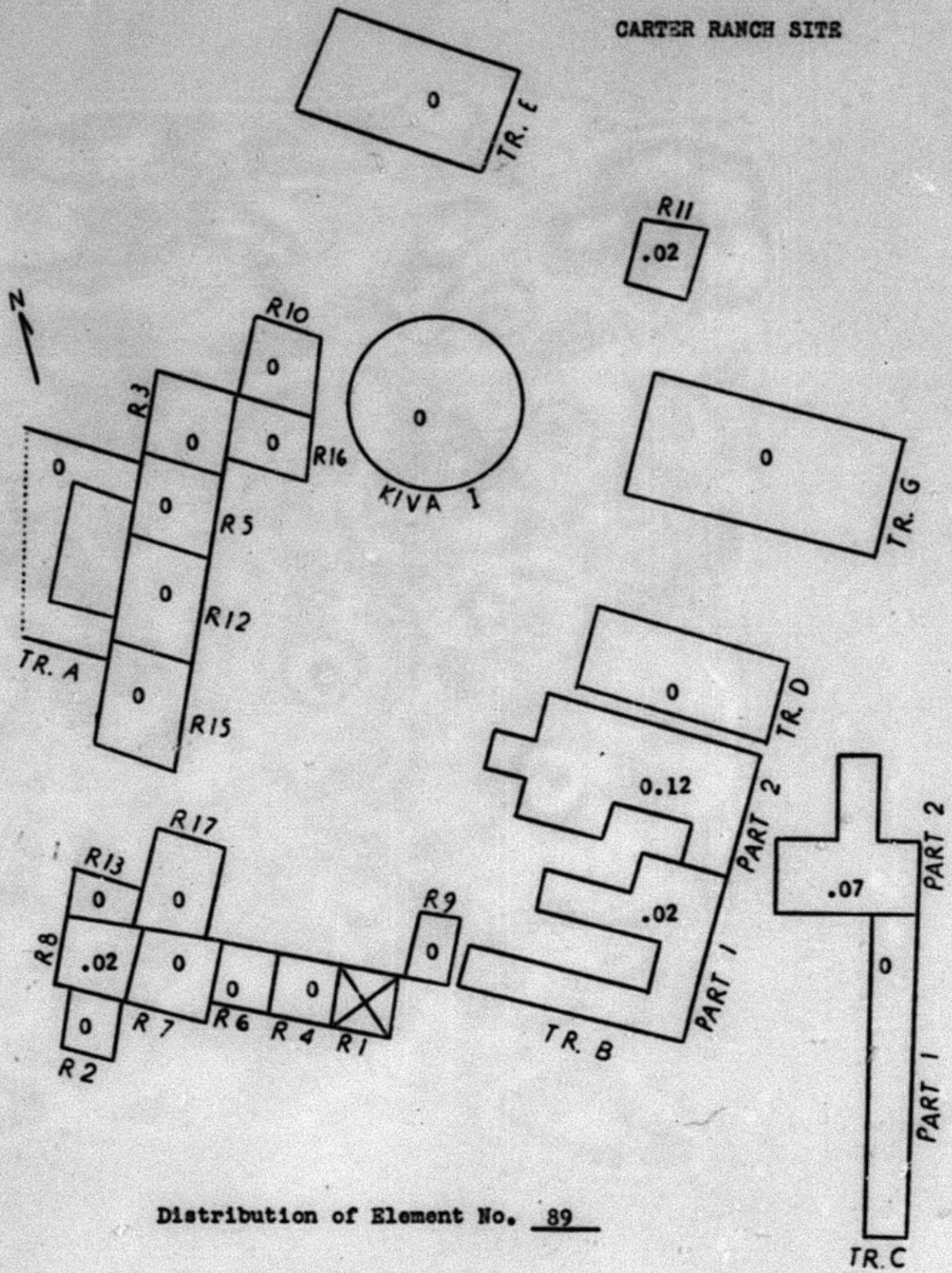
Distribution of Element No. 87

CARTER RANCH SITE



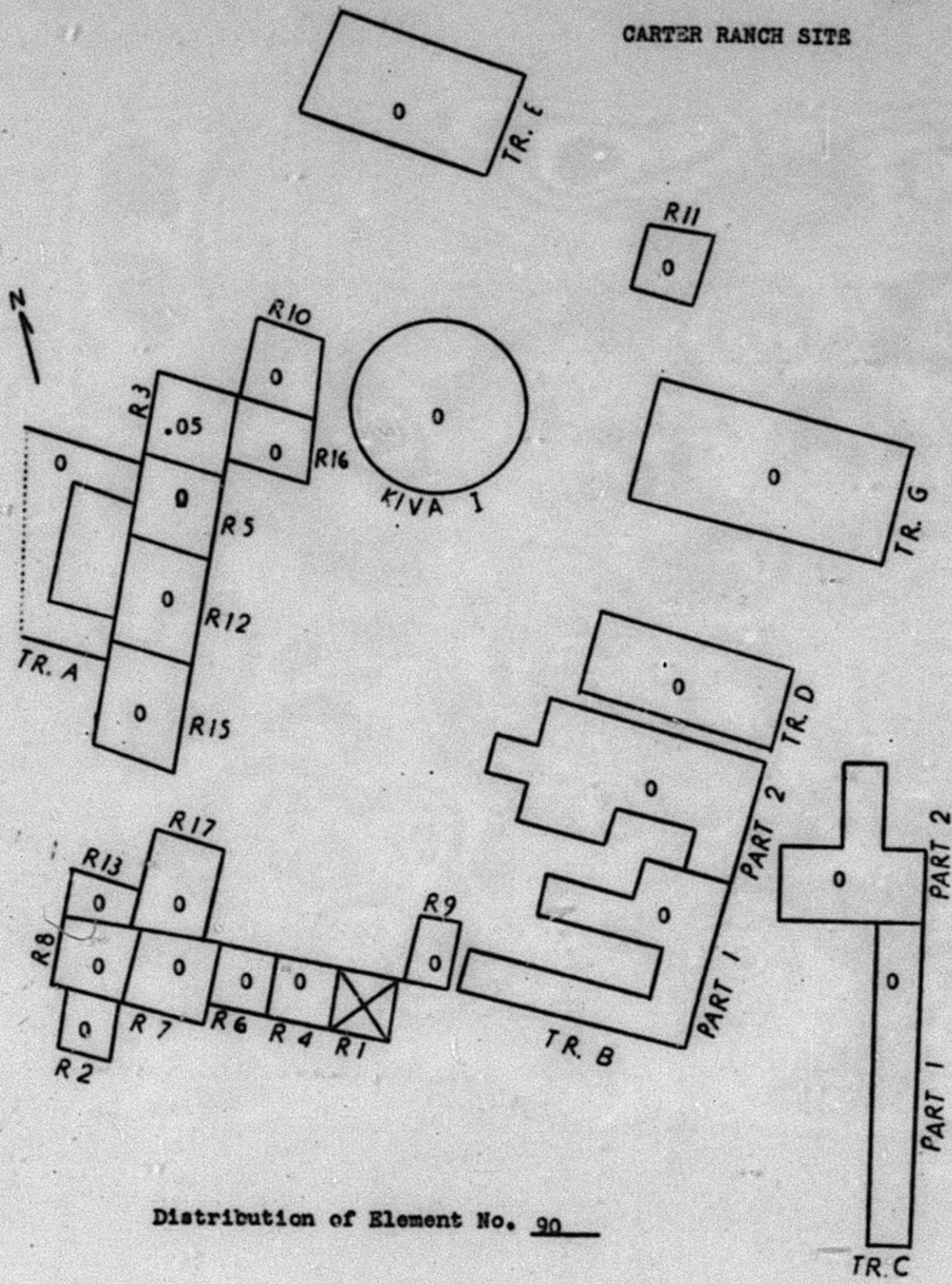
Distribution of Element No. 88

CARTER RANCH SITE



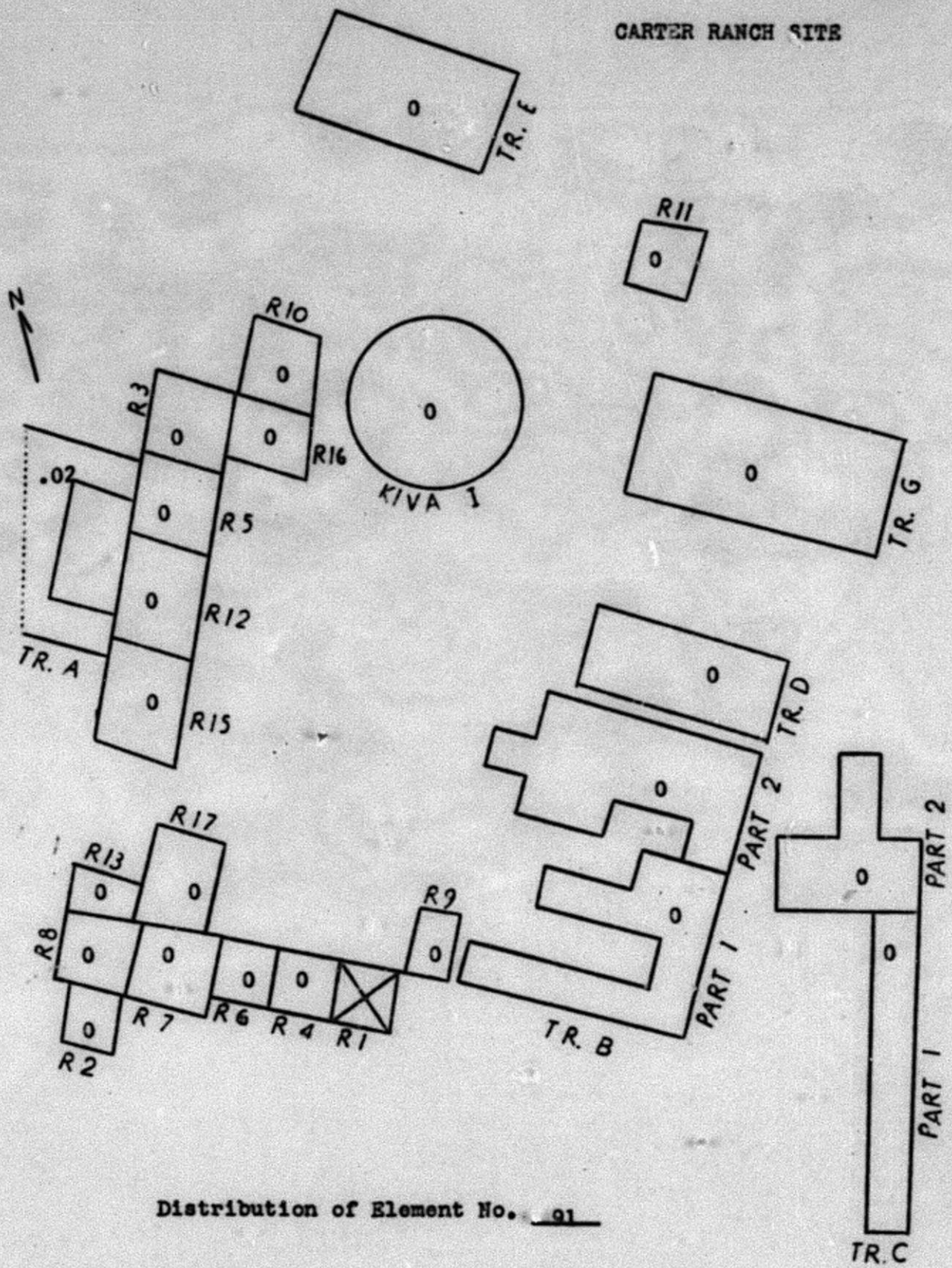
Distribution of Element No. 89

CARTER RANCH SITE



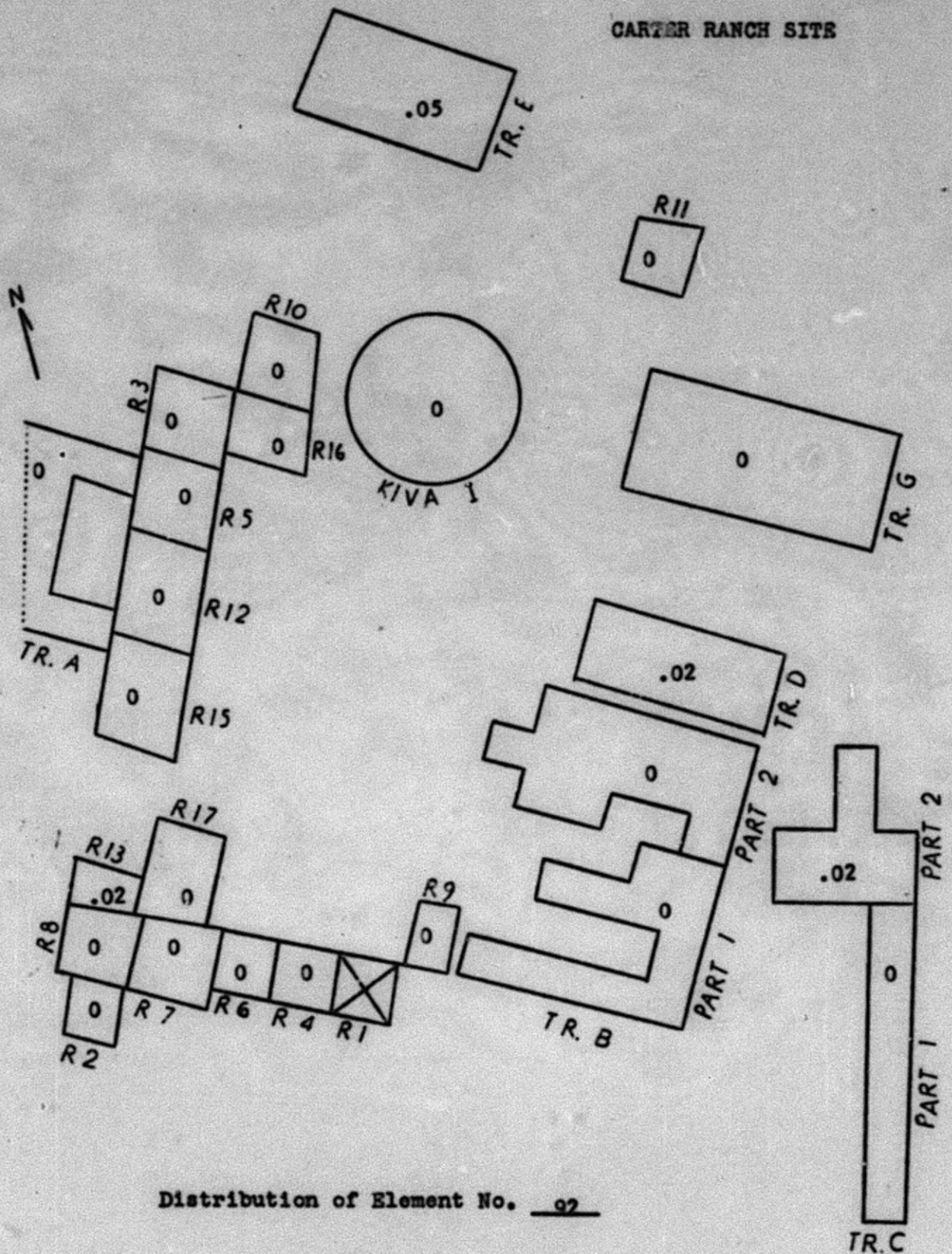
Distribution of Element No. 90

CARTER RANCH SITE



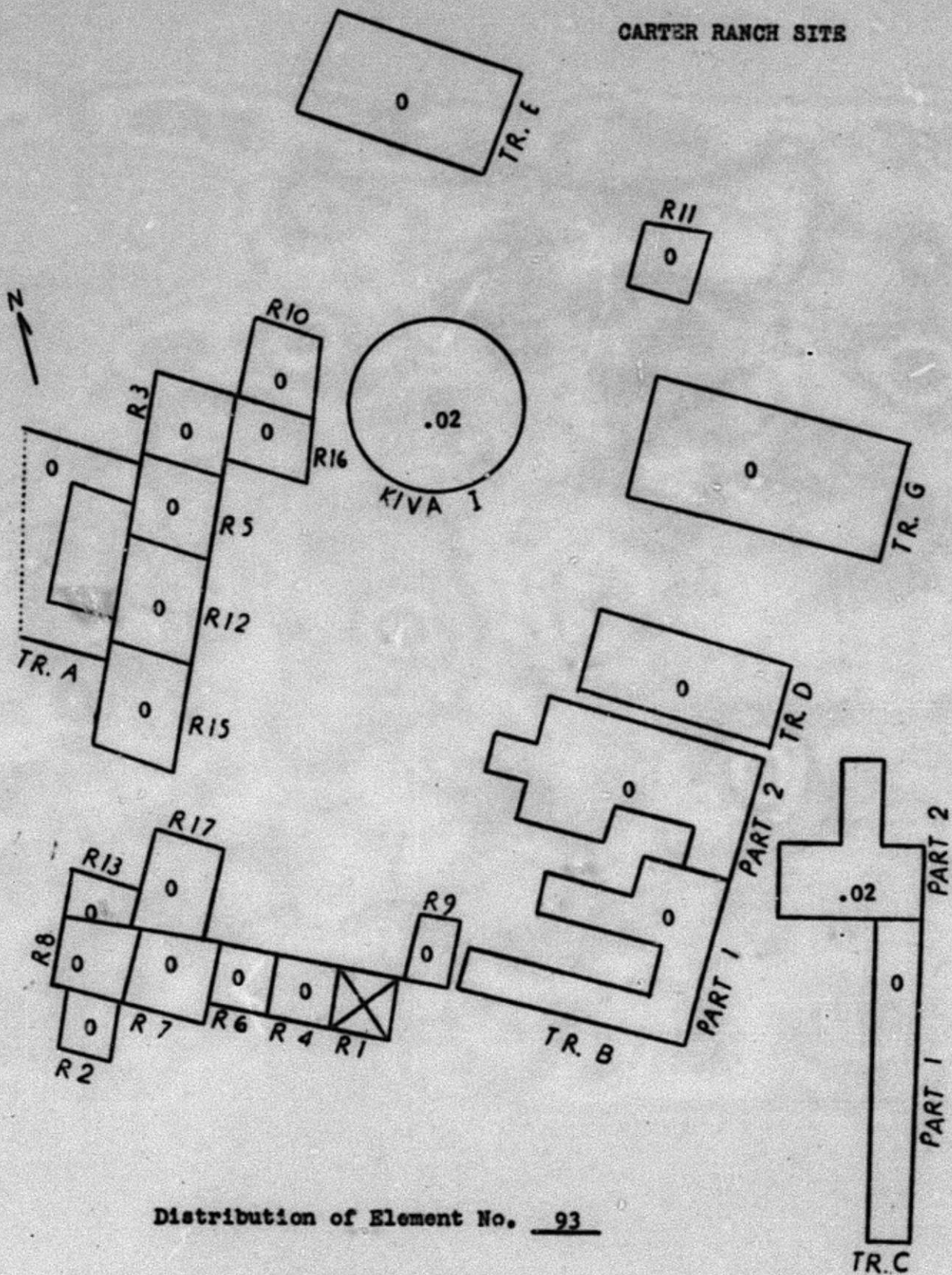
Distribution of Element No. 91

CARTER RANCH SITE



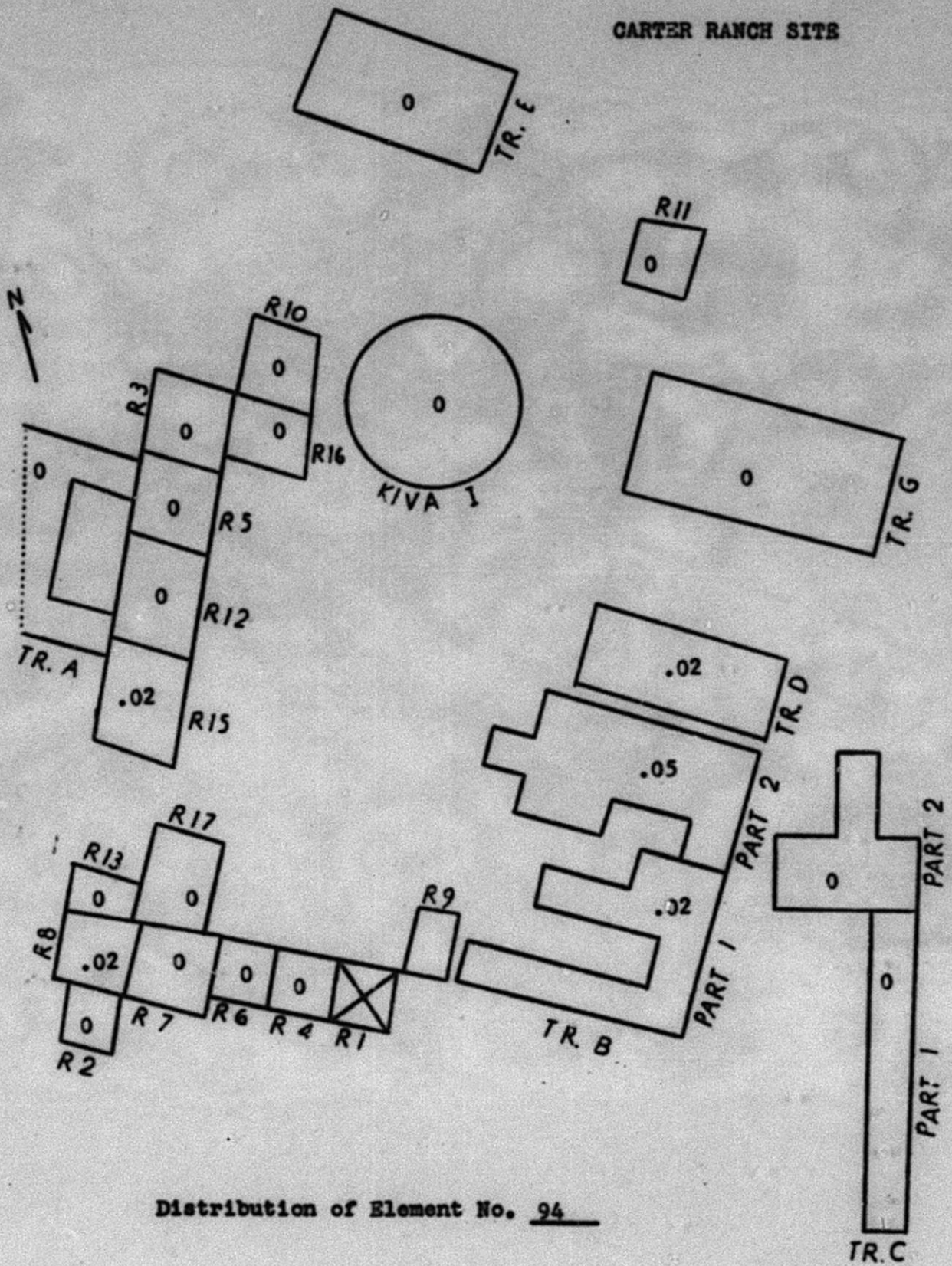
Distribution of Element No. 92

CARTER RANCH SITE



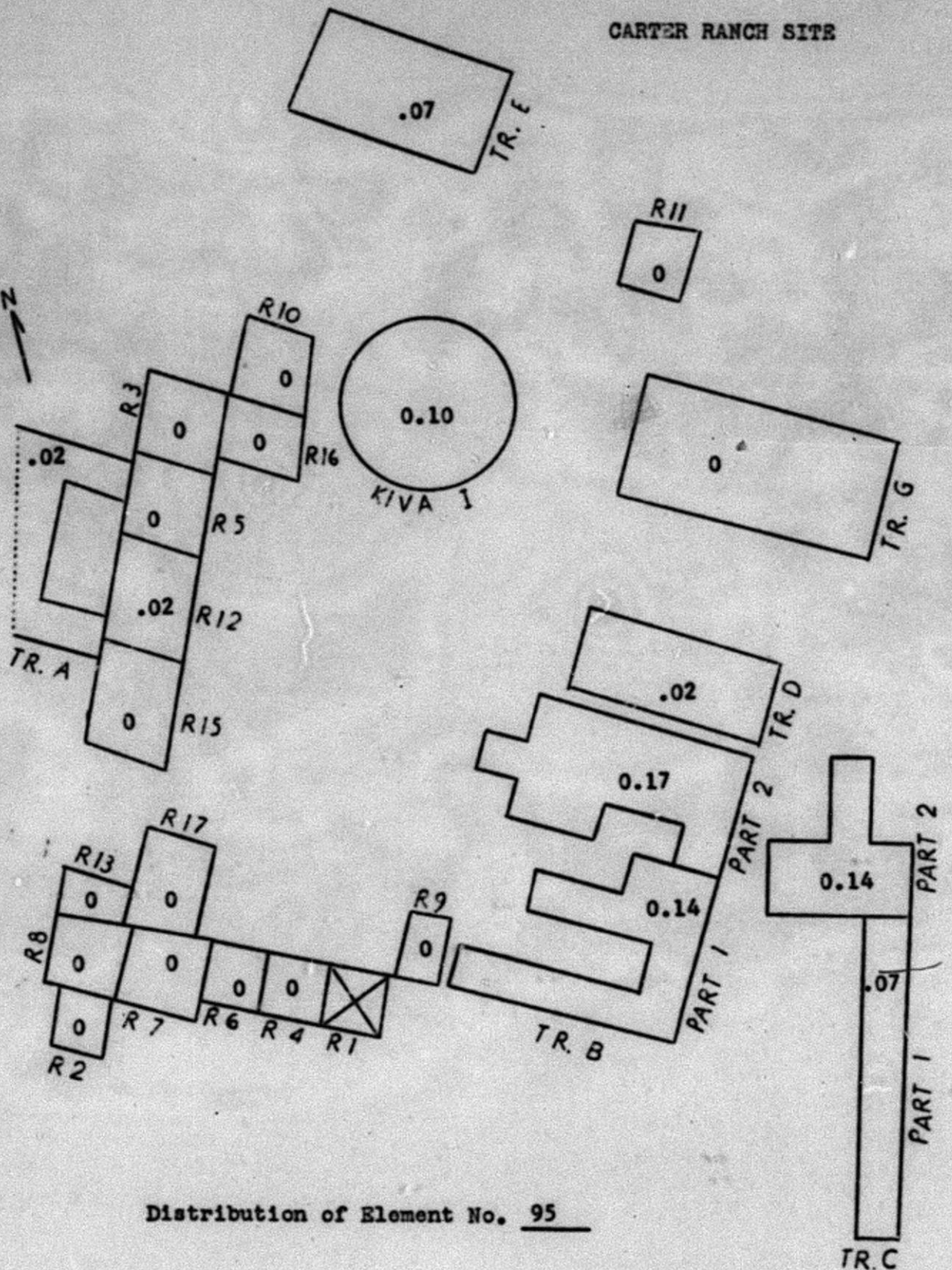
Distribution of Element No. 93

CARTER RANCH SITE



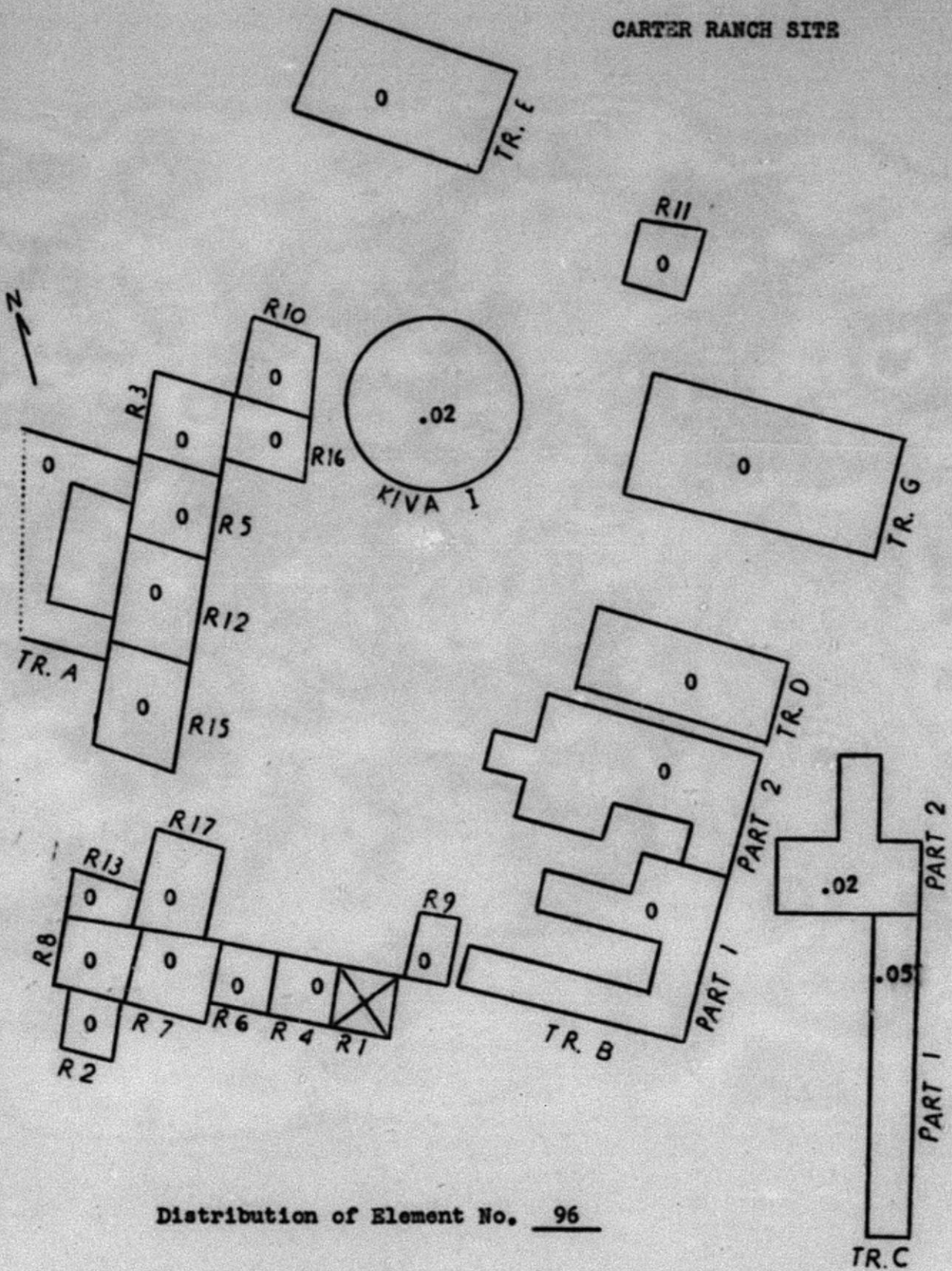
Distribution of Element No. 94

CARTER RANCH SITE



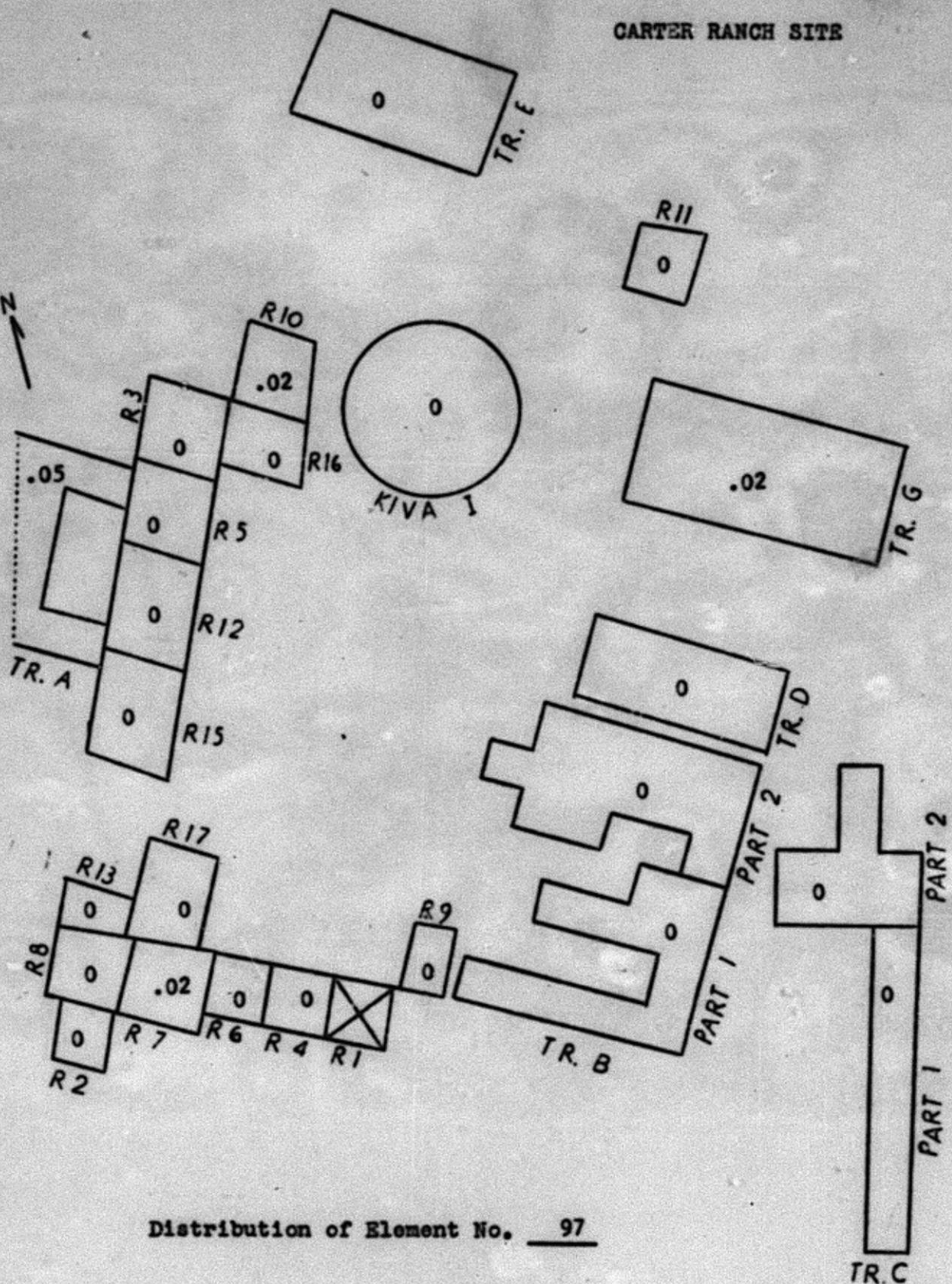
Distribution of Element No. 95

CARTER RANCH SITE



Distribution of Element No. 96

CARTER RANCH SITE



Distribution of Element No. 97

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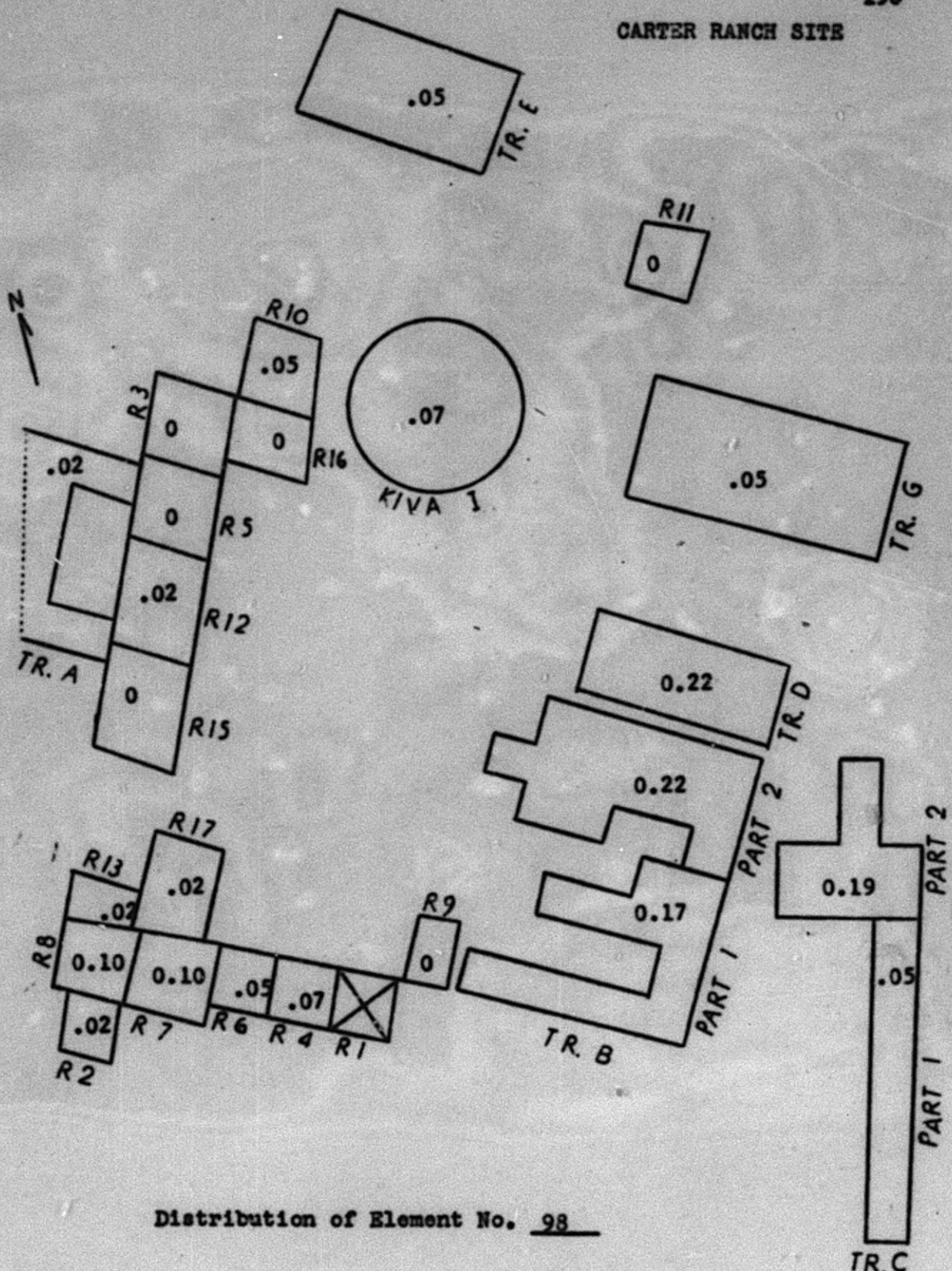
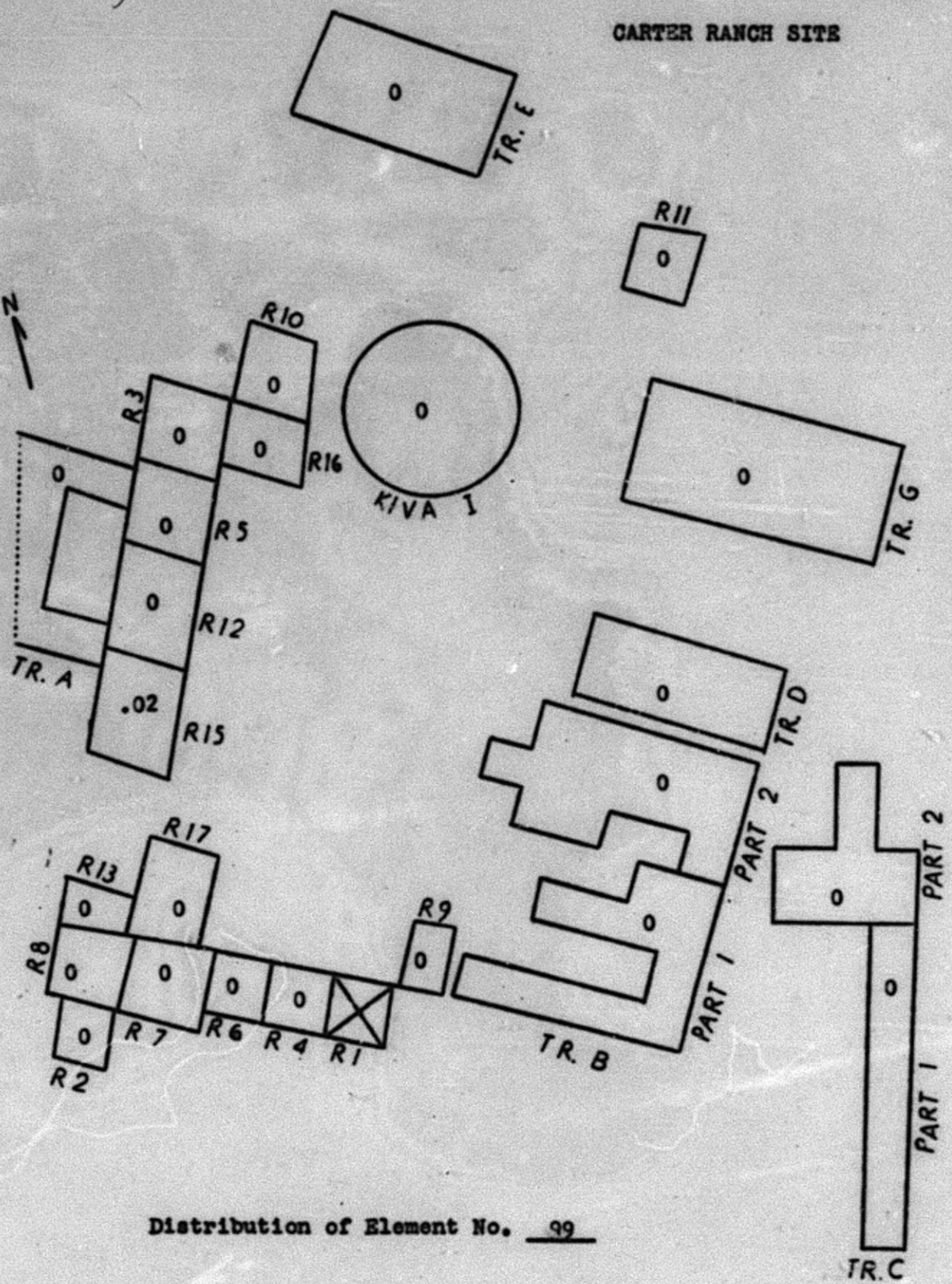


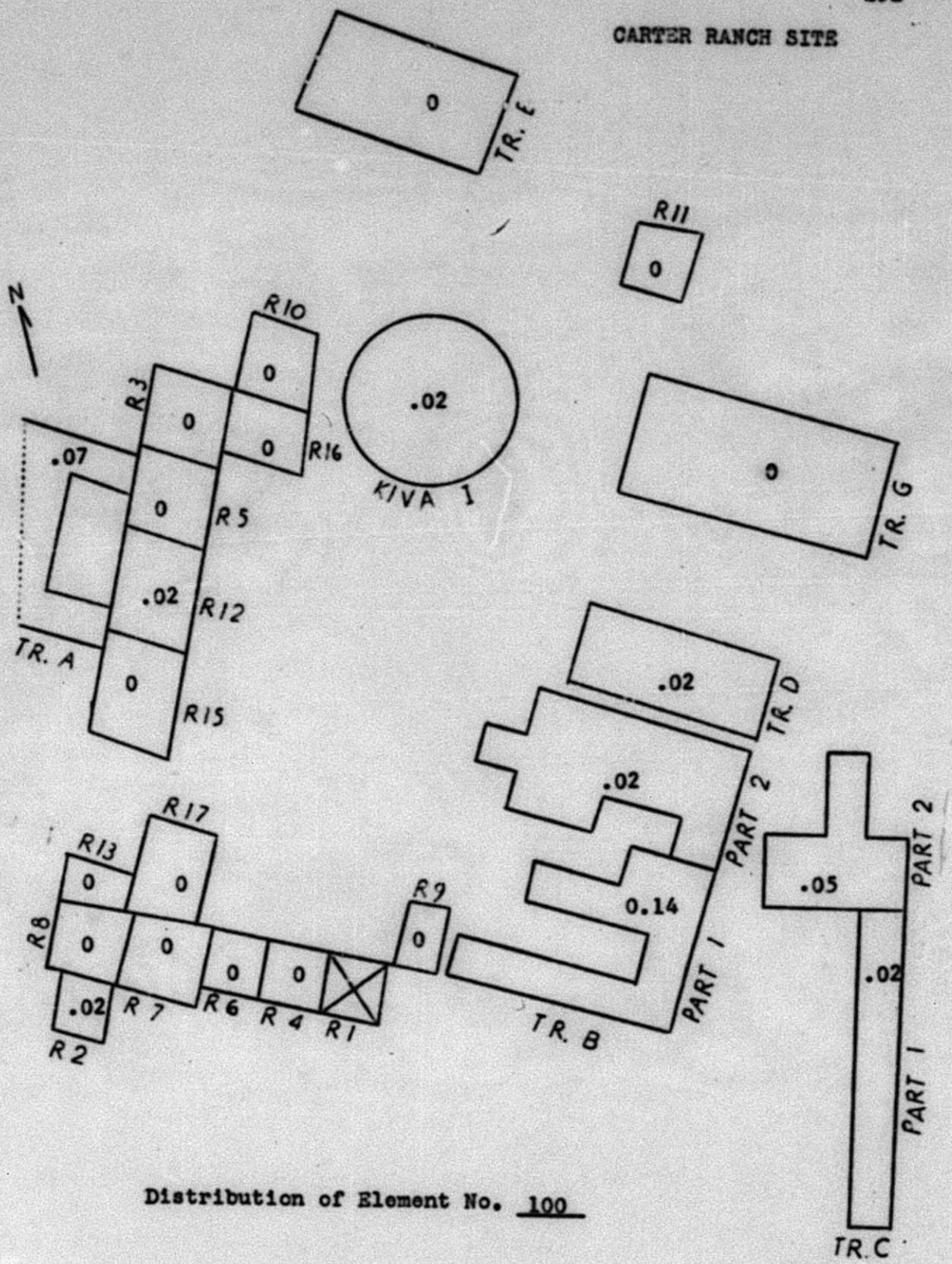
Distribution of Element No. 98

CARTER RANCH SITE



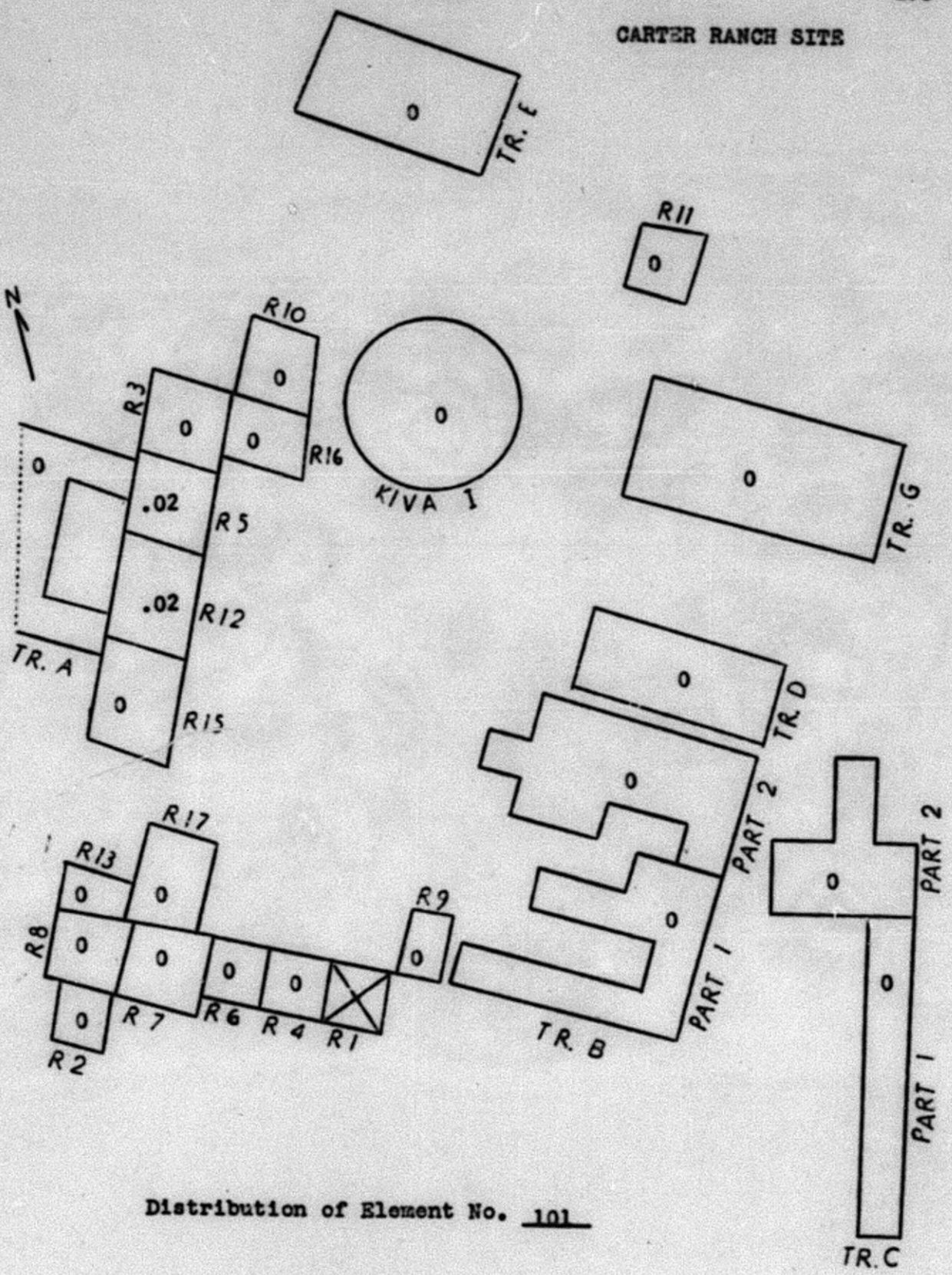
Distribution of Element No. 99

CARTER RANCH SITE



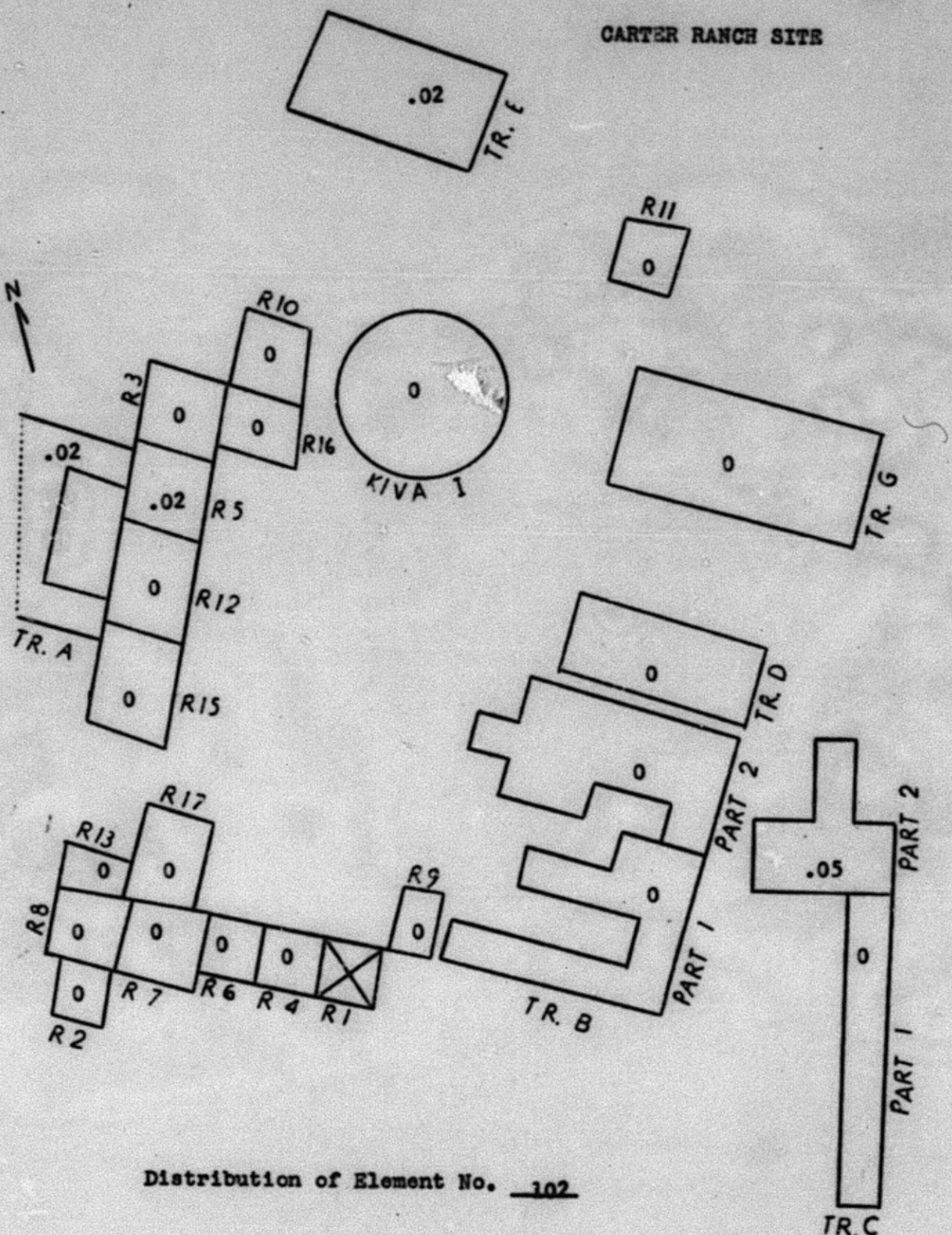
Distribution of Element No. 100

CARTER RANCH SITE



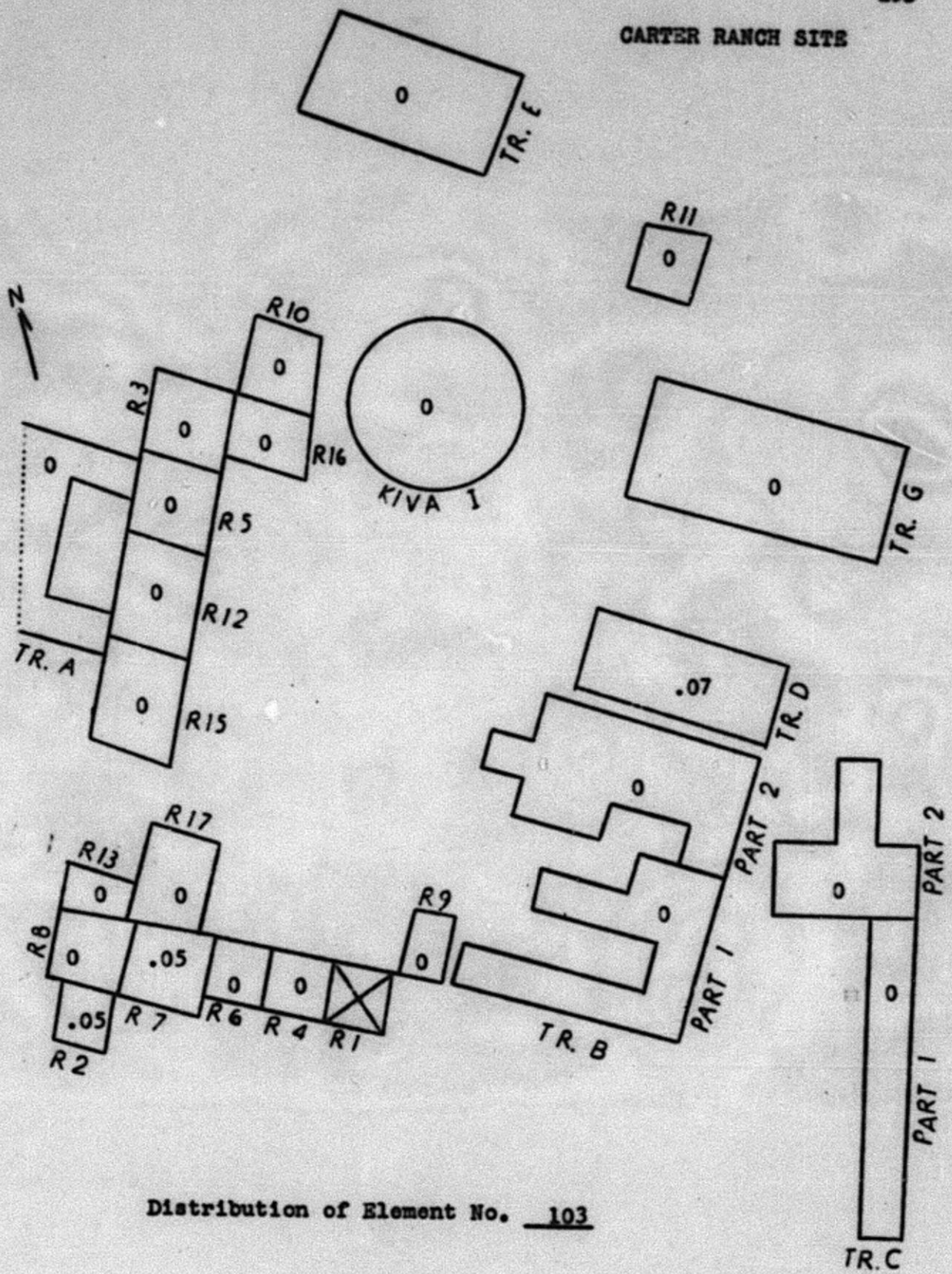
Distribution of Element No. 101

CARTER RANCH SITE



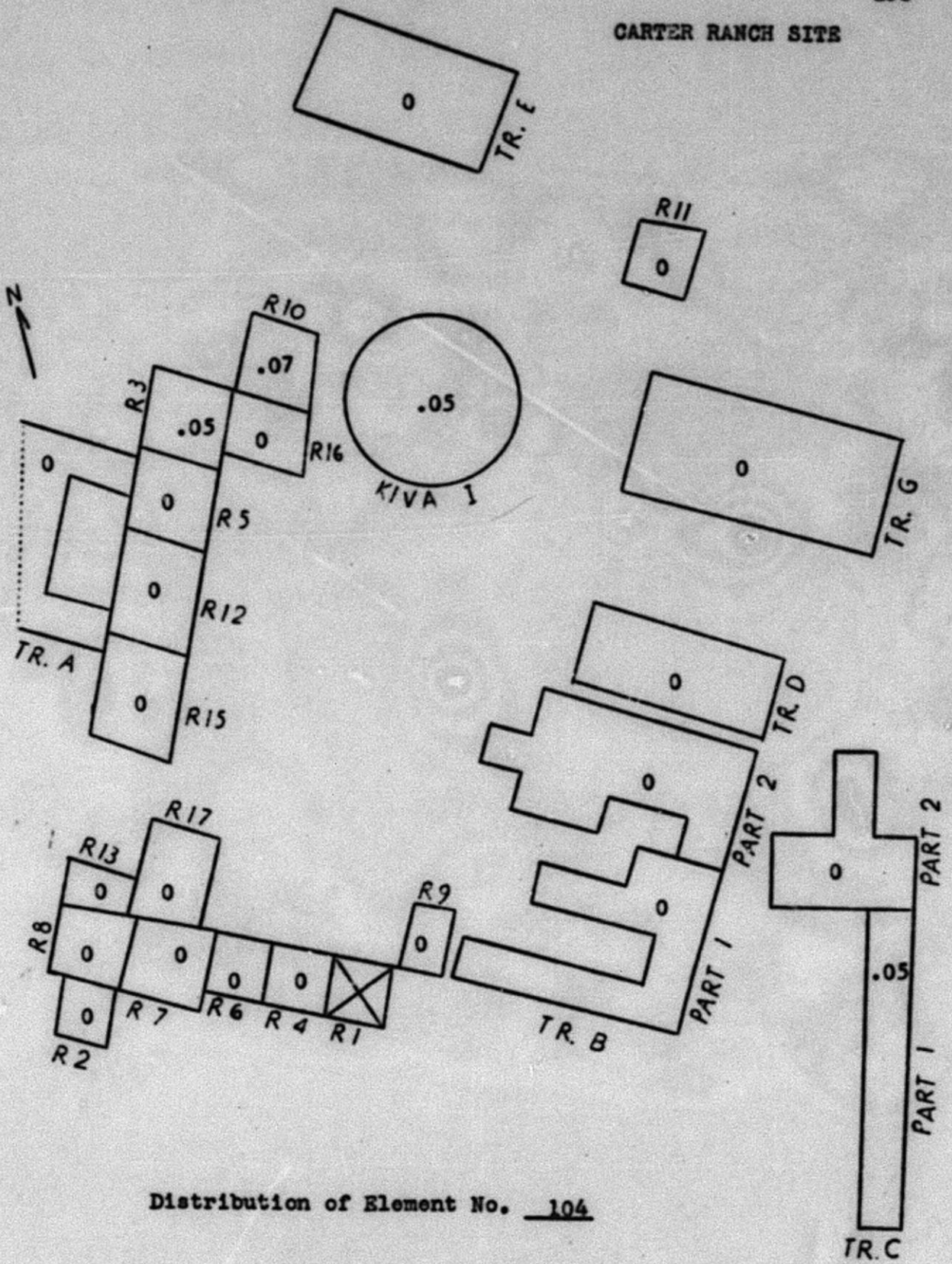
Distribution of Element No. 102

CARTER RANCH SITE



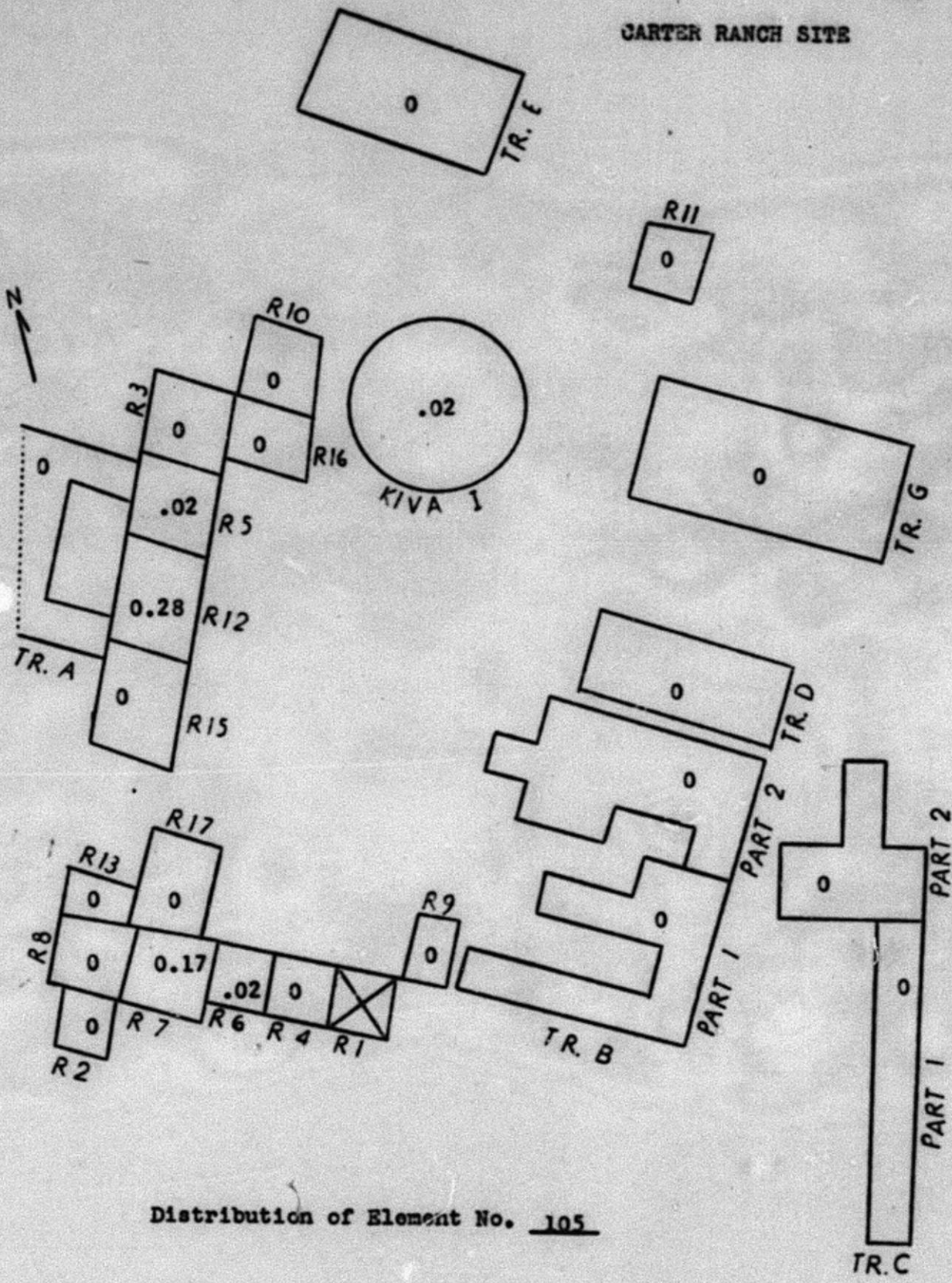
Distribution of Element No. 103

CARTER RANCH SITE



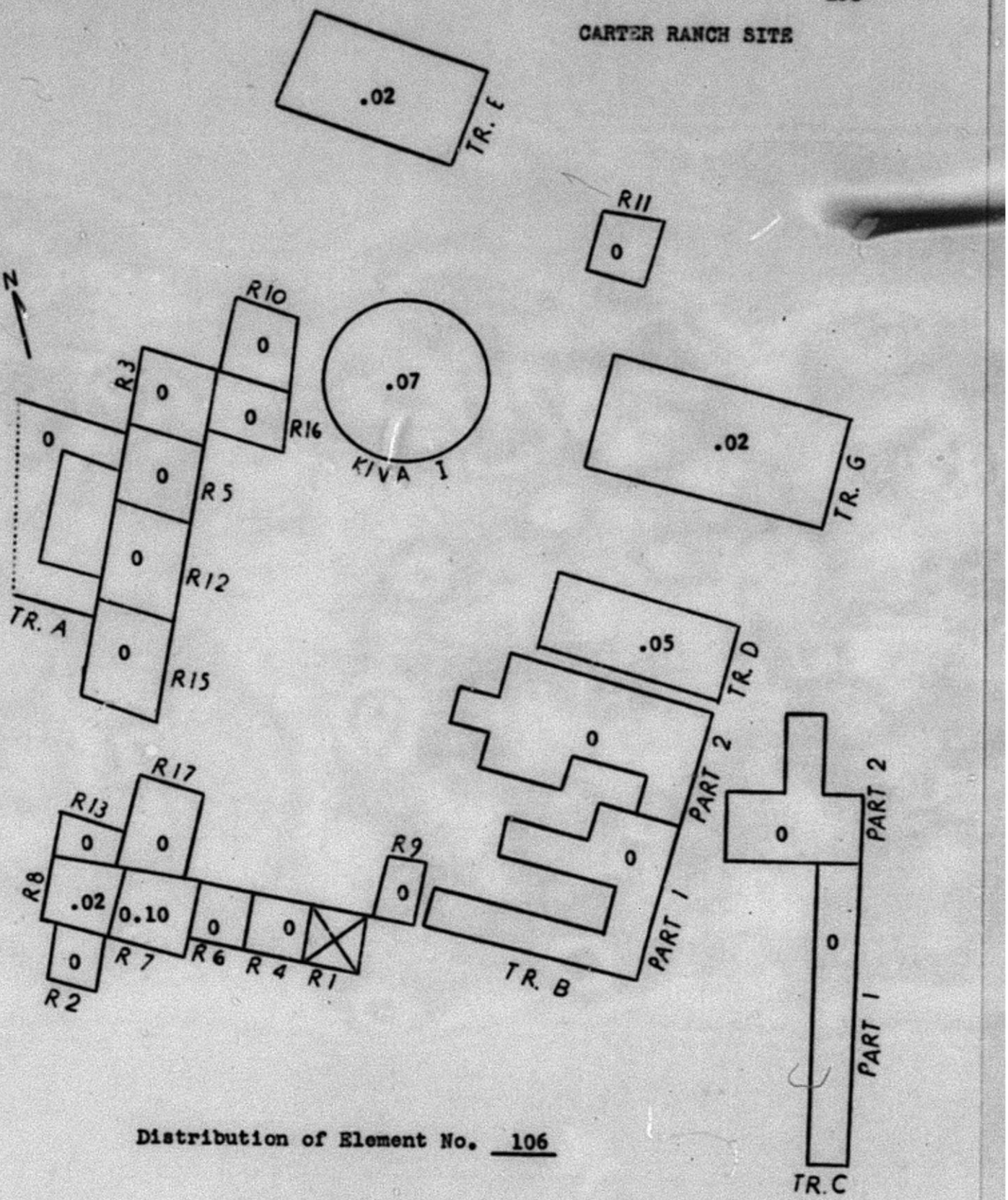
Distribution of Element No. 104

CARTER RANCH SITE



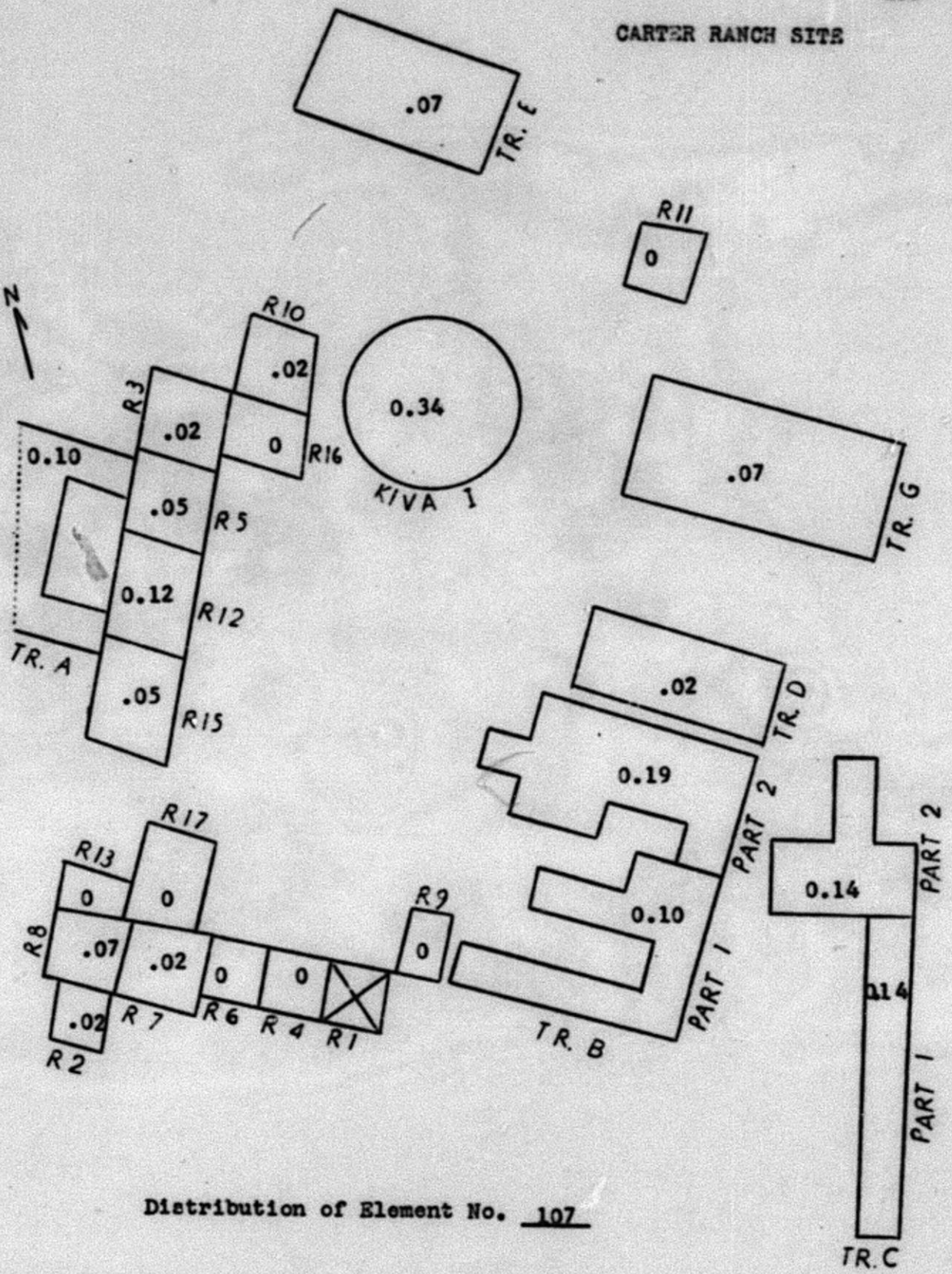
Distribution of Element No. 105

CARTER RANCH SITE



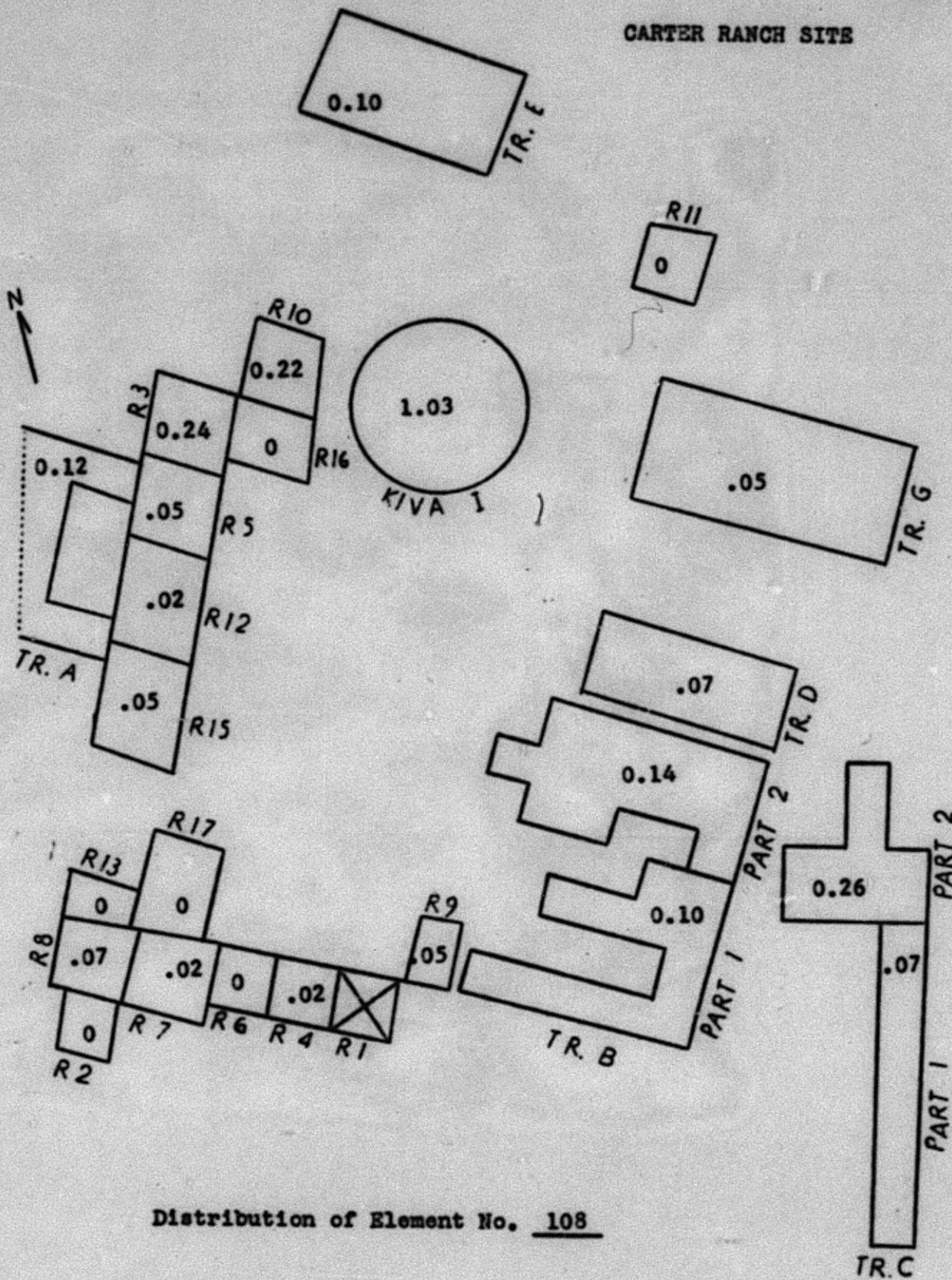
Distribution of Element No. 106

CARTER RANCH SITE



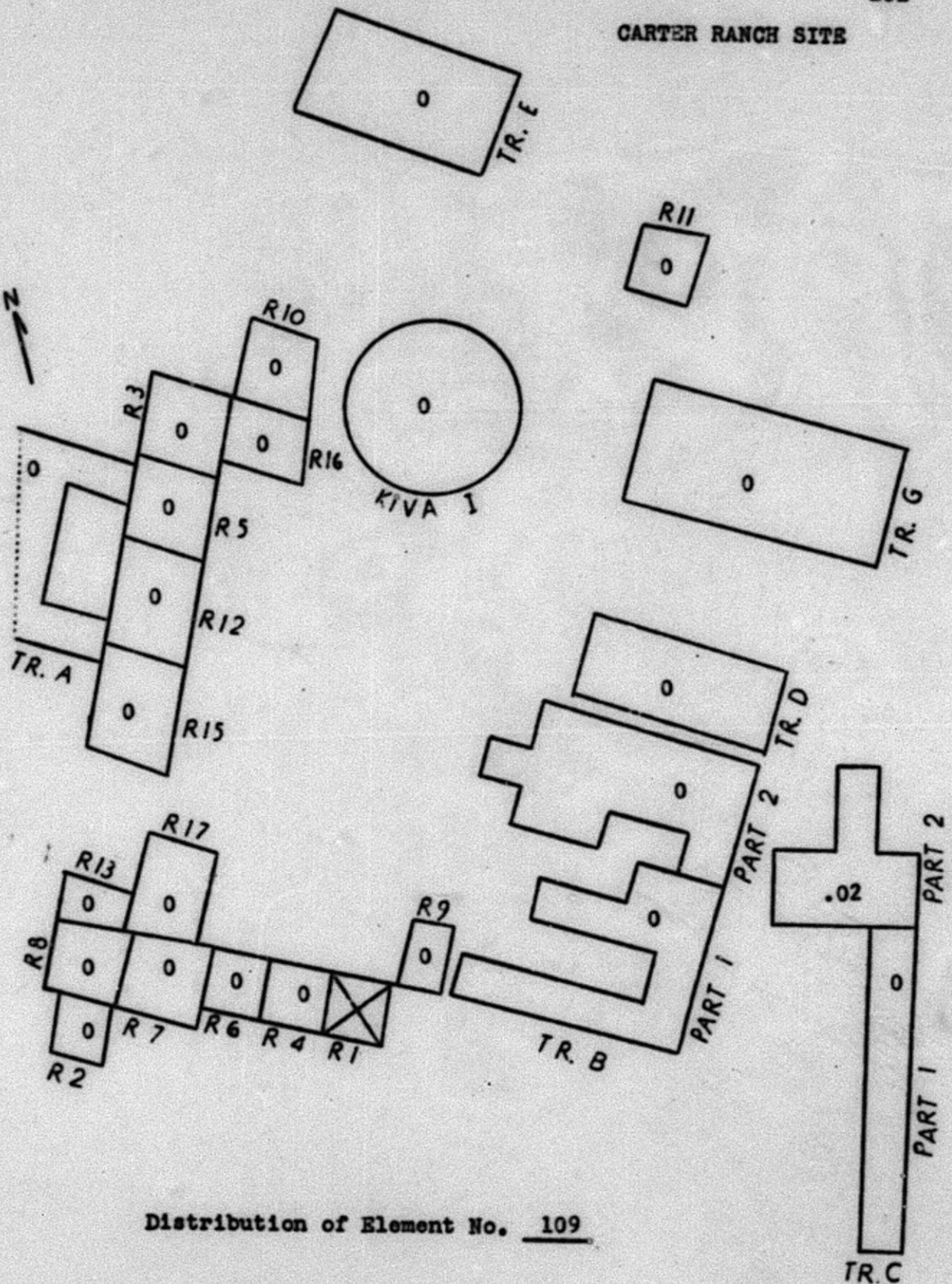
Distribution of Element No. 107

CARTER RANCH SITE



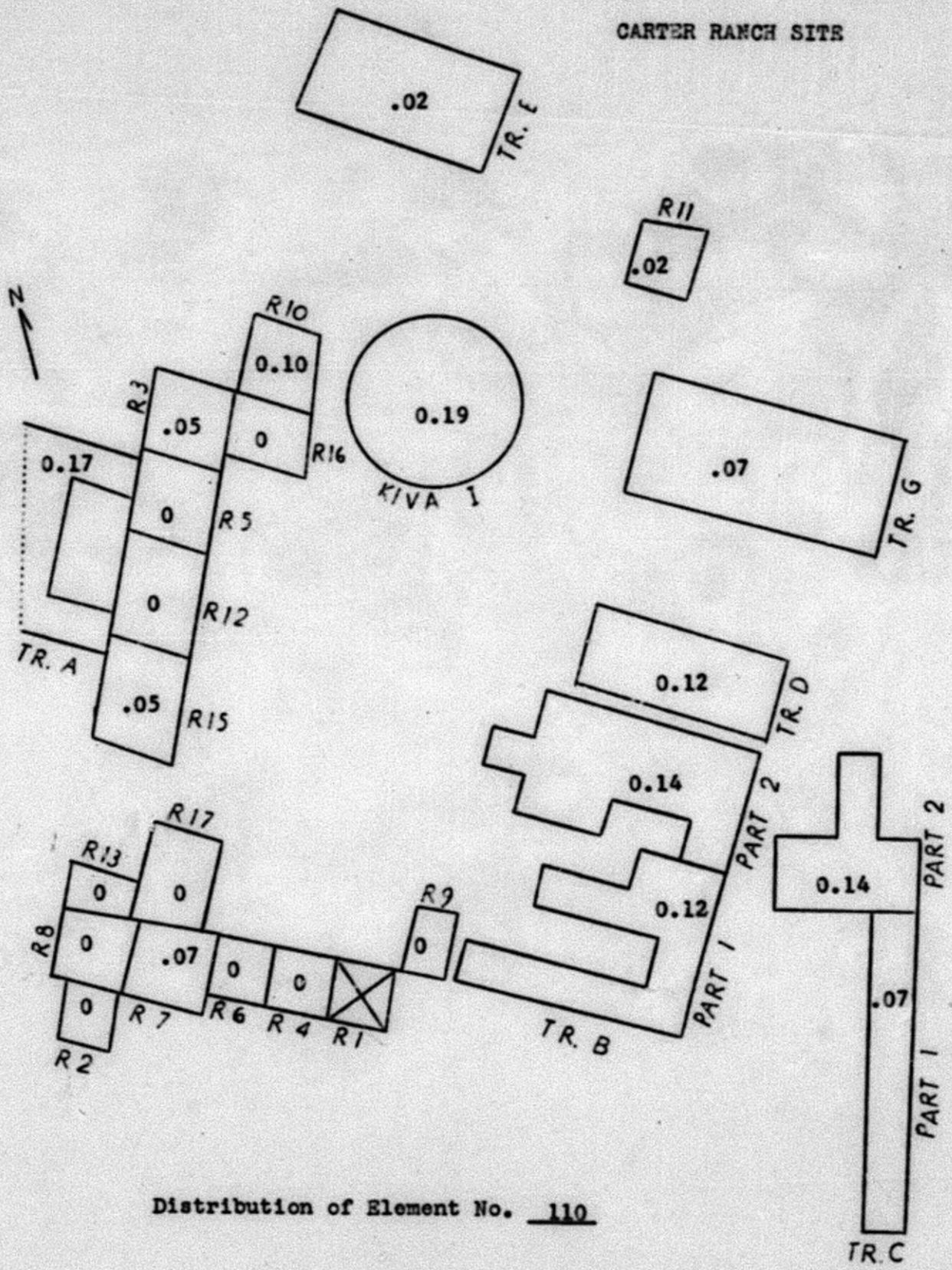
Distribution of Element No. 108

CARTER RANCH SITE



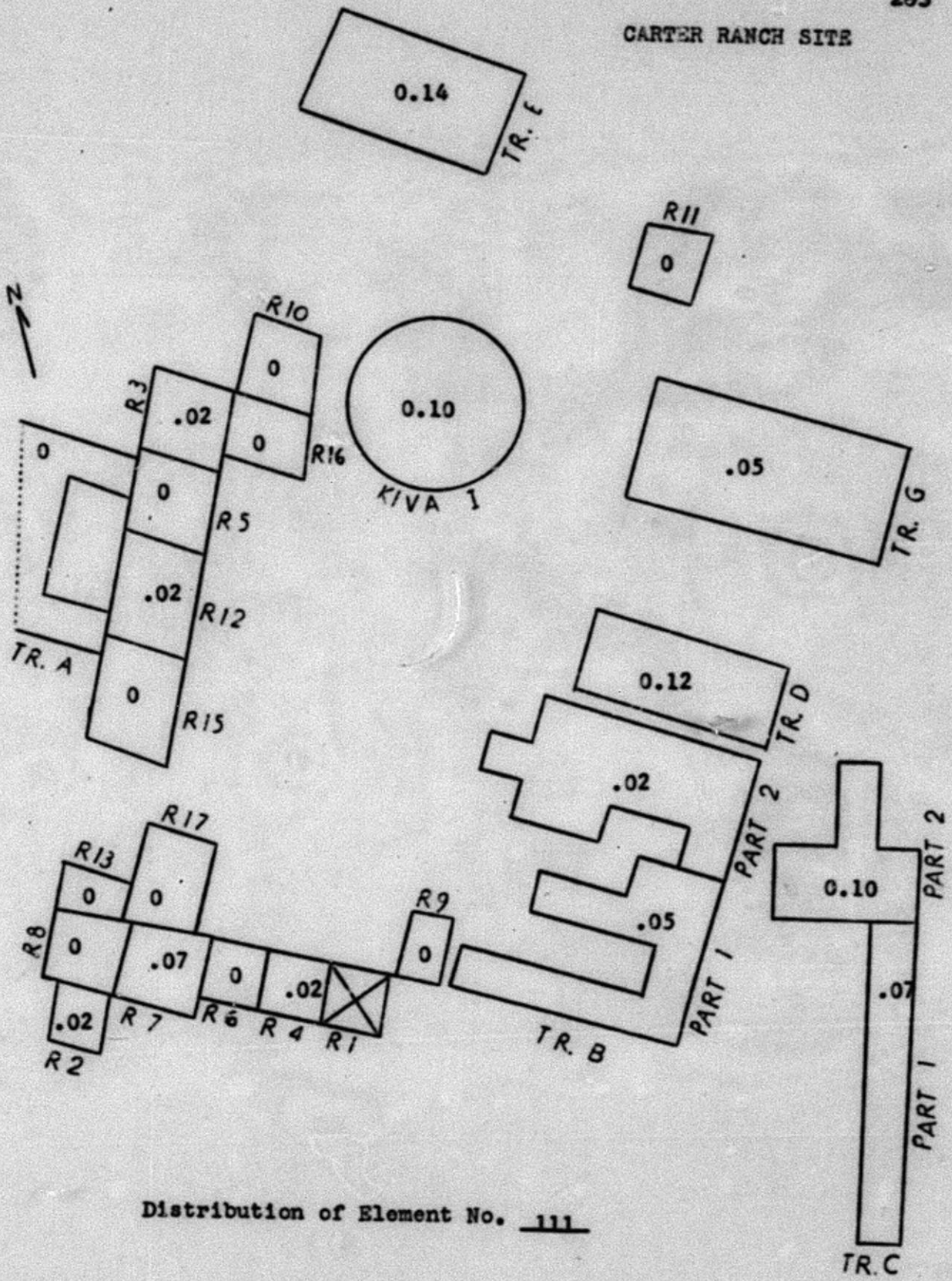
Distribution of Element No. 109

CARTER RANCH SITE



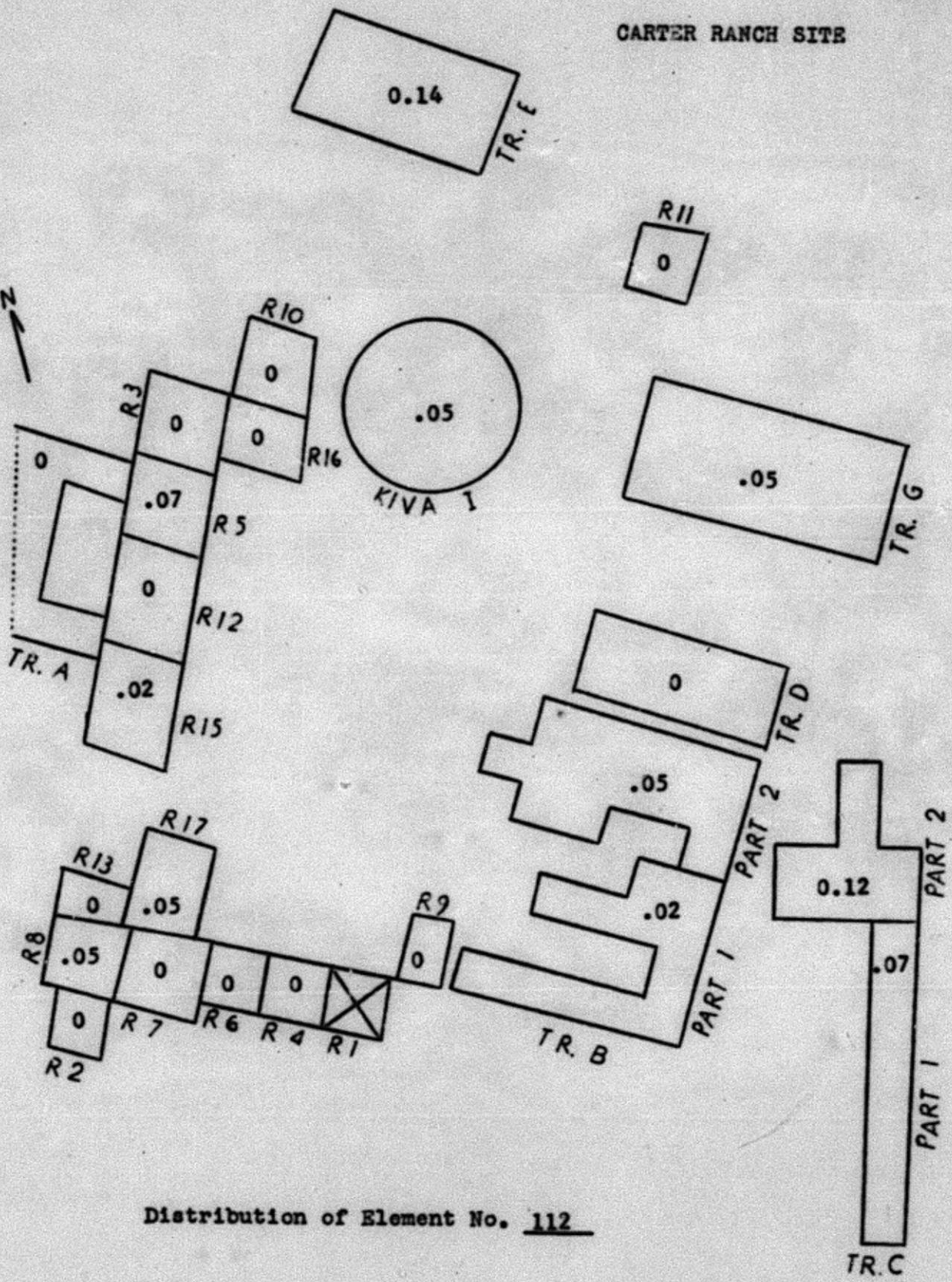
Distribution of Element No. 110

CARTER RANCH SITE



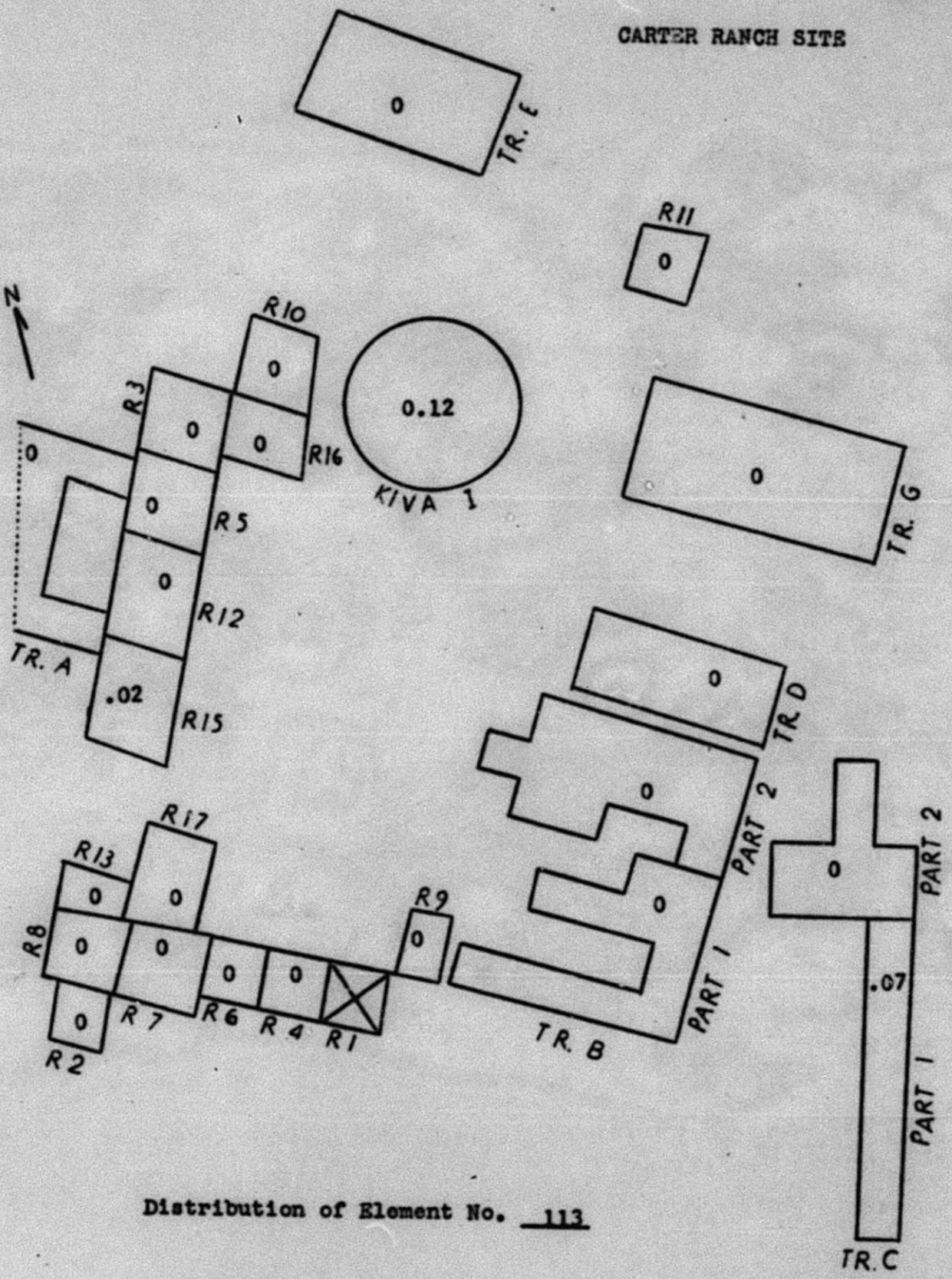
Distribution of Element No. 111

CARTER RANCH SITE



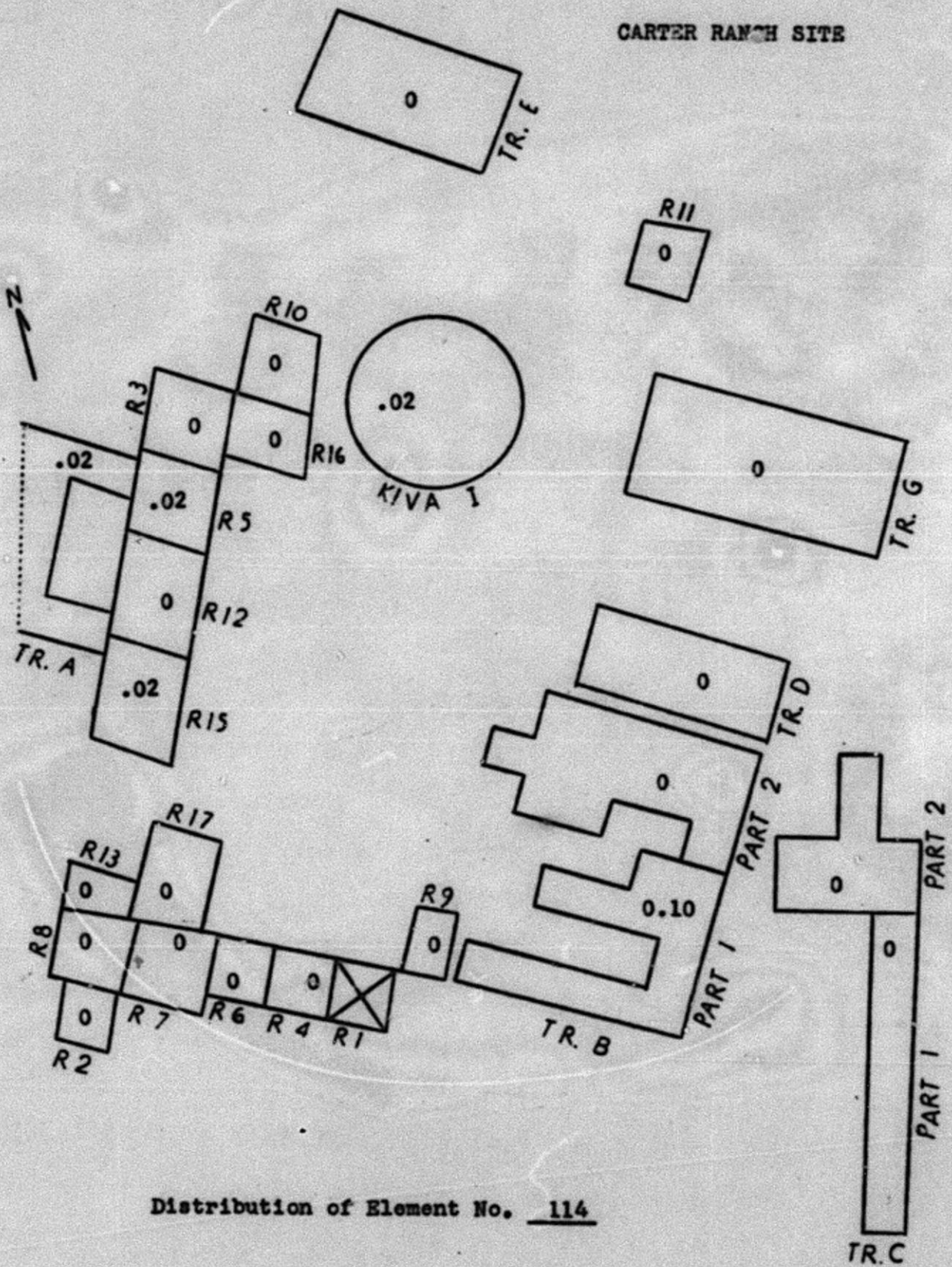
Distribution of Element No. 112

CARTER RANCH SITE



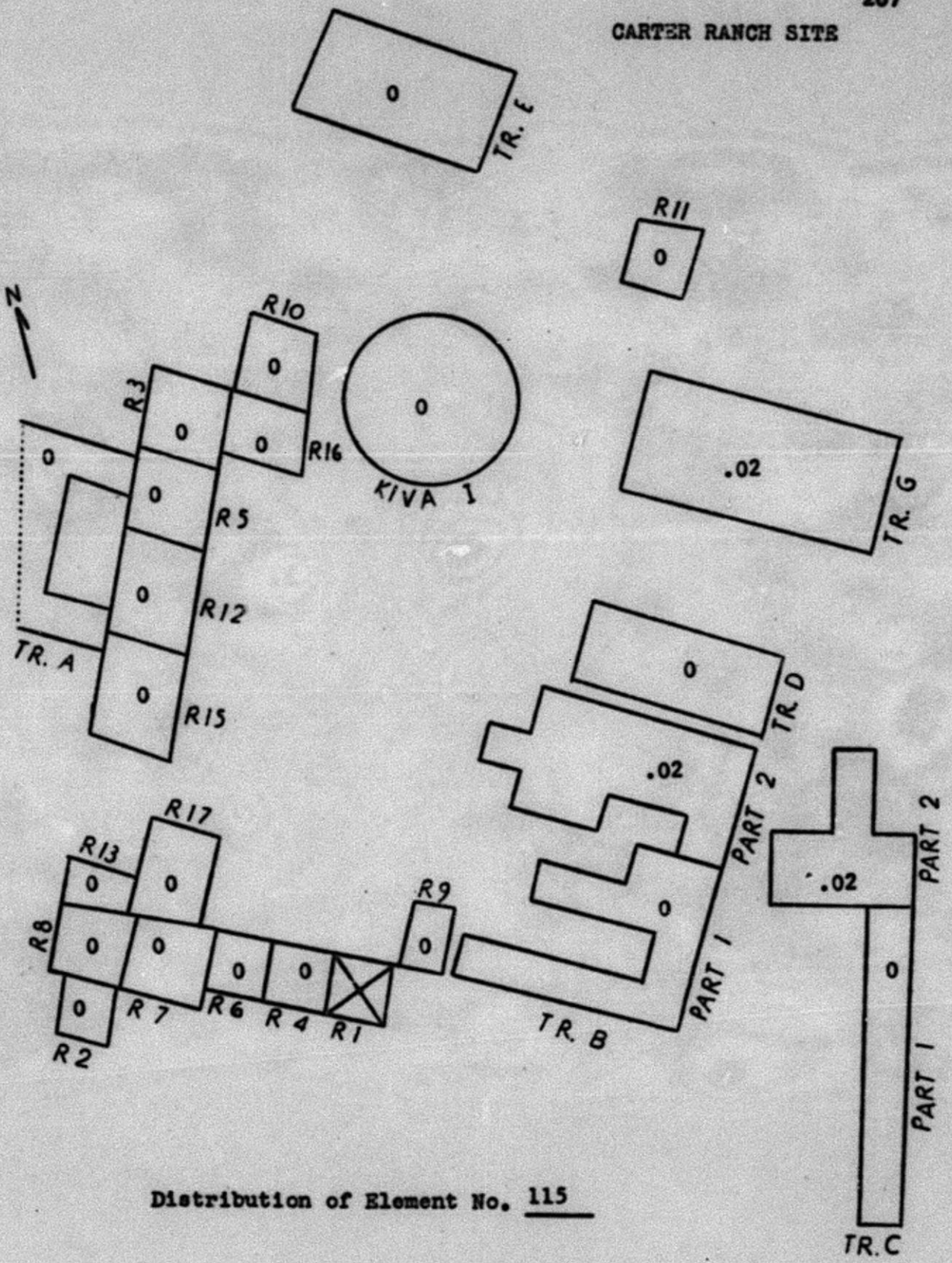
Distribution of Element No. 113

CARTER RANCH SITE



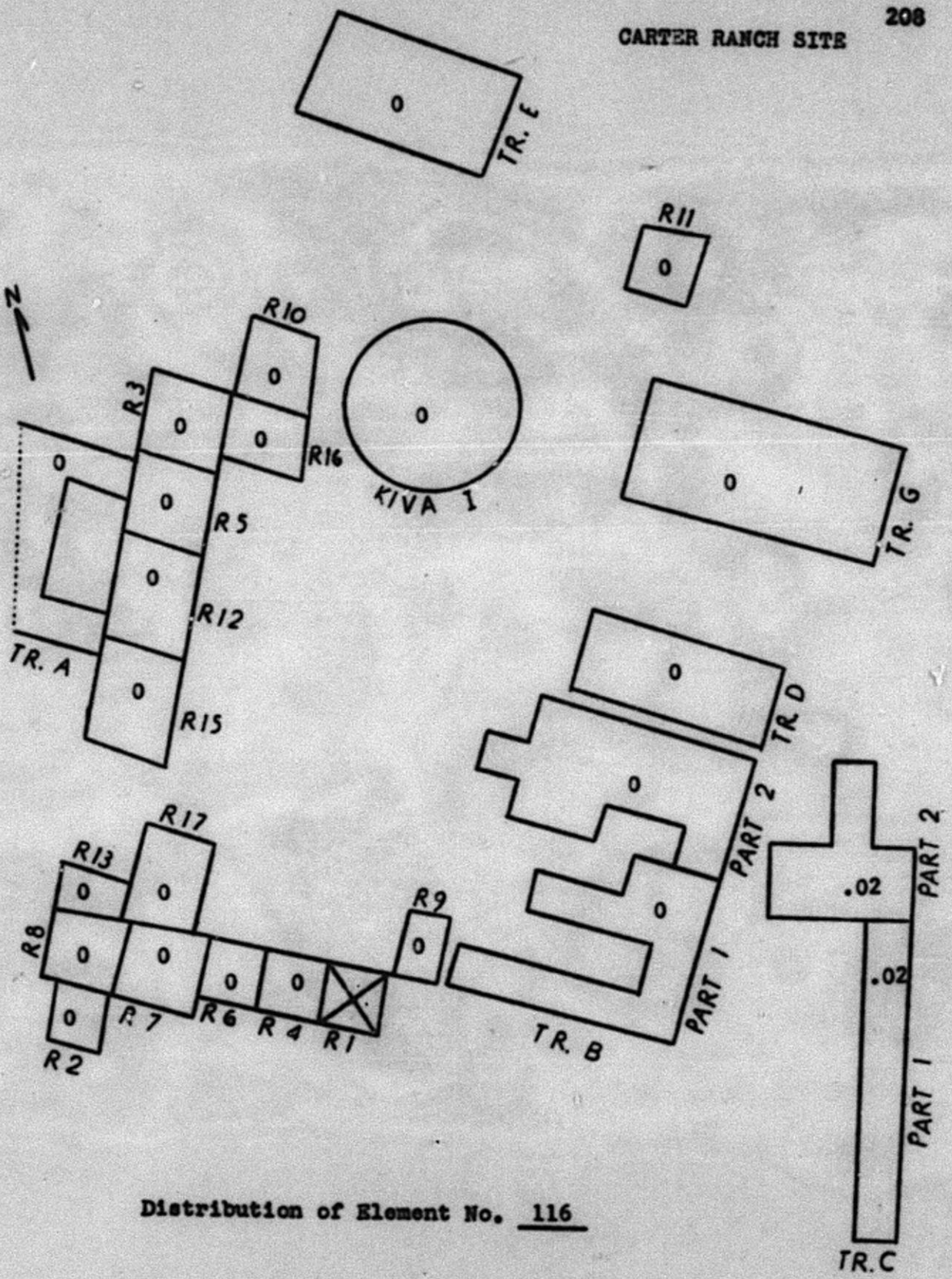
Distribution of Element No. 114

CARTER RANCH SITE



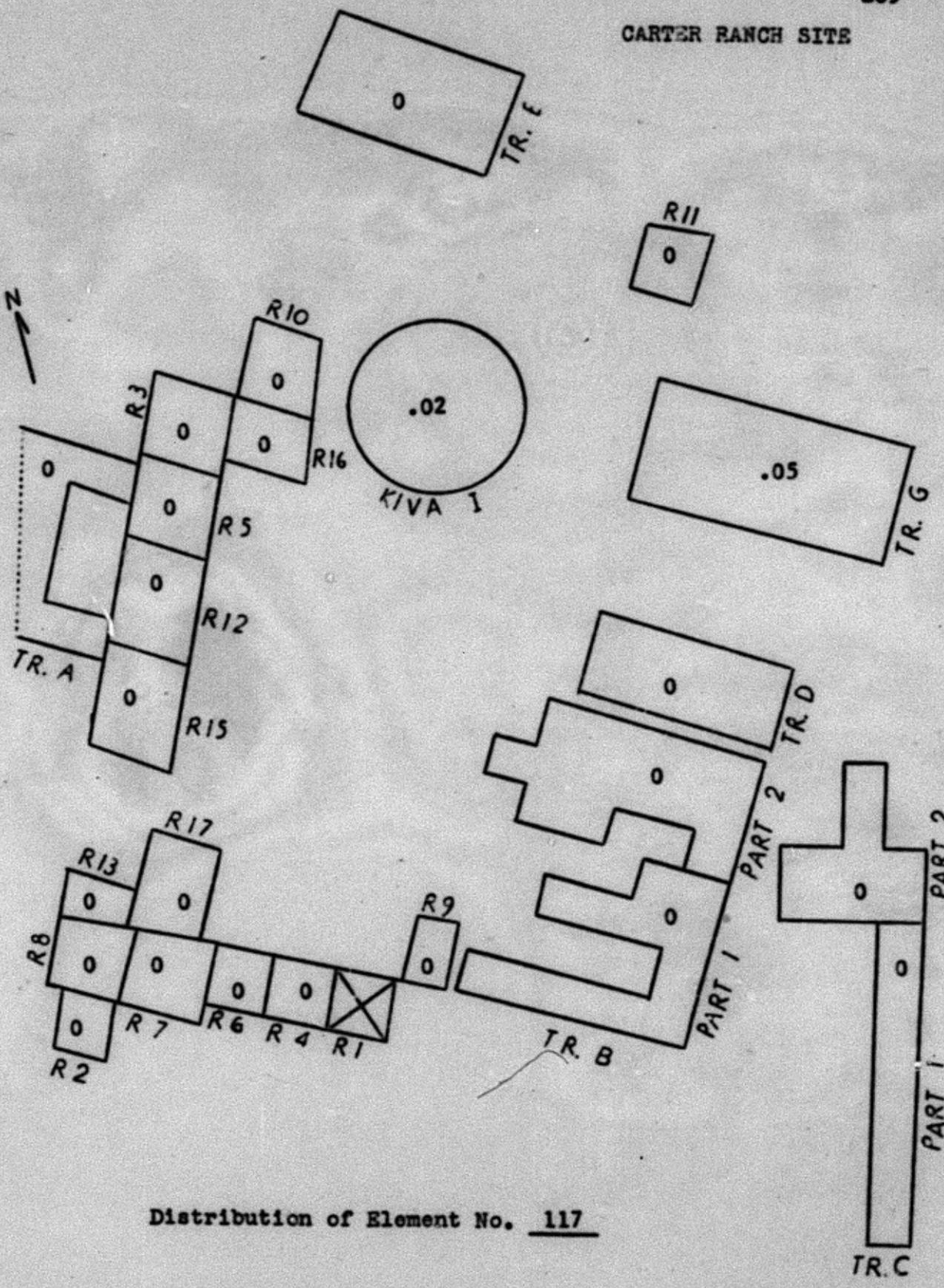
Distribution of Element No. 115

CARTER RANCH SITE



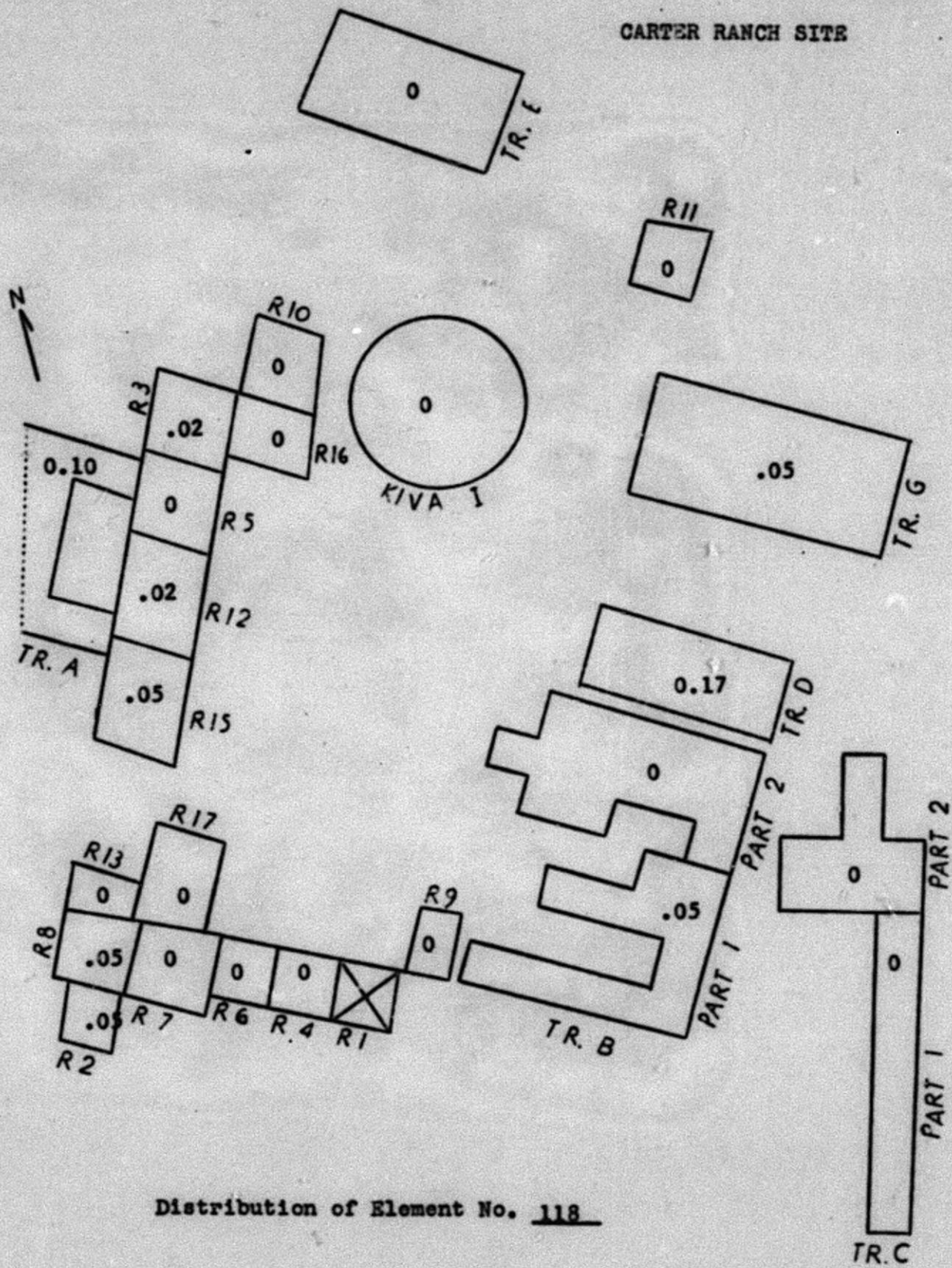
Distribution of Element No. 116

CARTER RANCH SITE



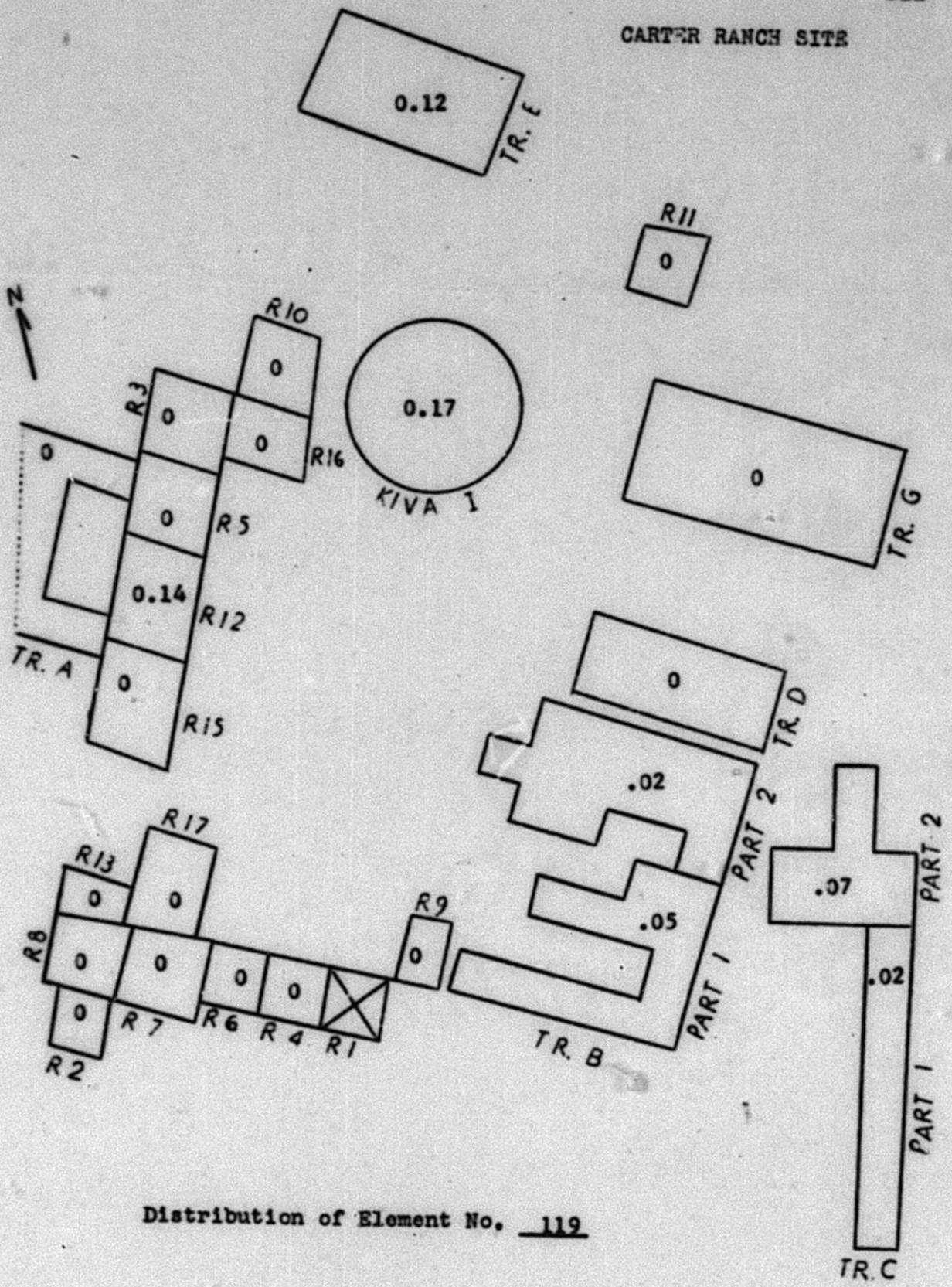
Distribution of Element No. 117

CARTER RANCH SITE



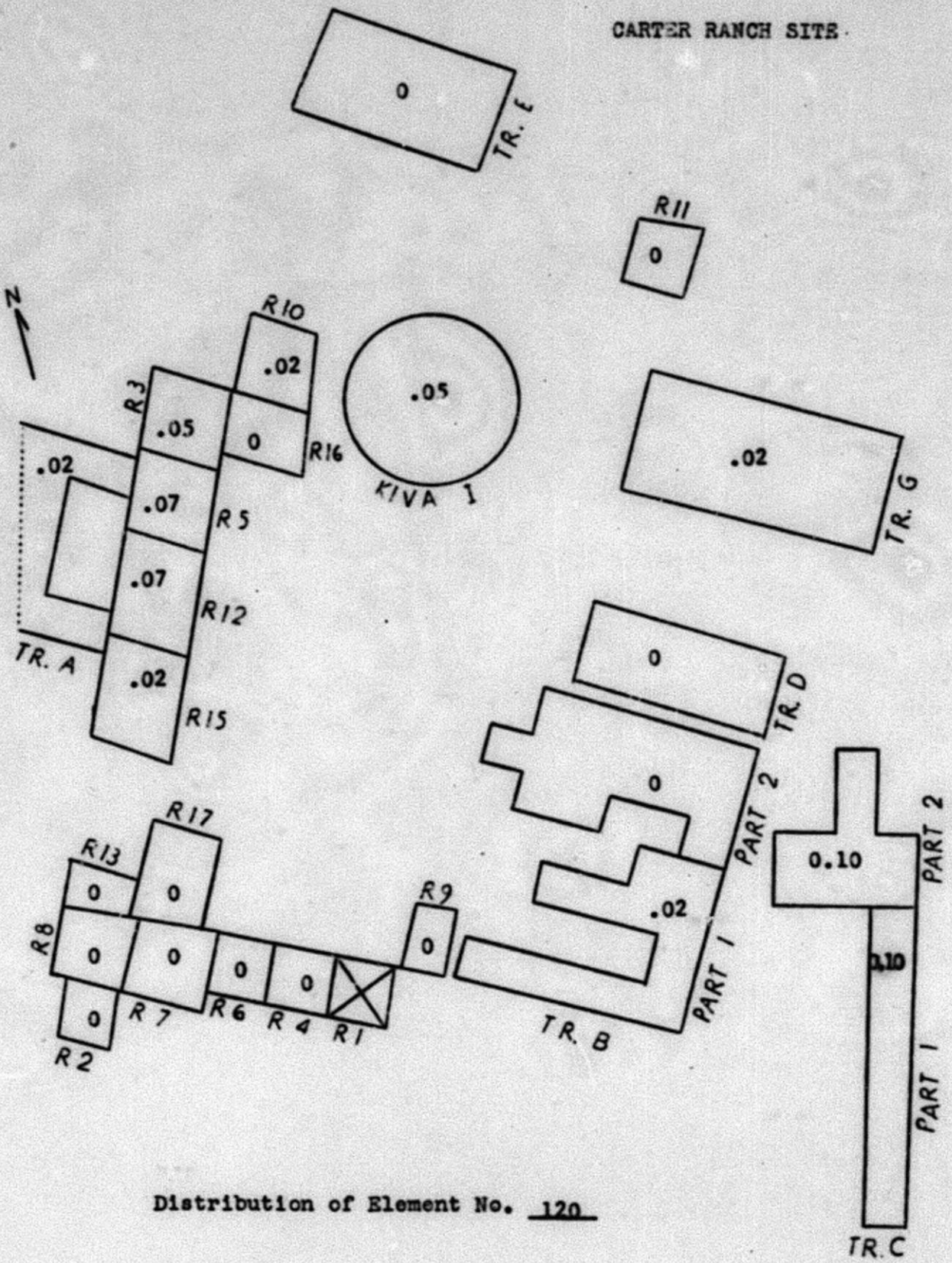
Distribution of Element No. 118

CARTER RANCH SITE



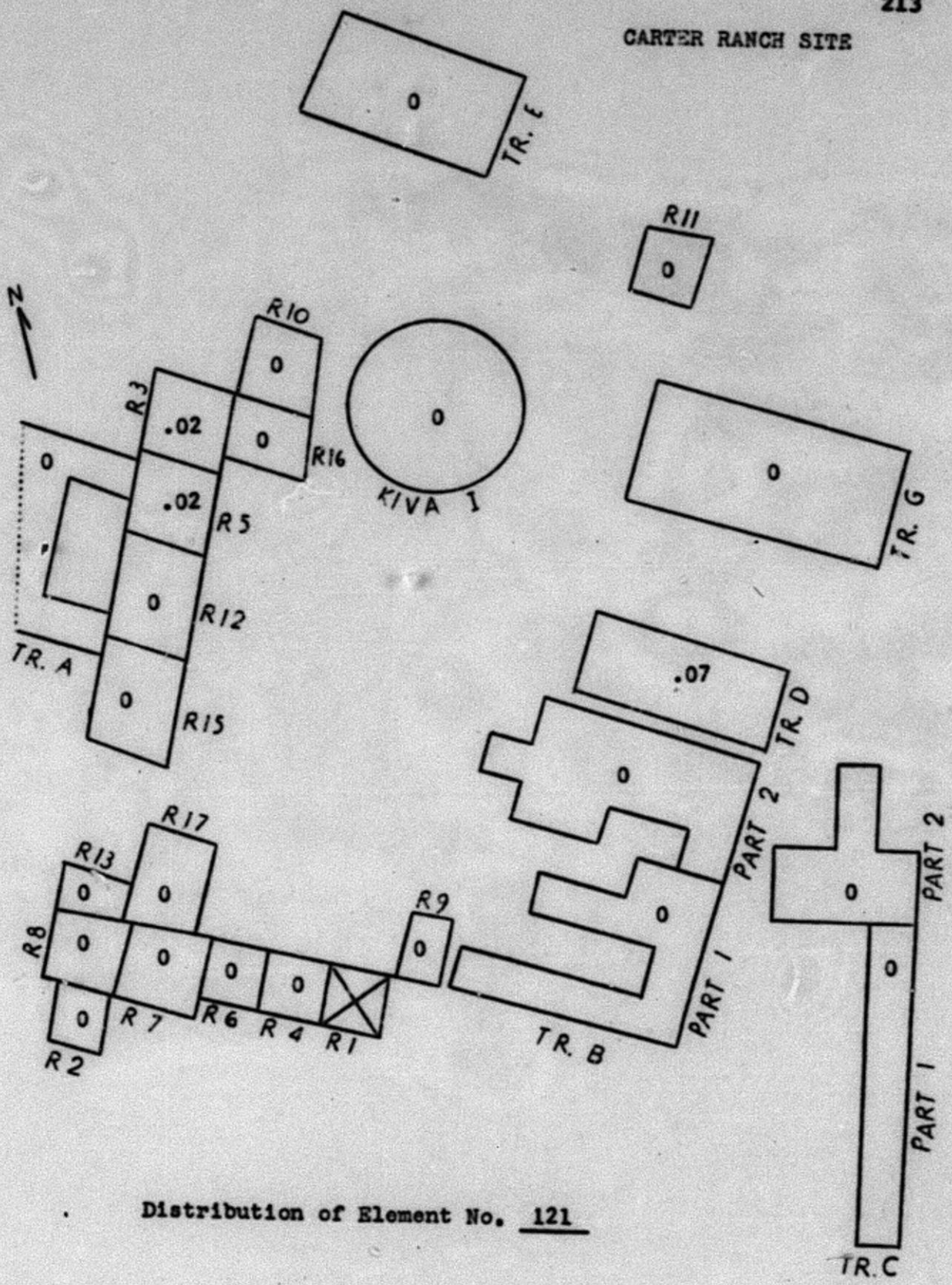
Distribution of Element No. 119

CARTER RANCH SITE



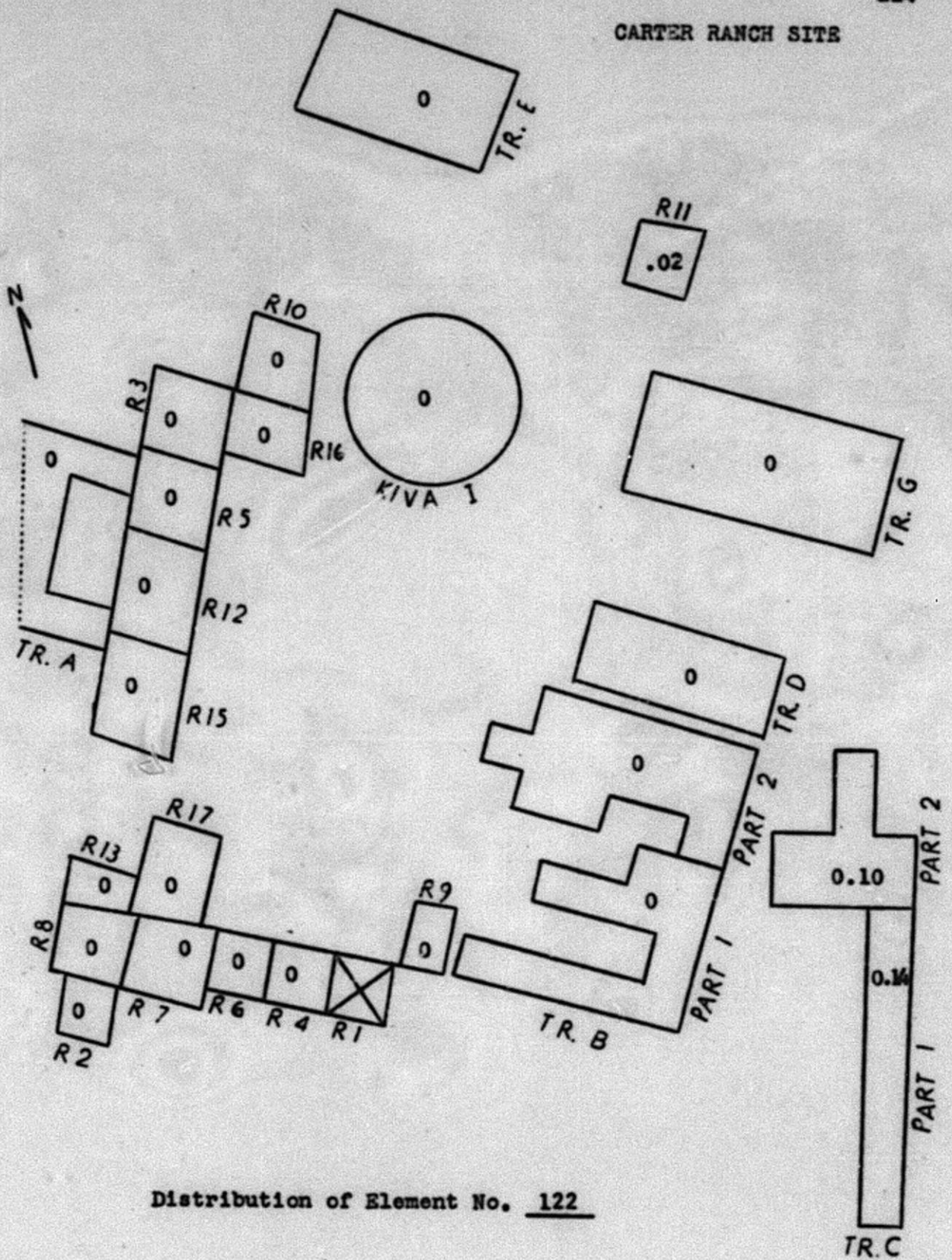
Distribution of Element No. 120

CARTER RANCH SITE



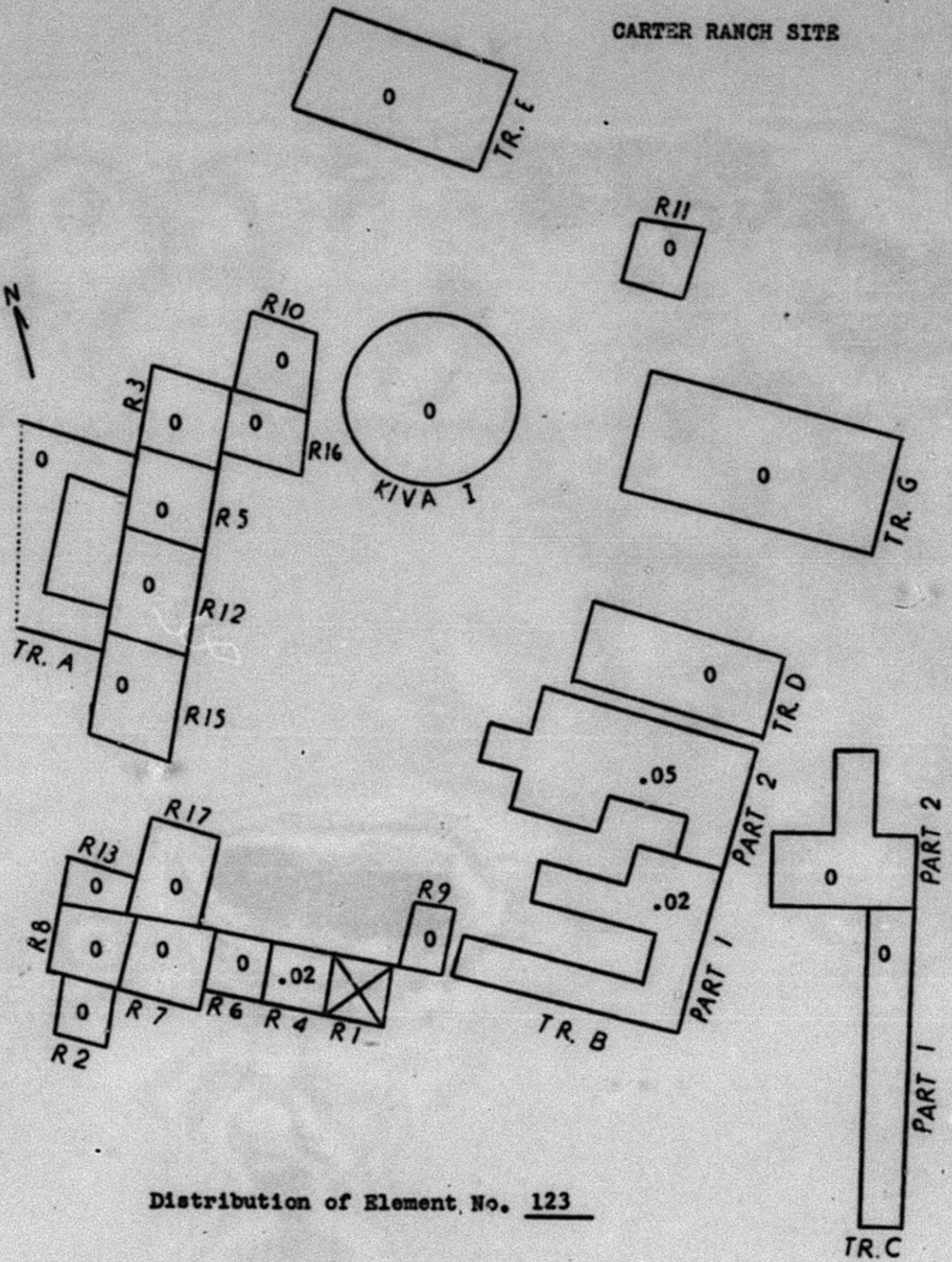
Distribution of Element No. 121

CARTER RANCH SITE



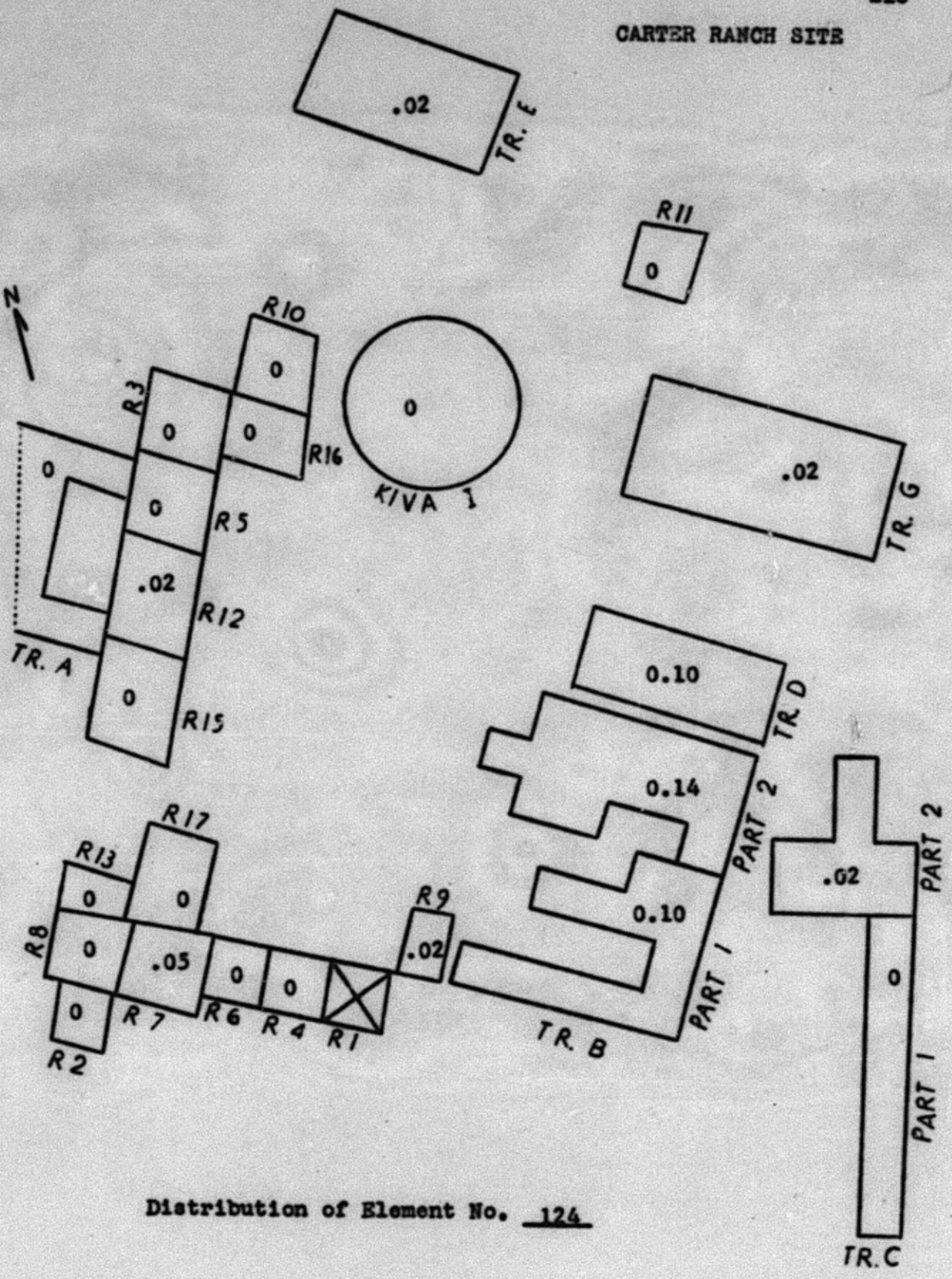
Distribution of Element No. 122

CARTER RANCH SITE



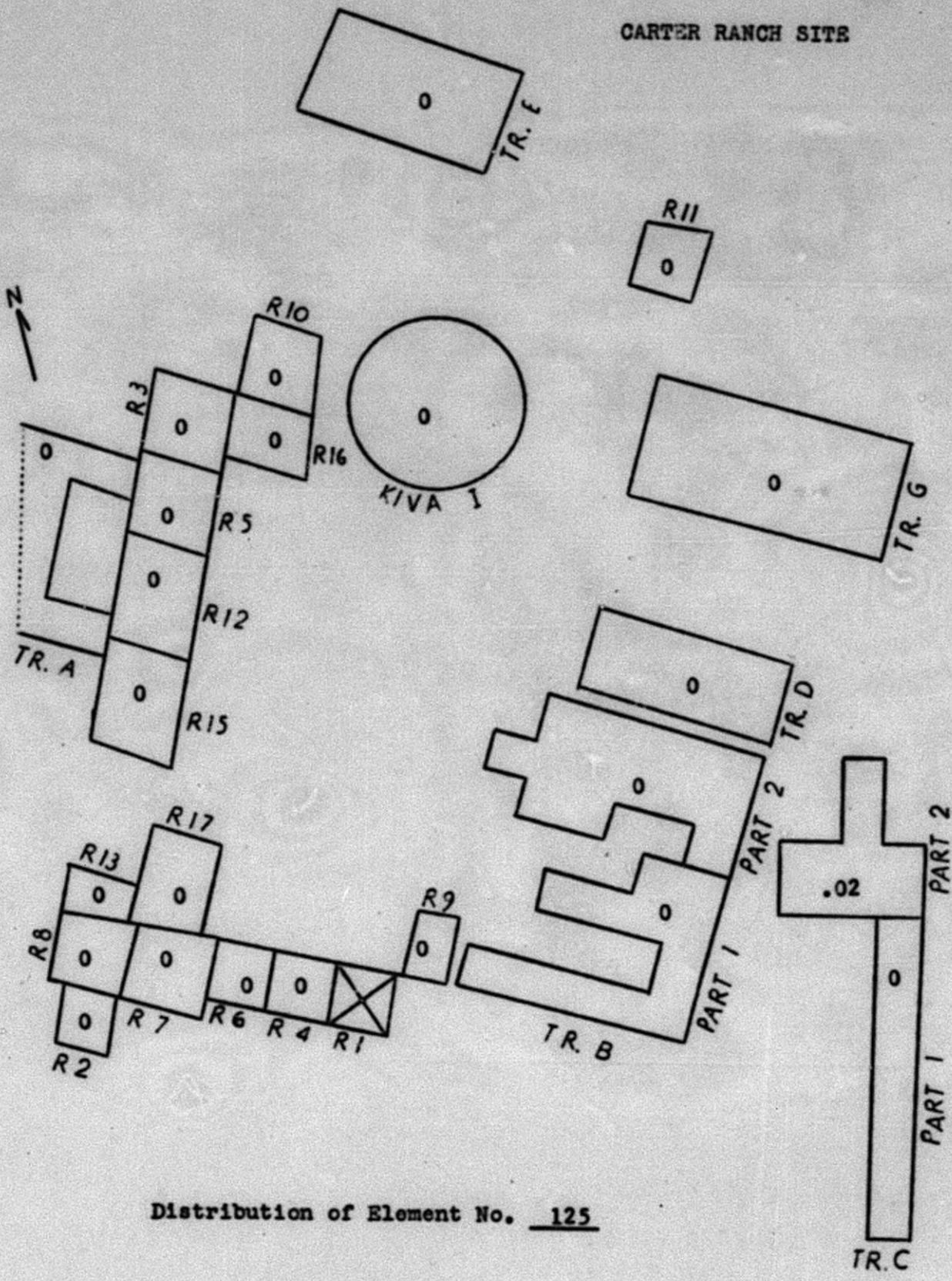
Distribution of Element No. 123

CARTER RANCH SITE



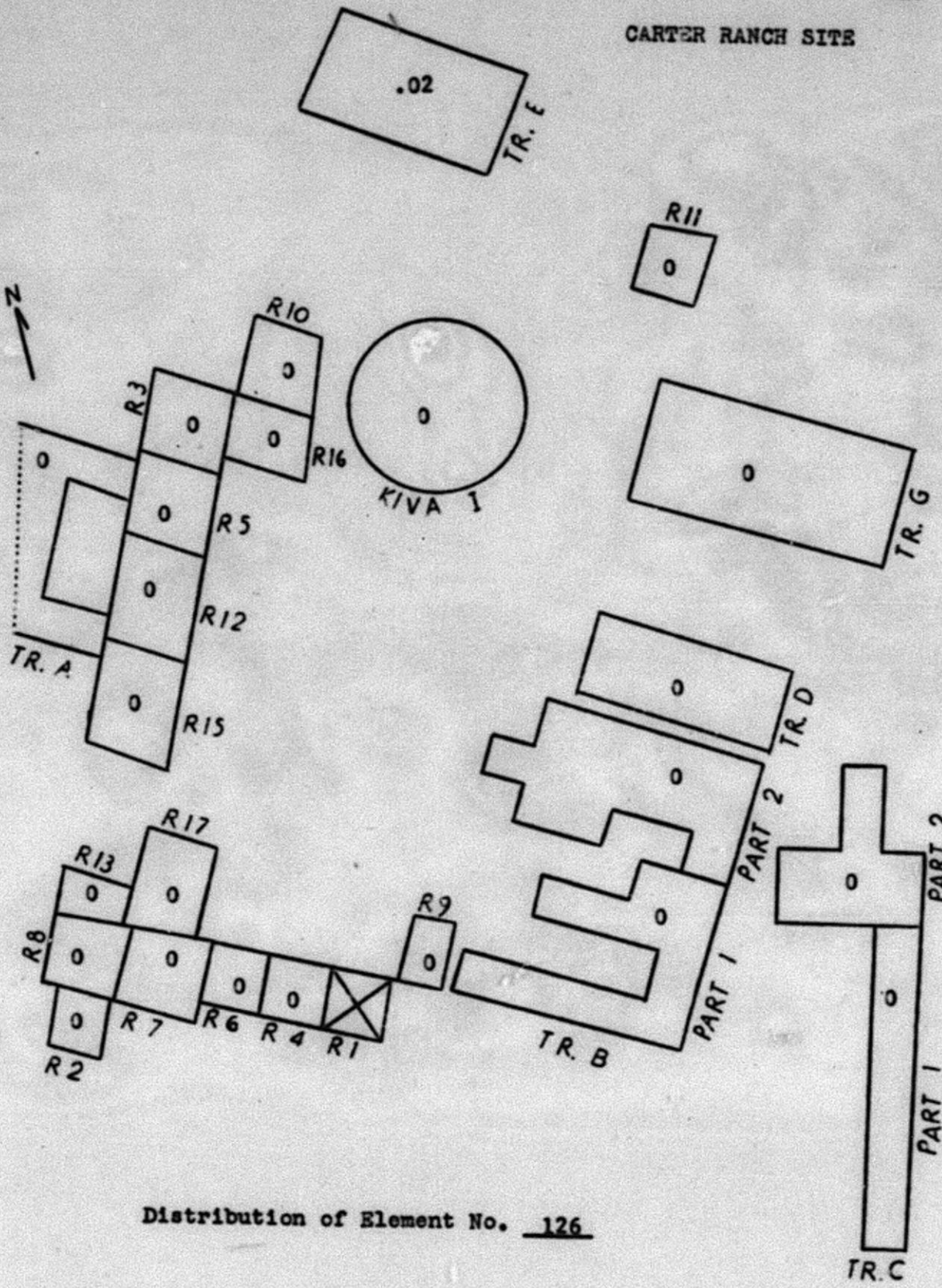
Distribution of Element No. 124

CARTER RANCH SITE



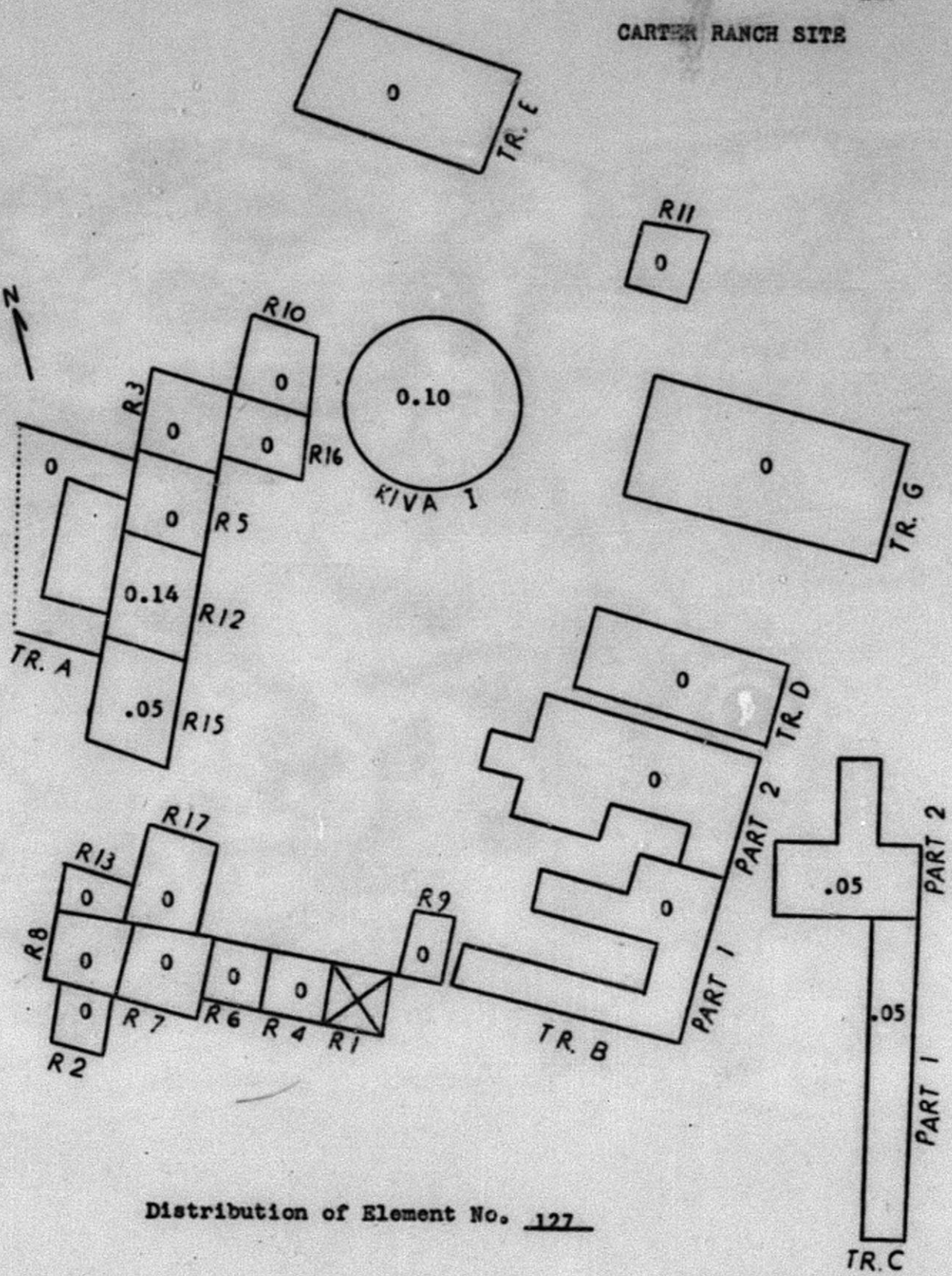
Distribution of Element No. 125

CARTER RANCH SITE



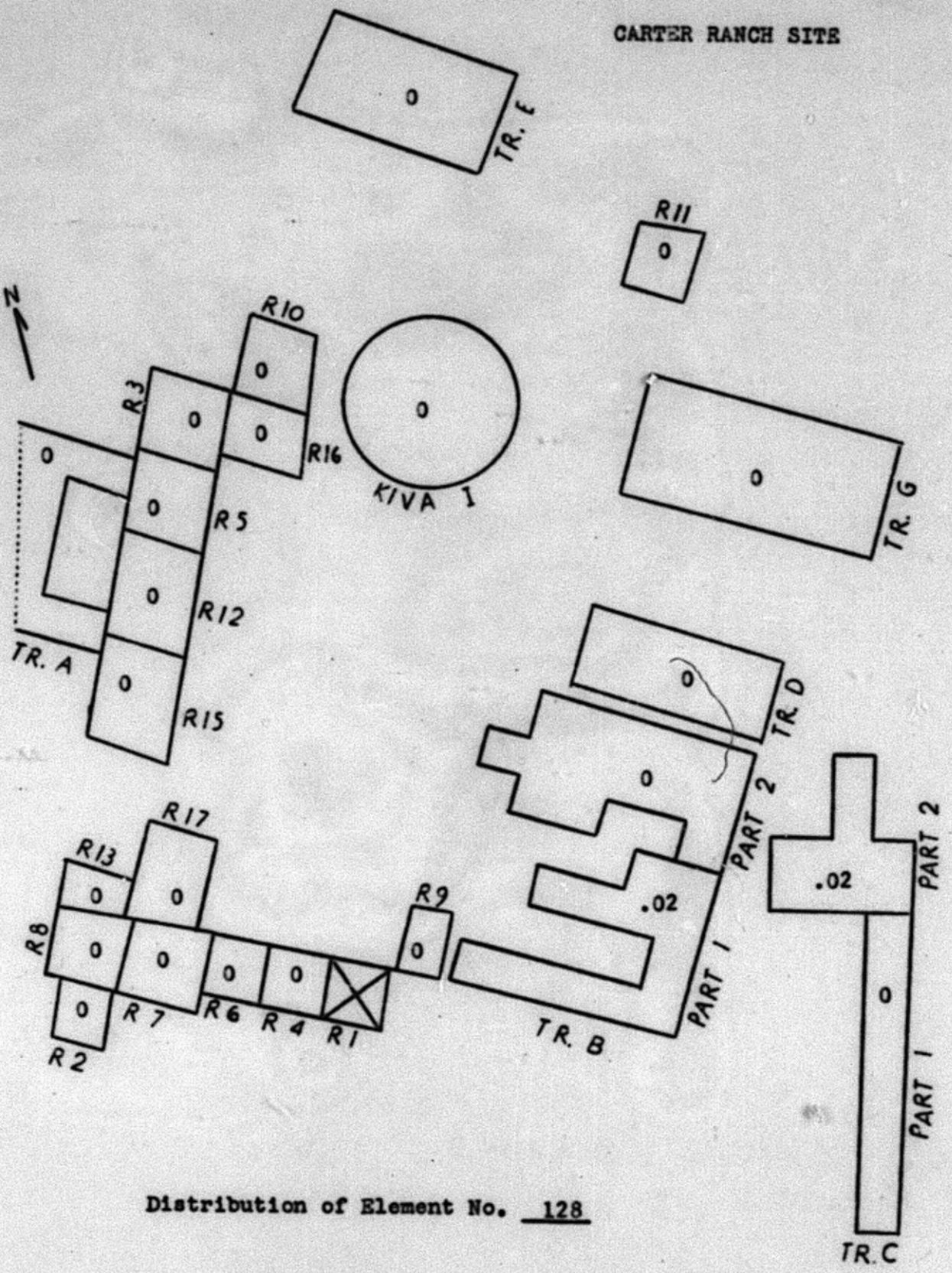
Distribution of Element No. 126

CARTER RANCH SITE



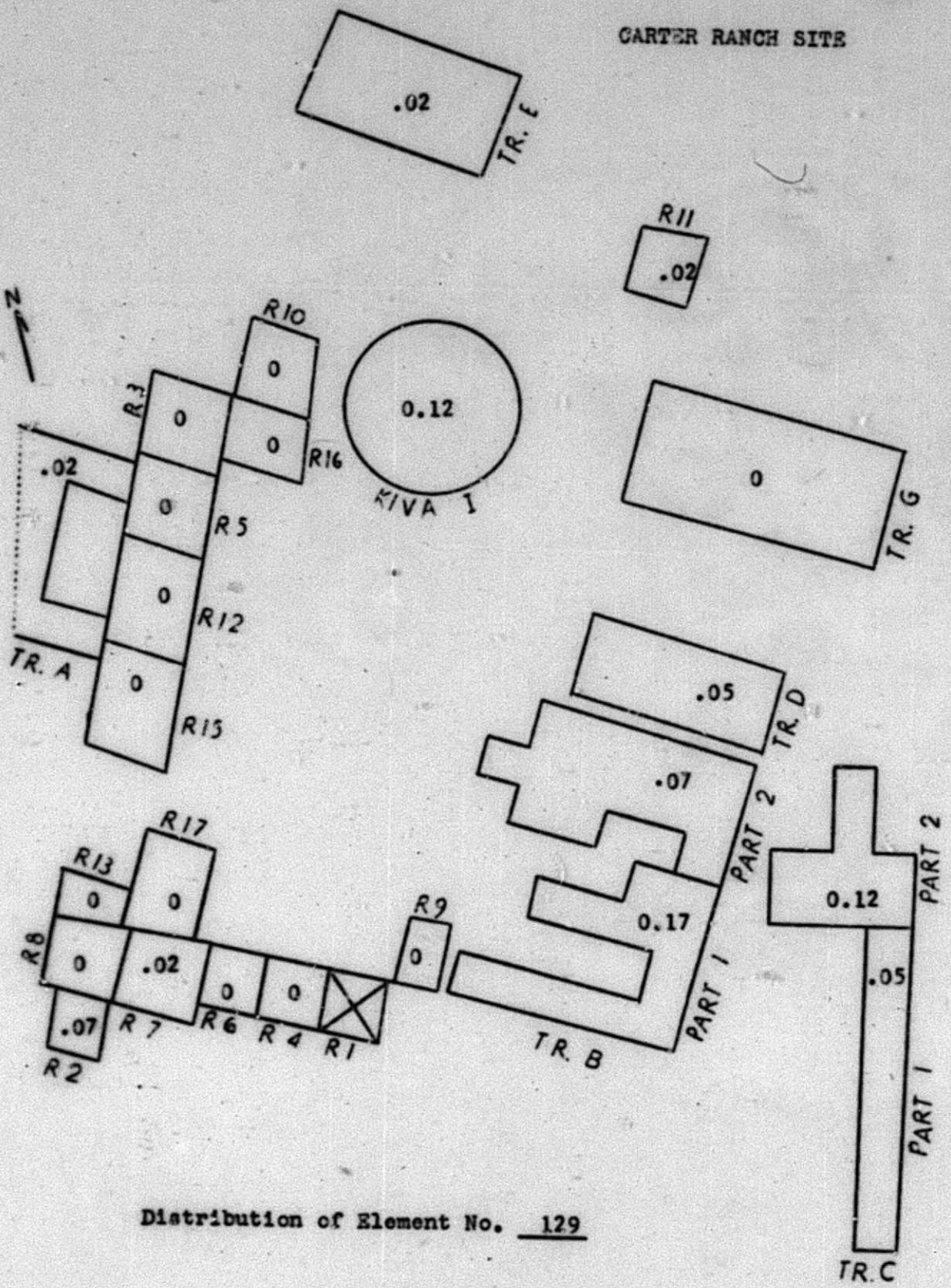
Distribution of Element No. 127

CARTER RANCH SITE



Distribution of Element No. 128

CARTER RANCH SITE



Distribution of Element No. 129

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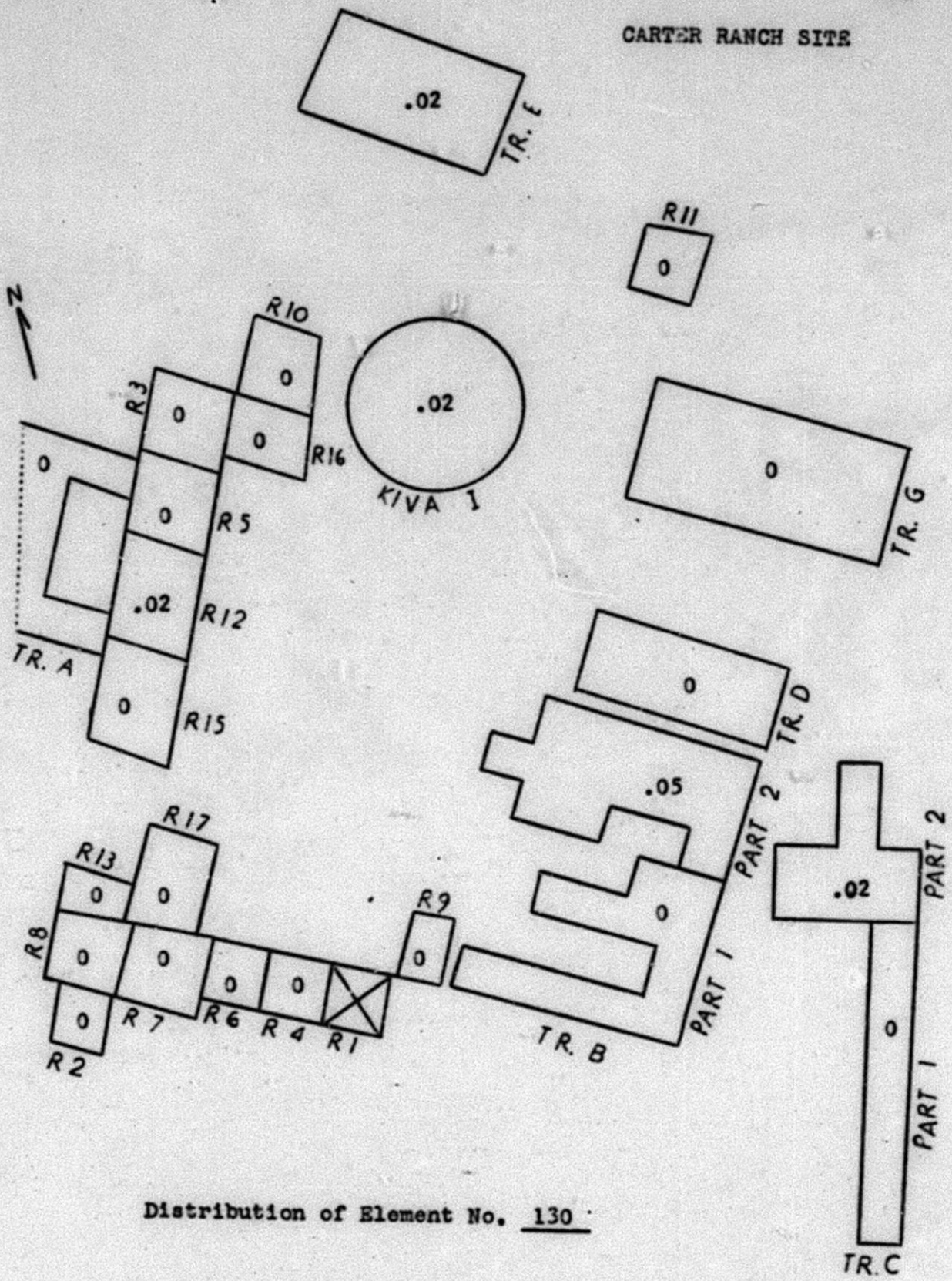
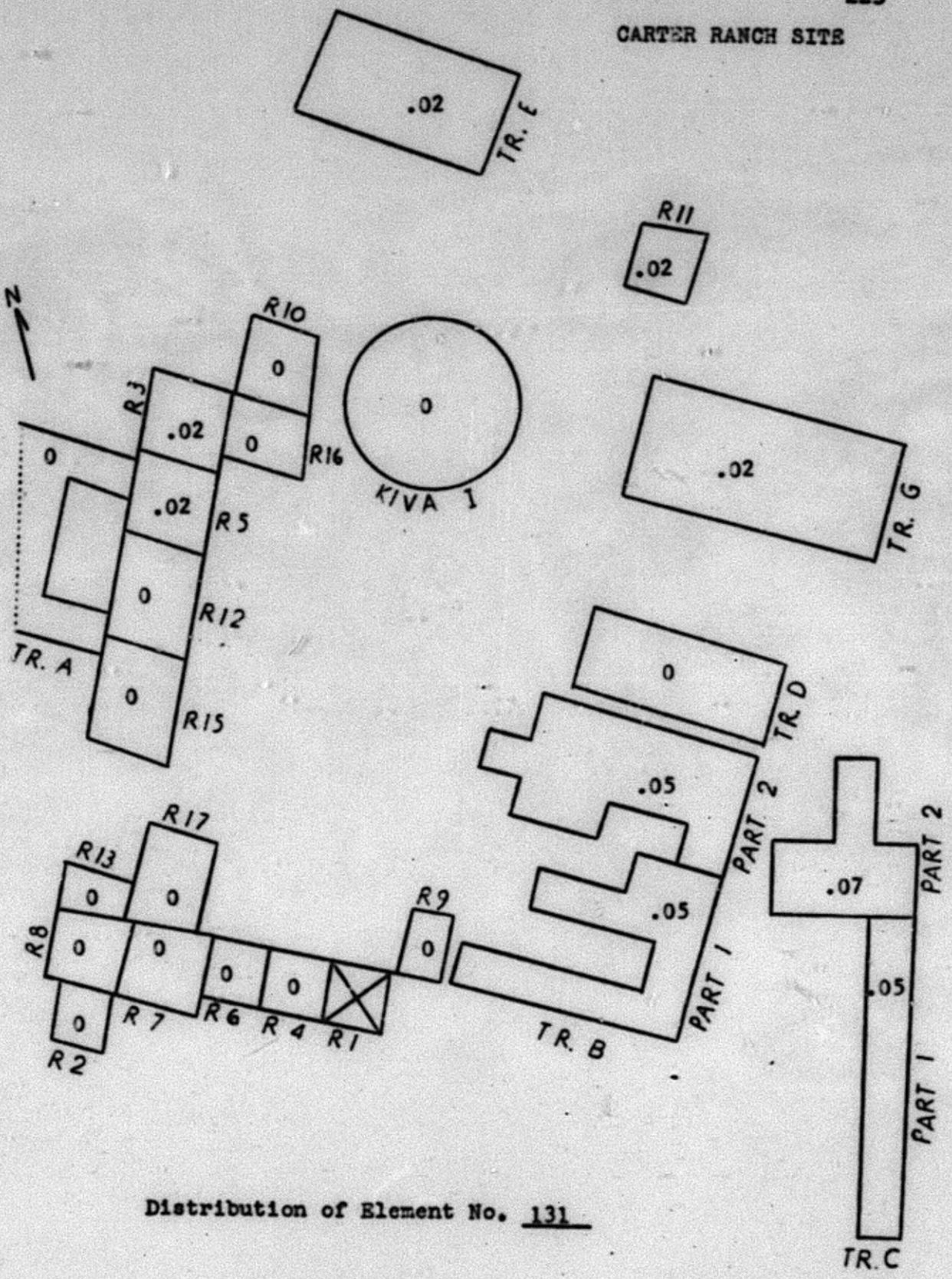


Distribution of Element No. 130

CARTER RANCH SITE



Distribution of Element No. 131

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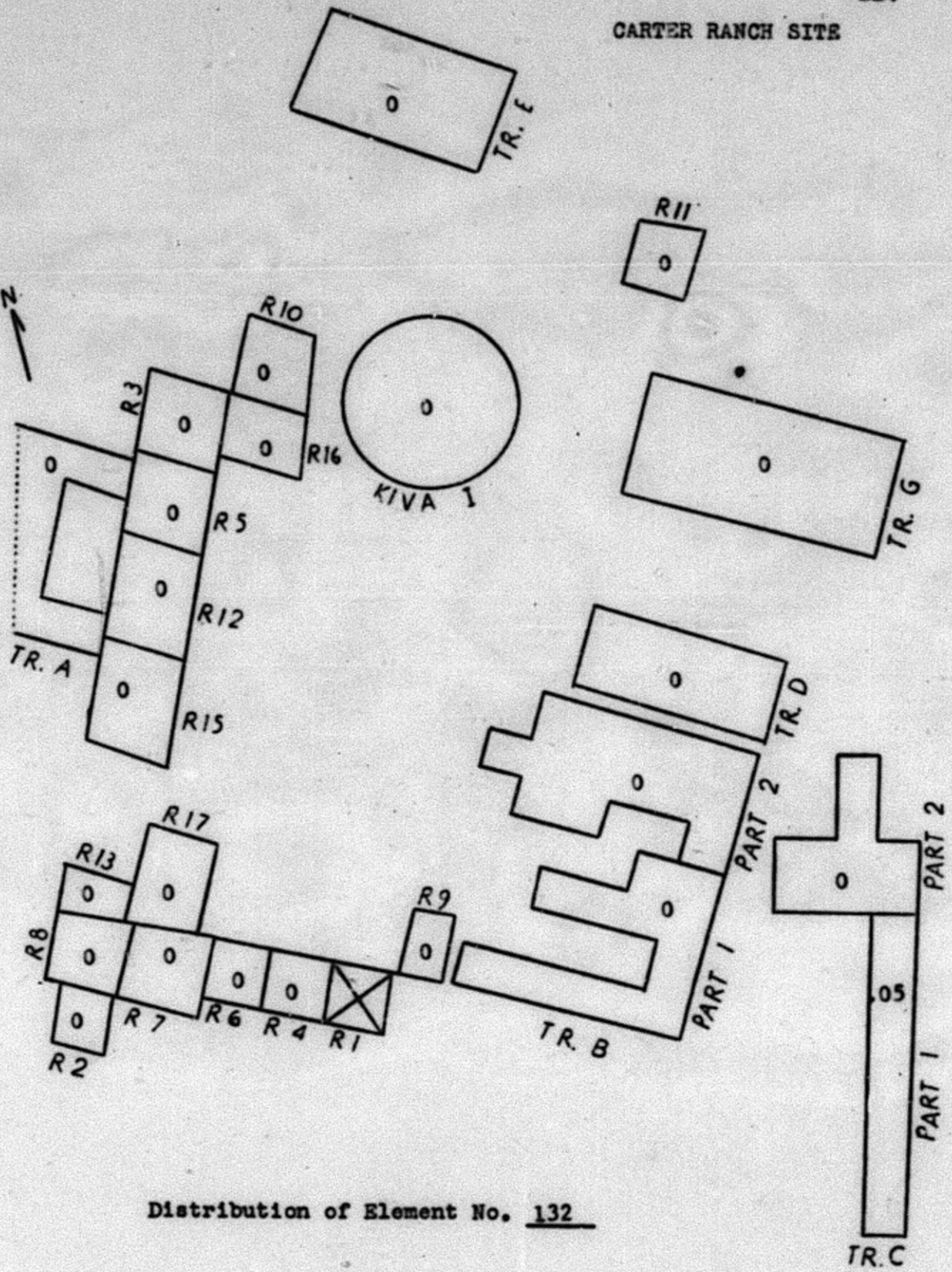
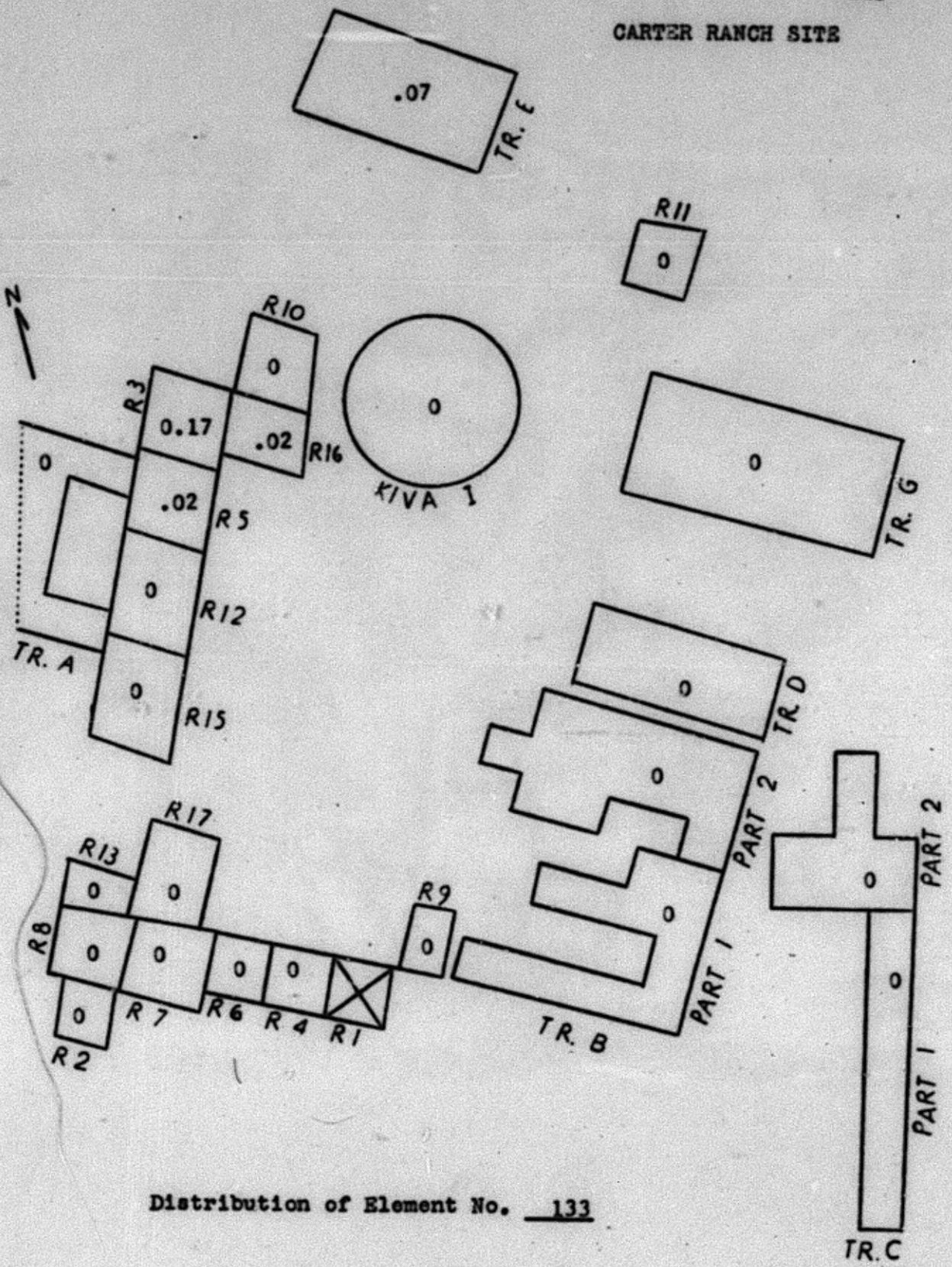


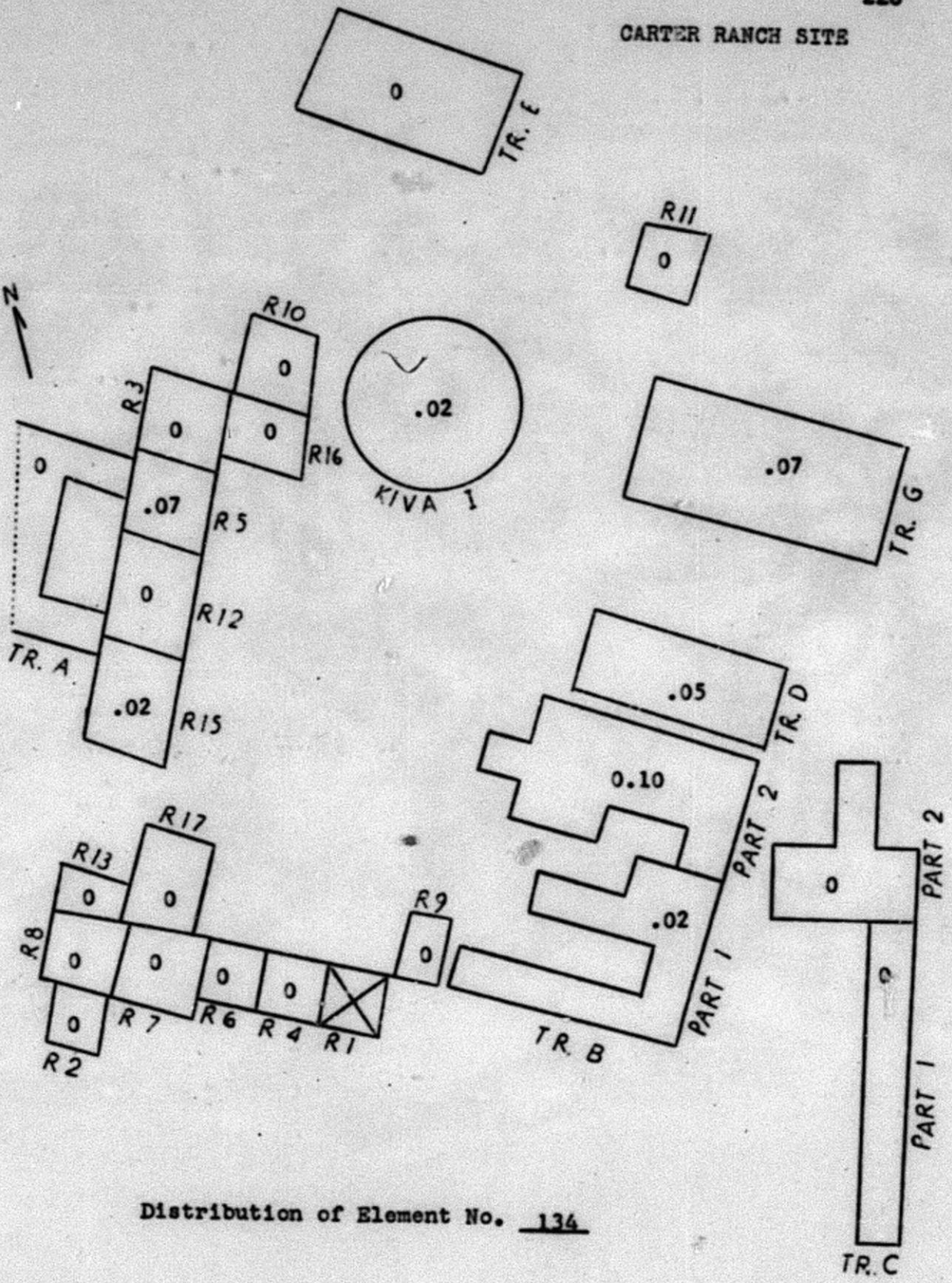
Distribution of Element No. 132

CARTER RANCH SITE



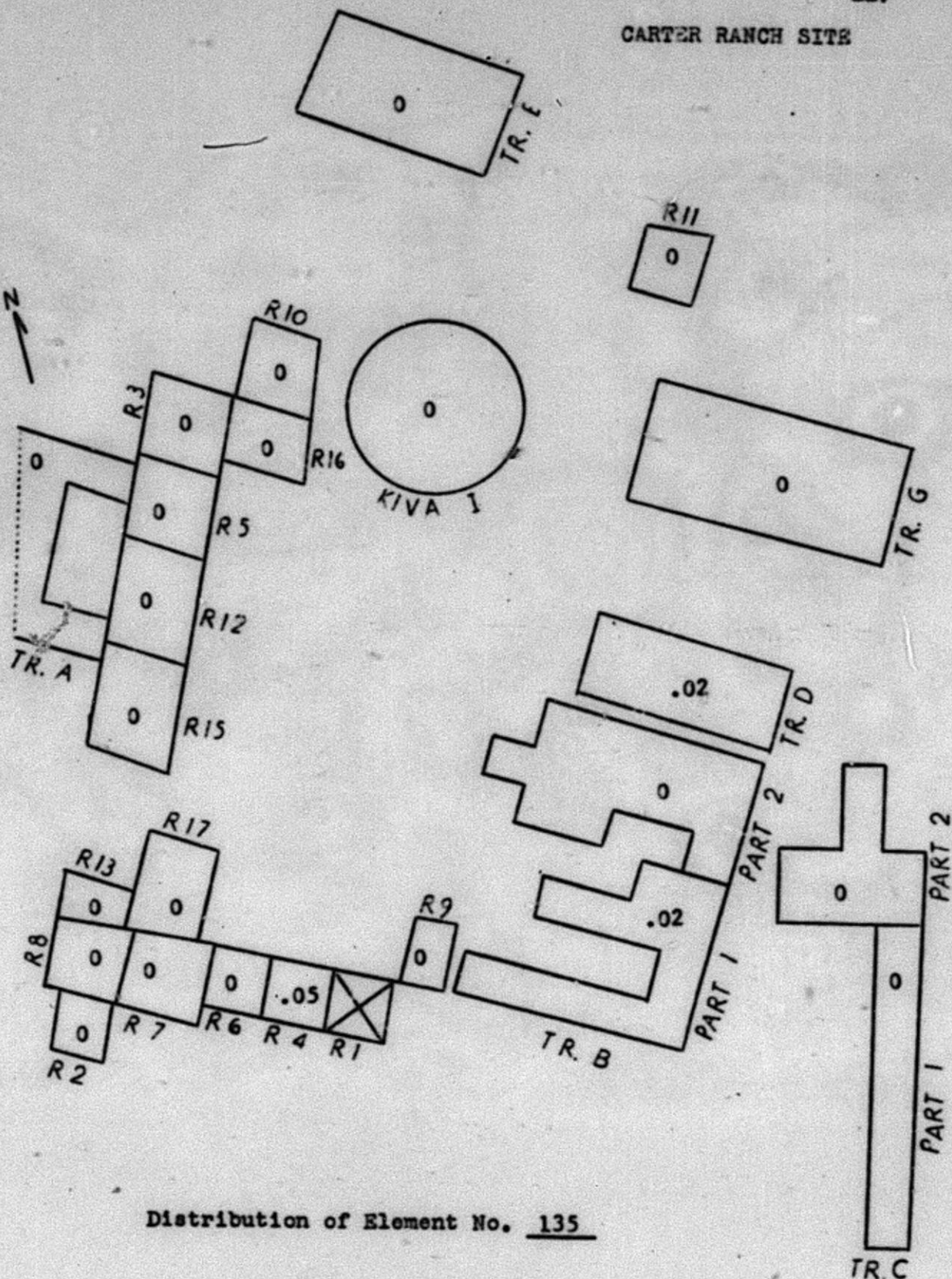
Distribution of Element No. 133

CARTER RANCH SITE



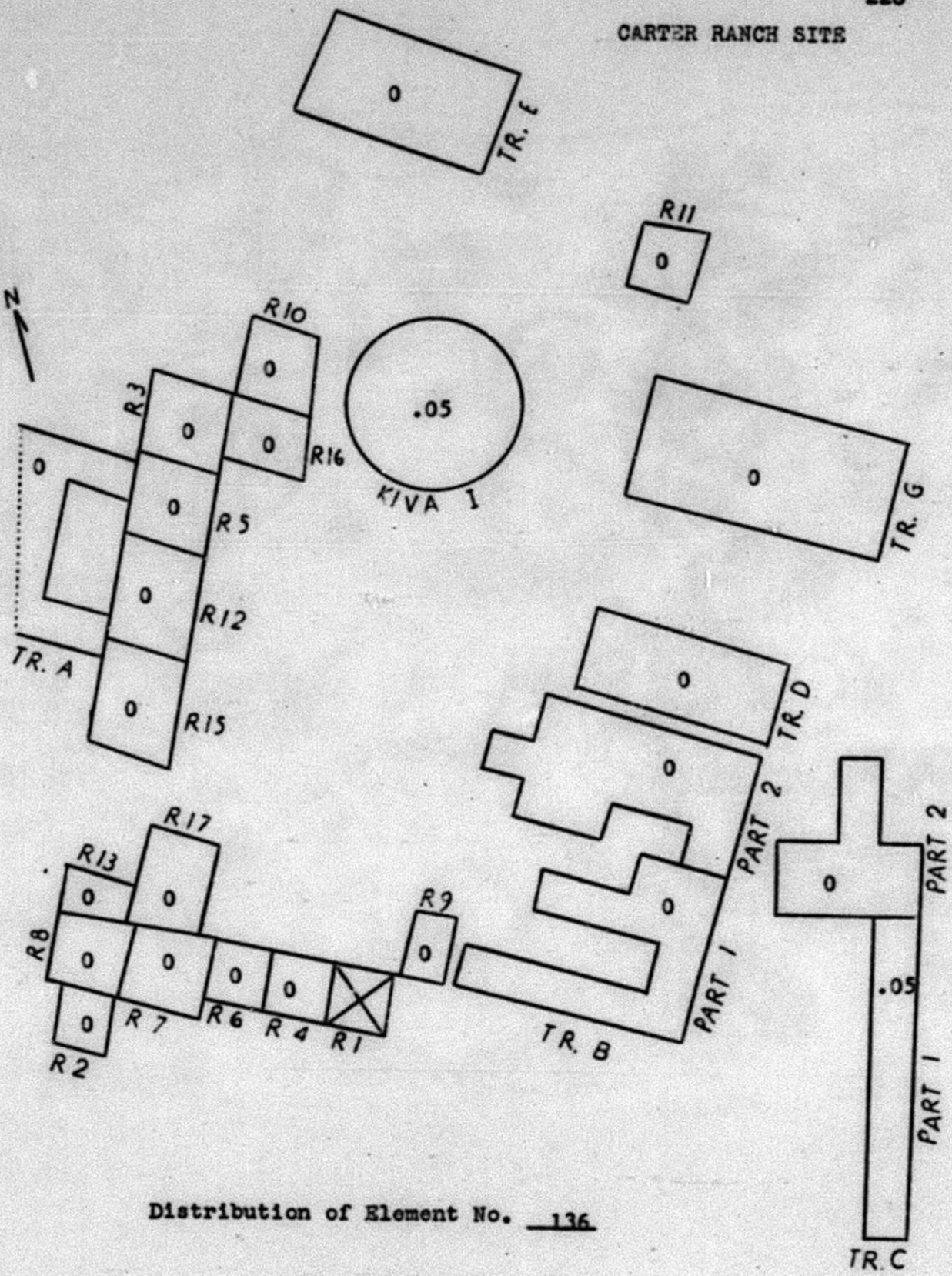
Distribution of Element No. 134

CARTER RANCH SITE



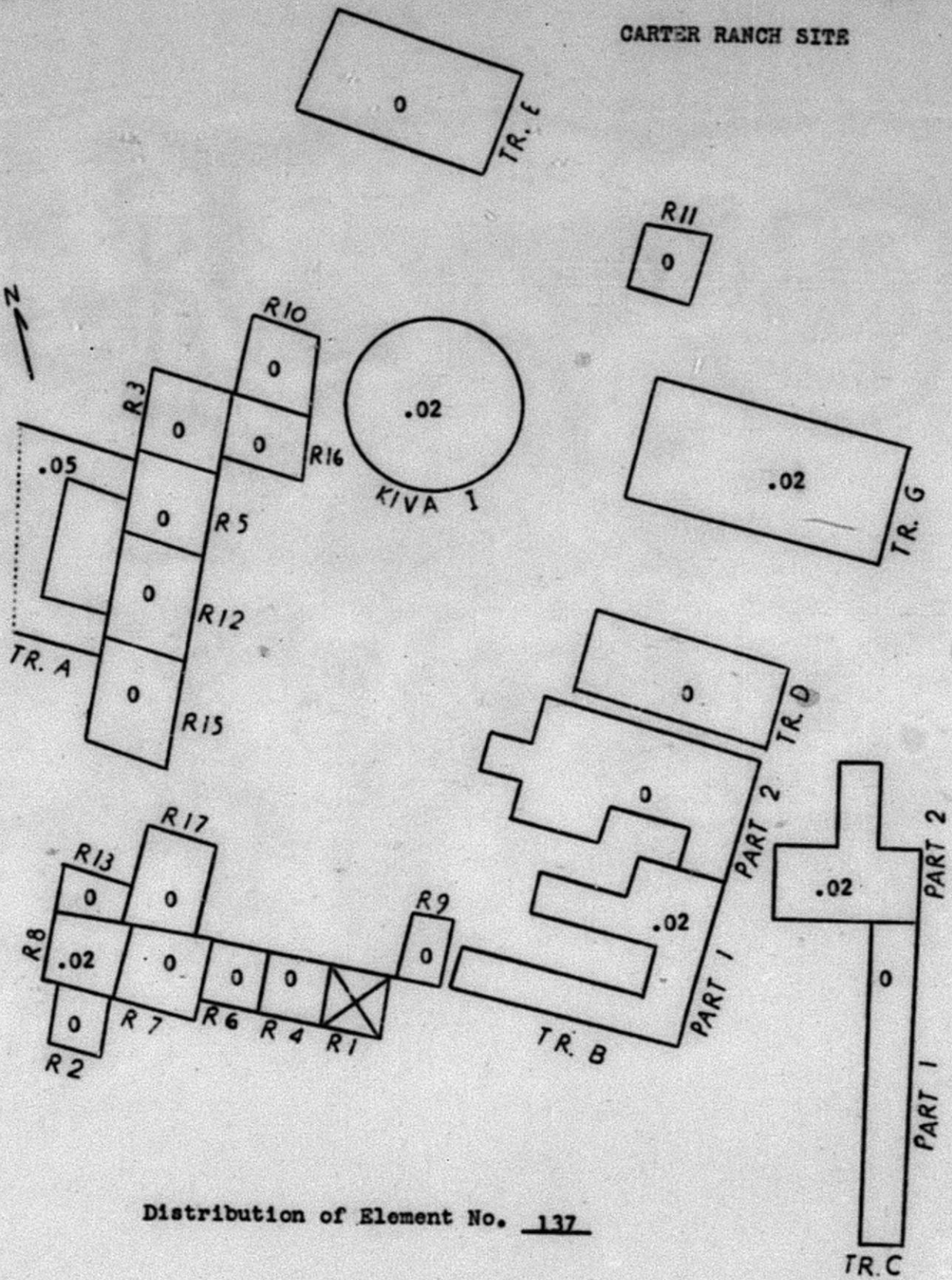
Distribution of Element No. 135

CARTER RANCH SITE



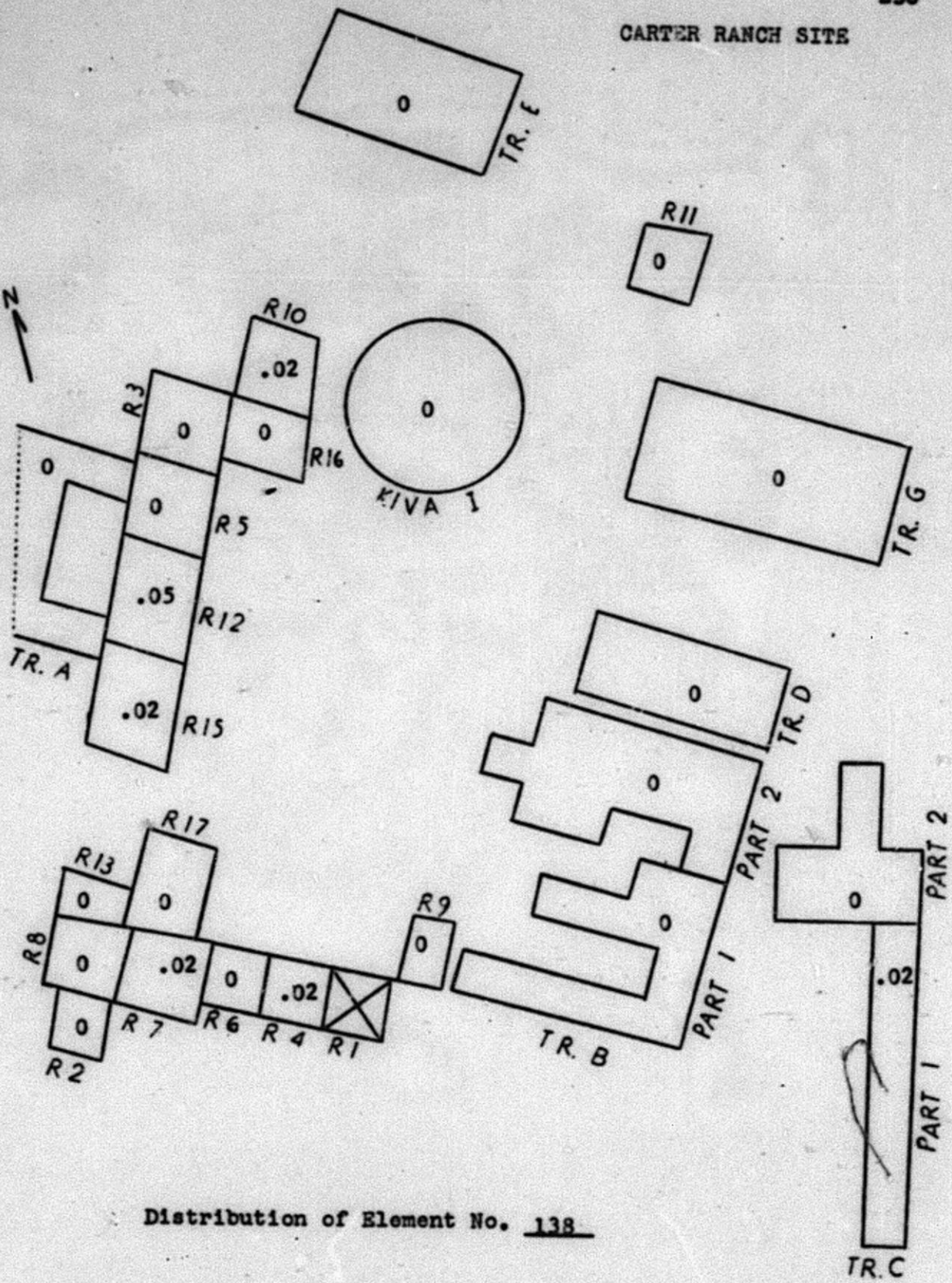
Distribution of Element No. 136

CARTER RANCH SITE



Distribution of Element No. 137

CARTER RANCH SITE



Distribution of Element No. 138

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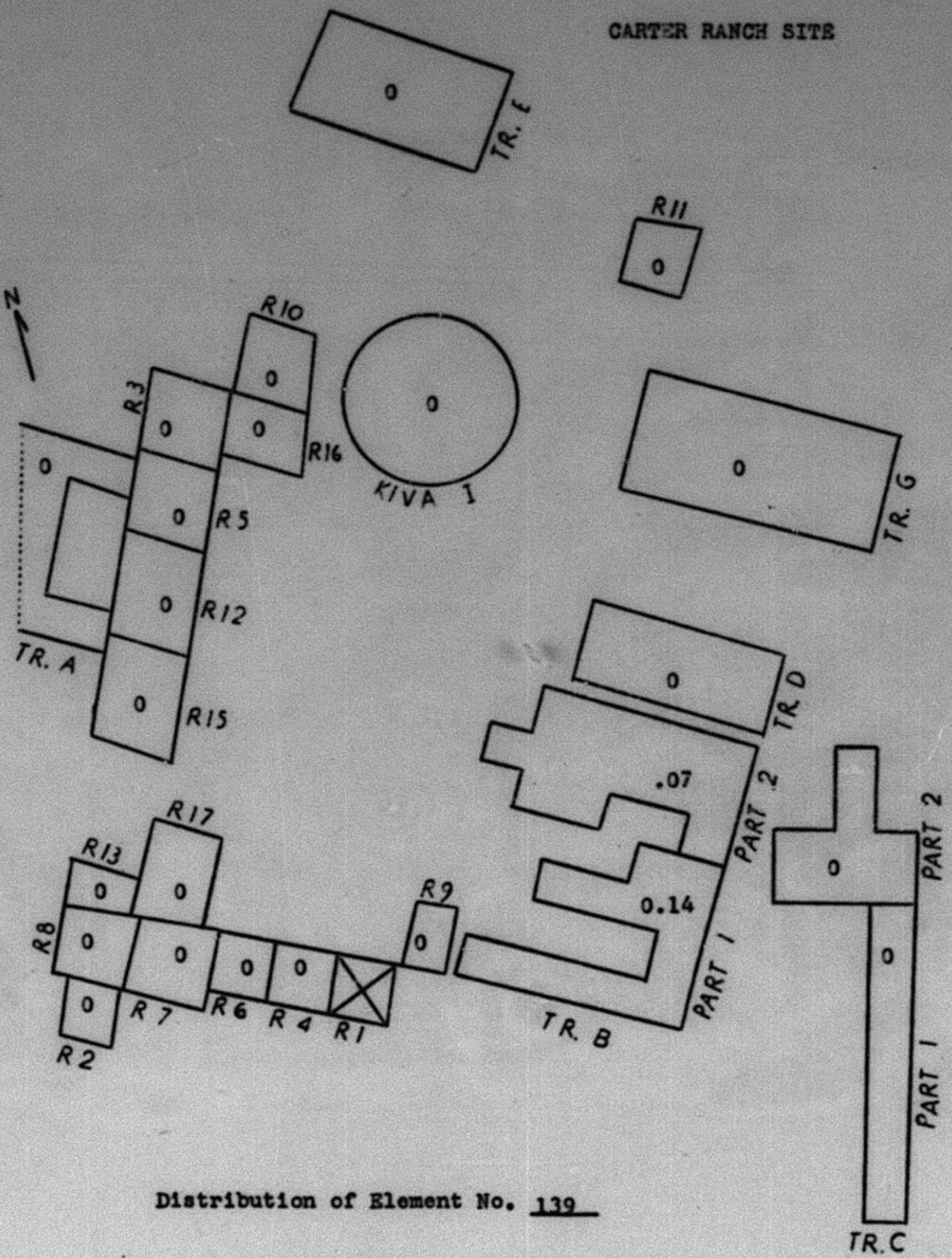
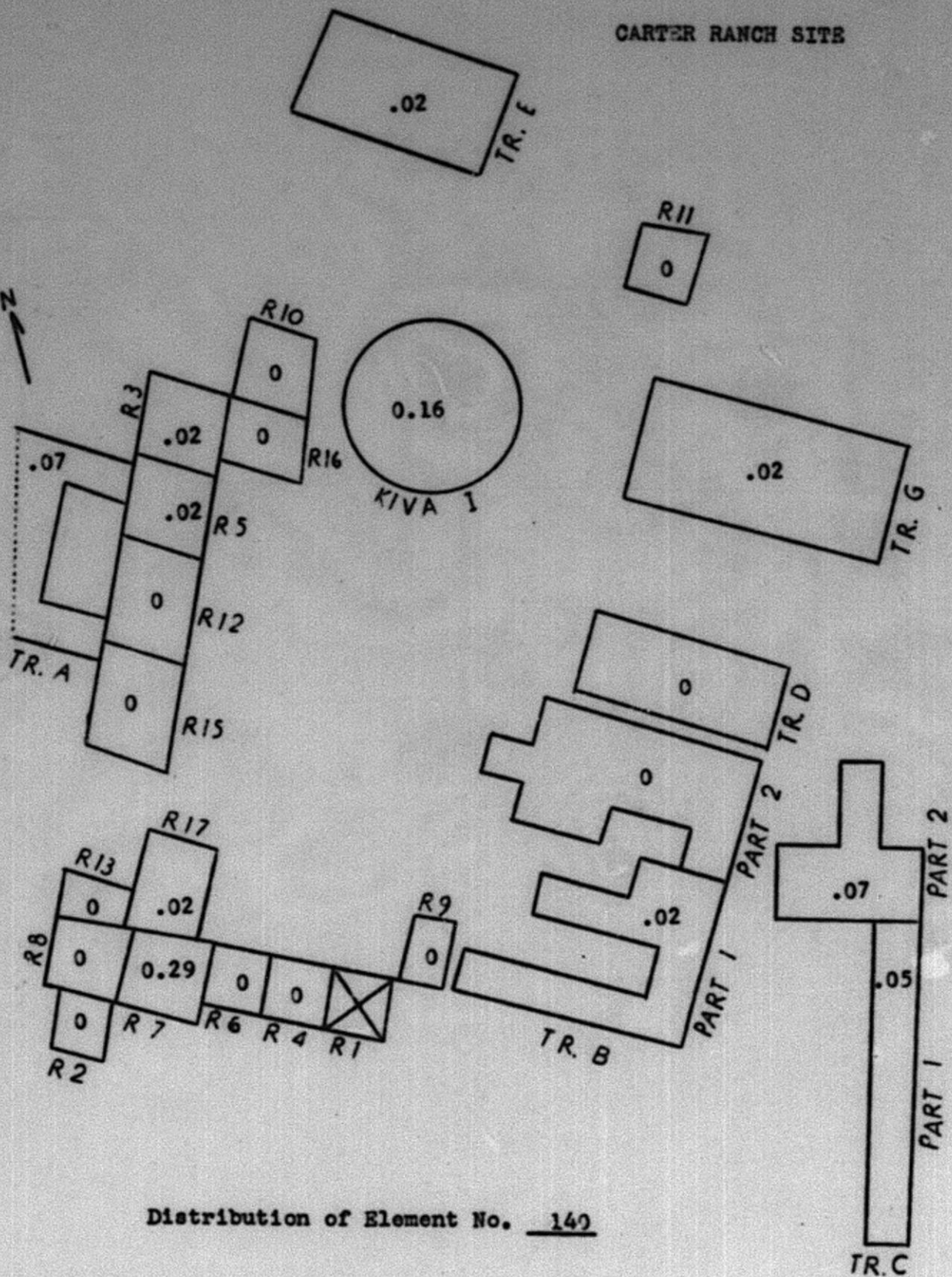


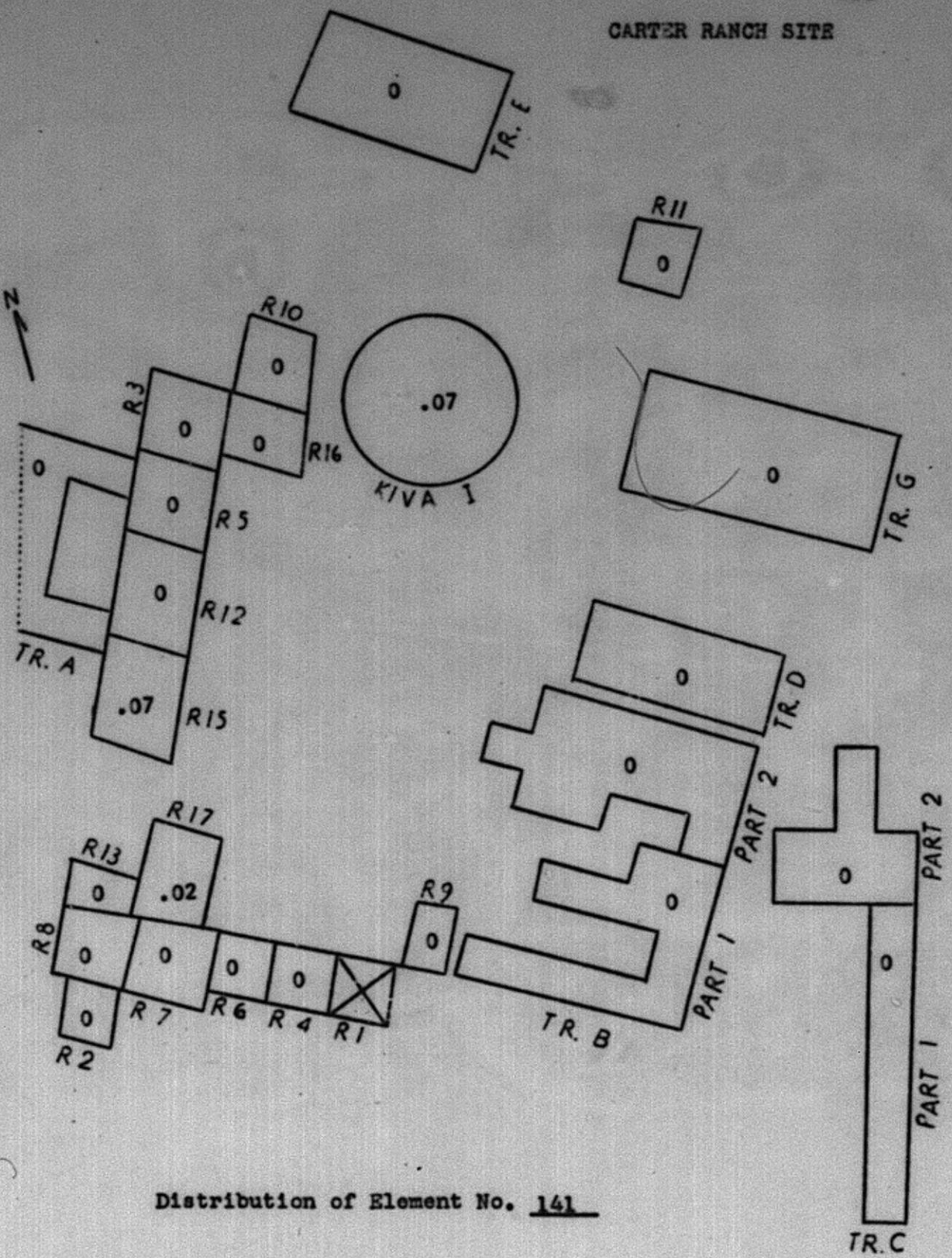
Distribution of Element No. 139

CARTER RANCH SITE



Distribution of Element No. 140

CARTER RANCH SITE



Distribution of Element No. 141

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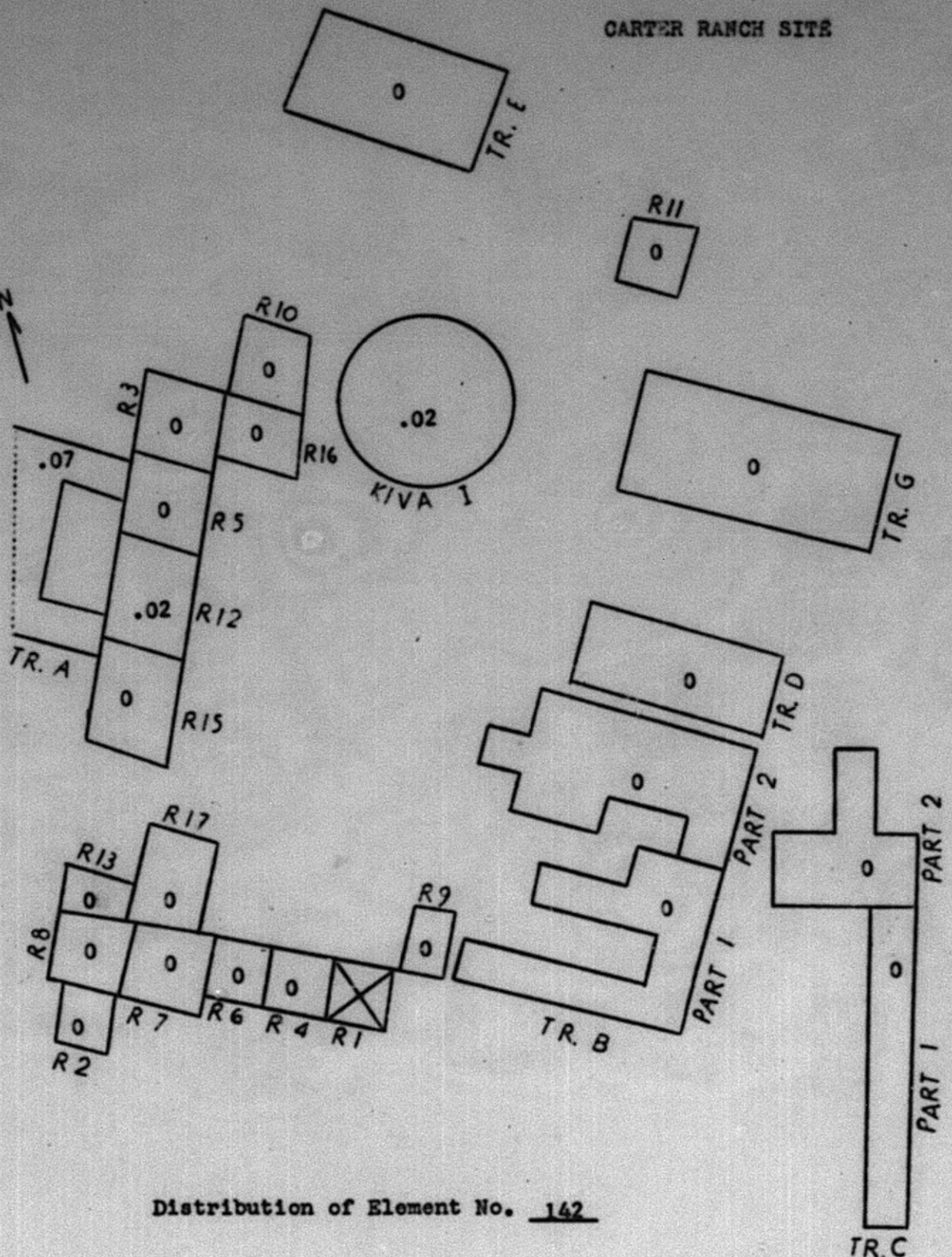

Distribution of Element No. 142

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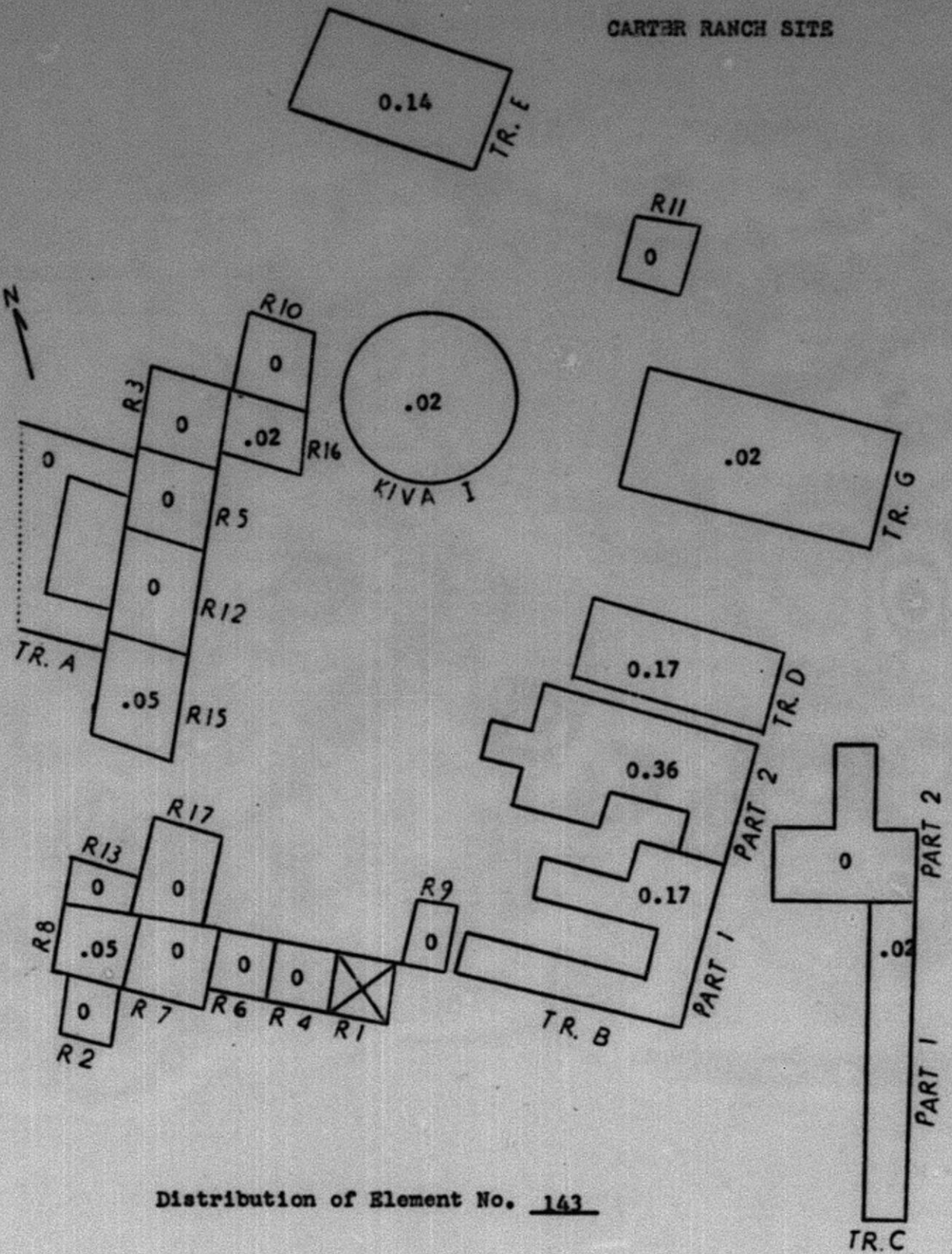

Distribution of Element No. 143

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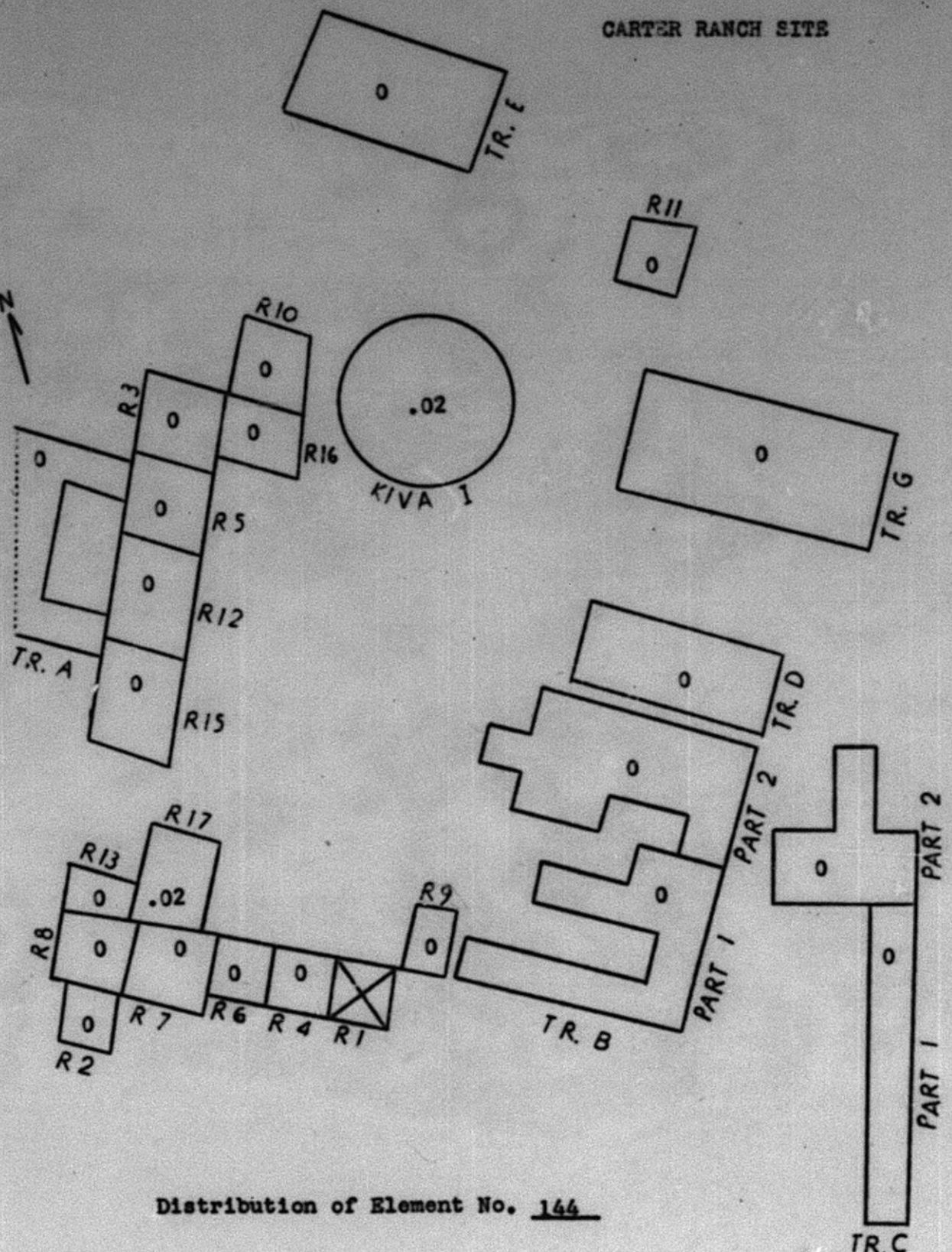

Distribution of Element No. 144

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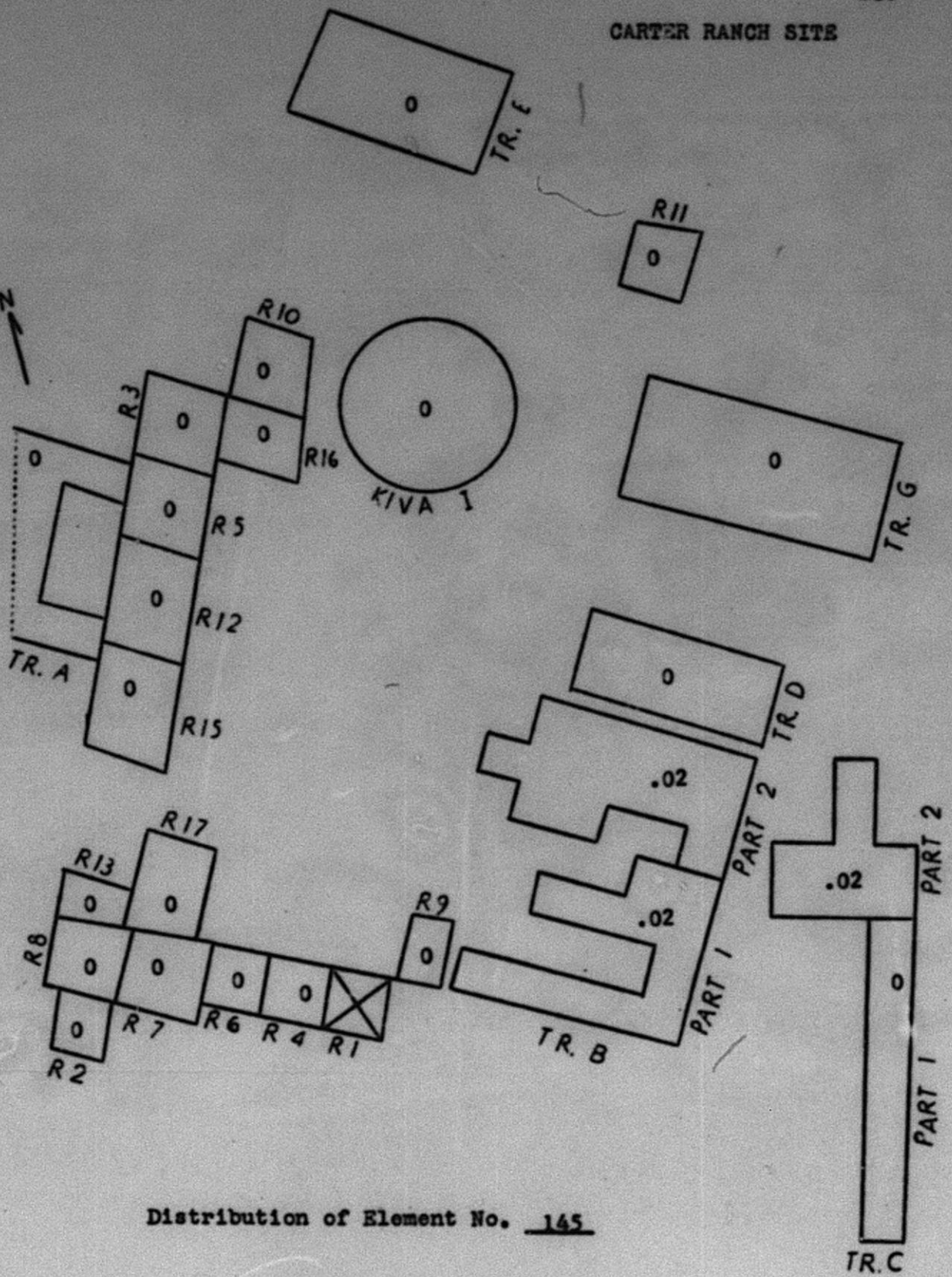

Distribution of Element No. 145

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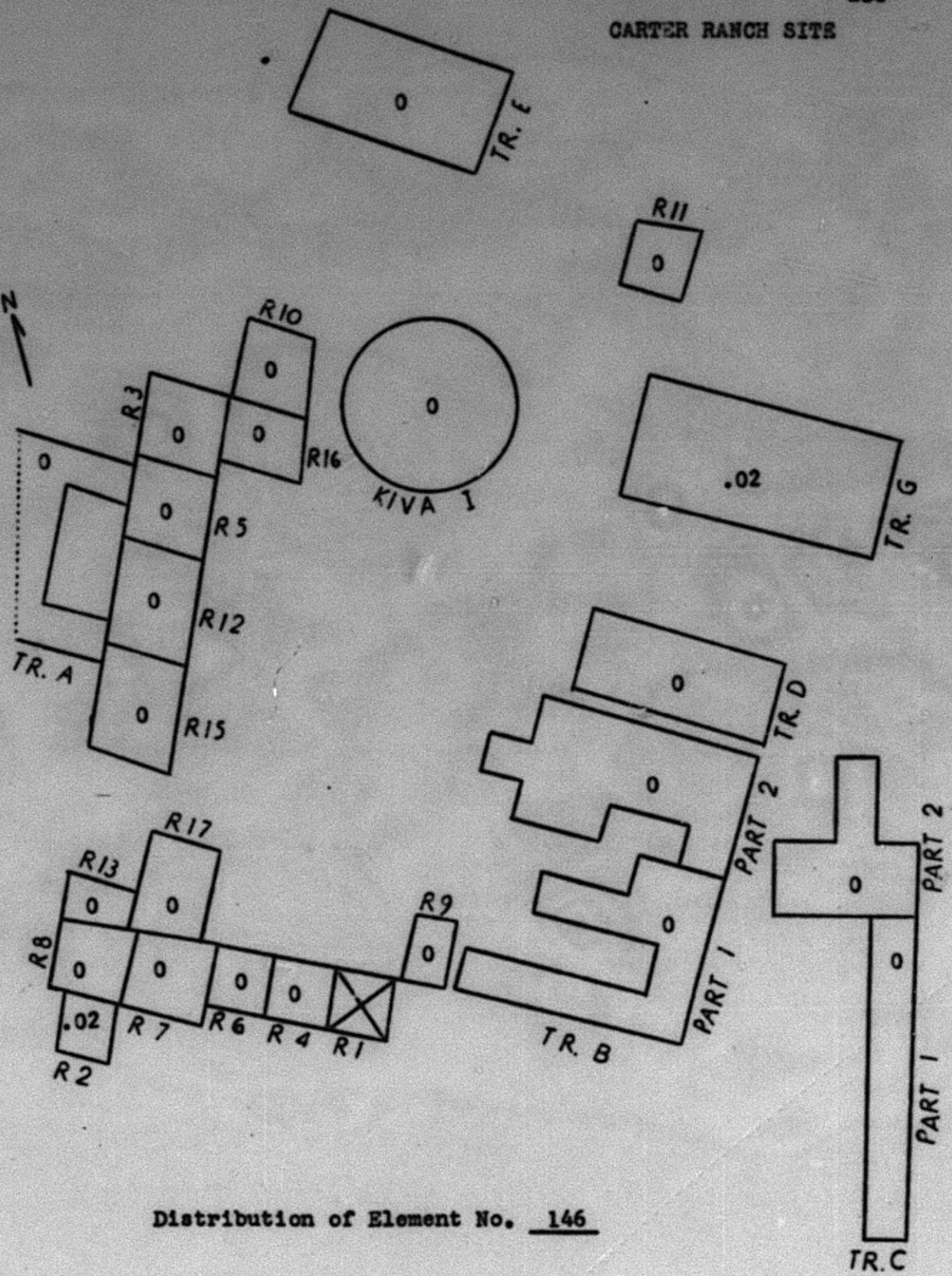

Distribution of Element No. 146

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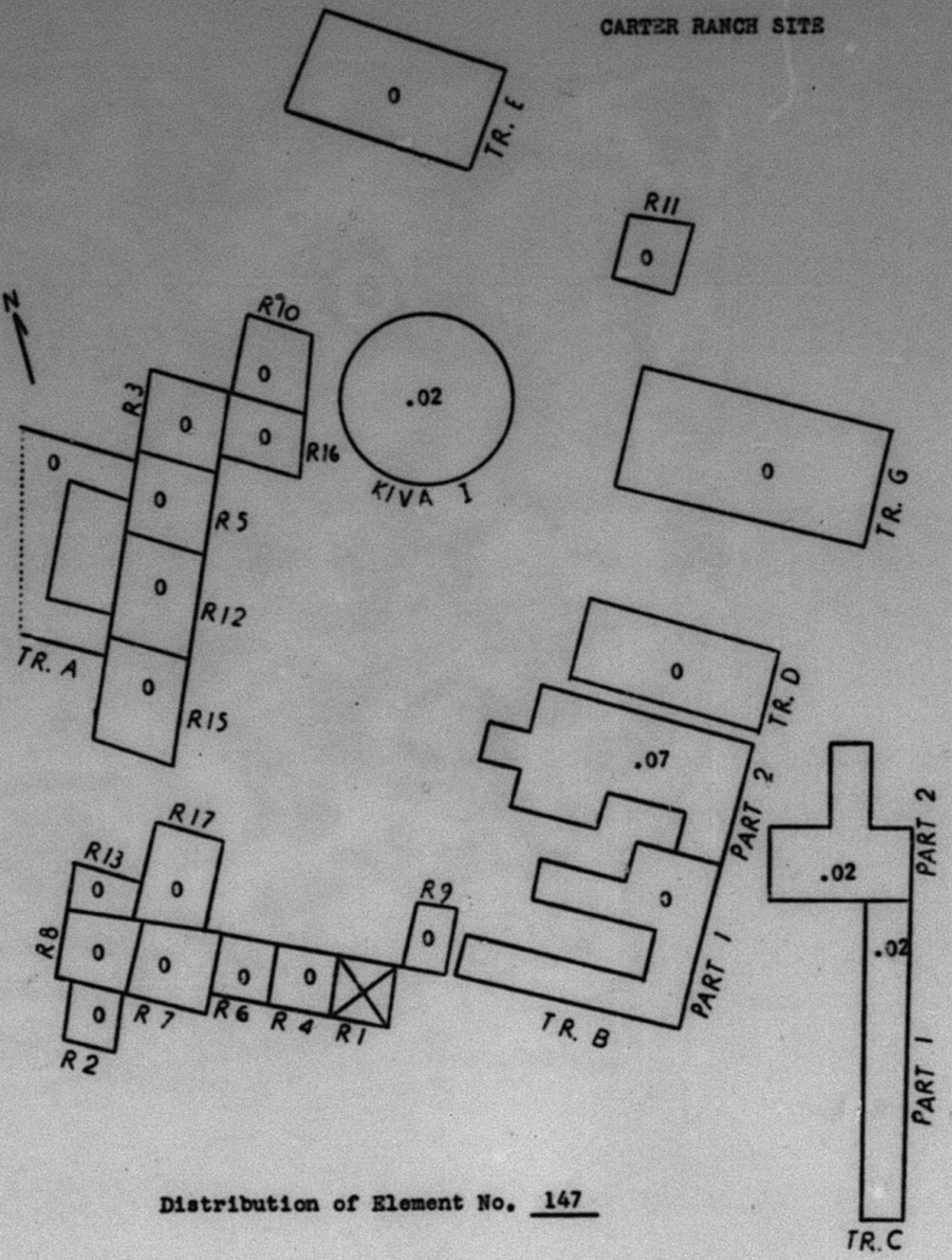

Distribution of Element No. 147

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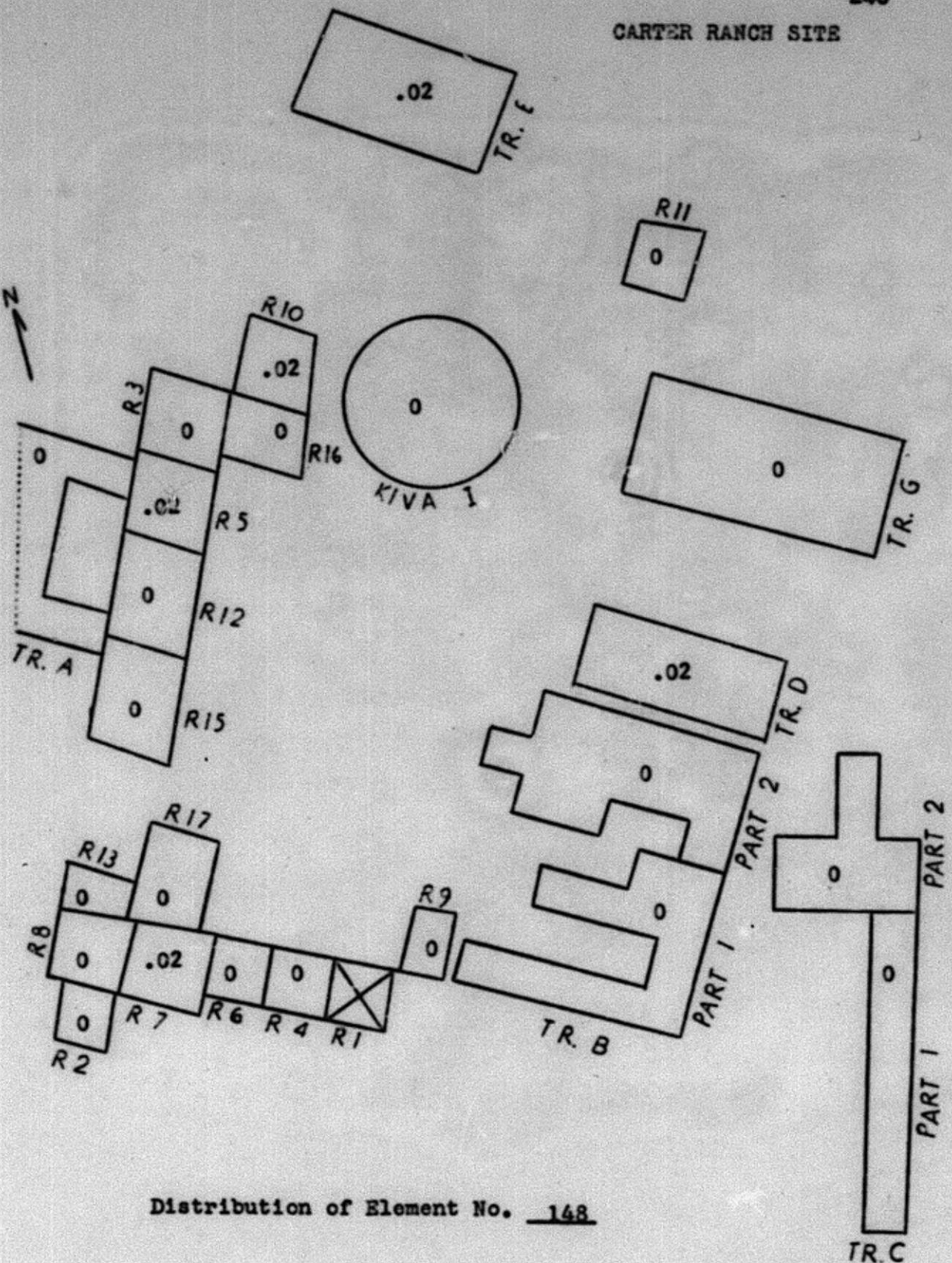
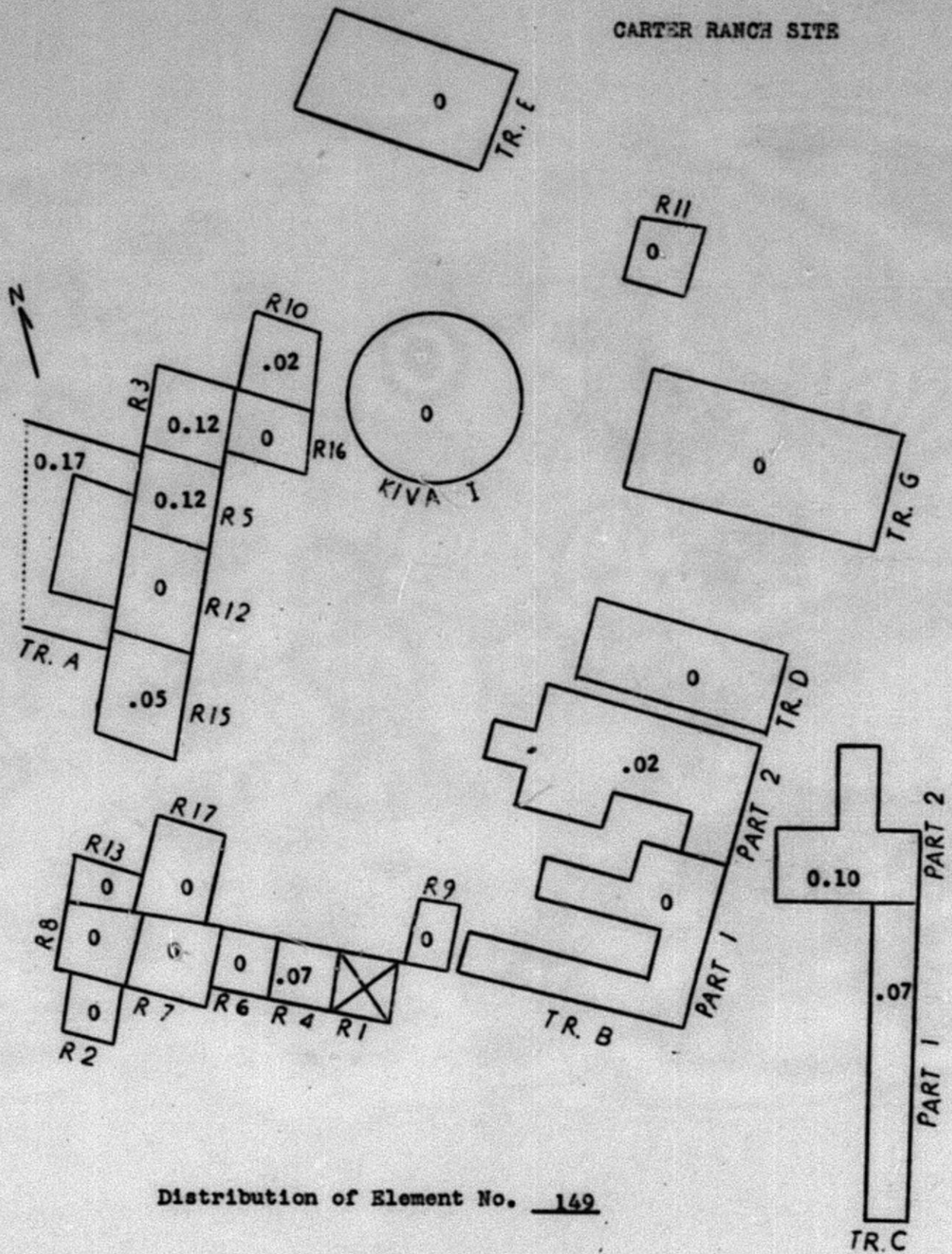


Distribution of Element No. 148

CARTER RANCH SITE



Distribution of Element No. 149

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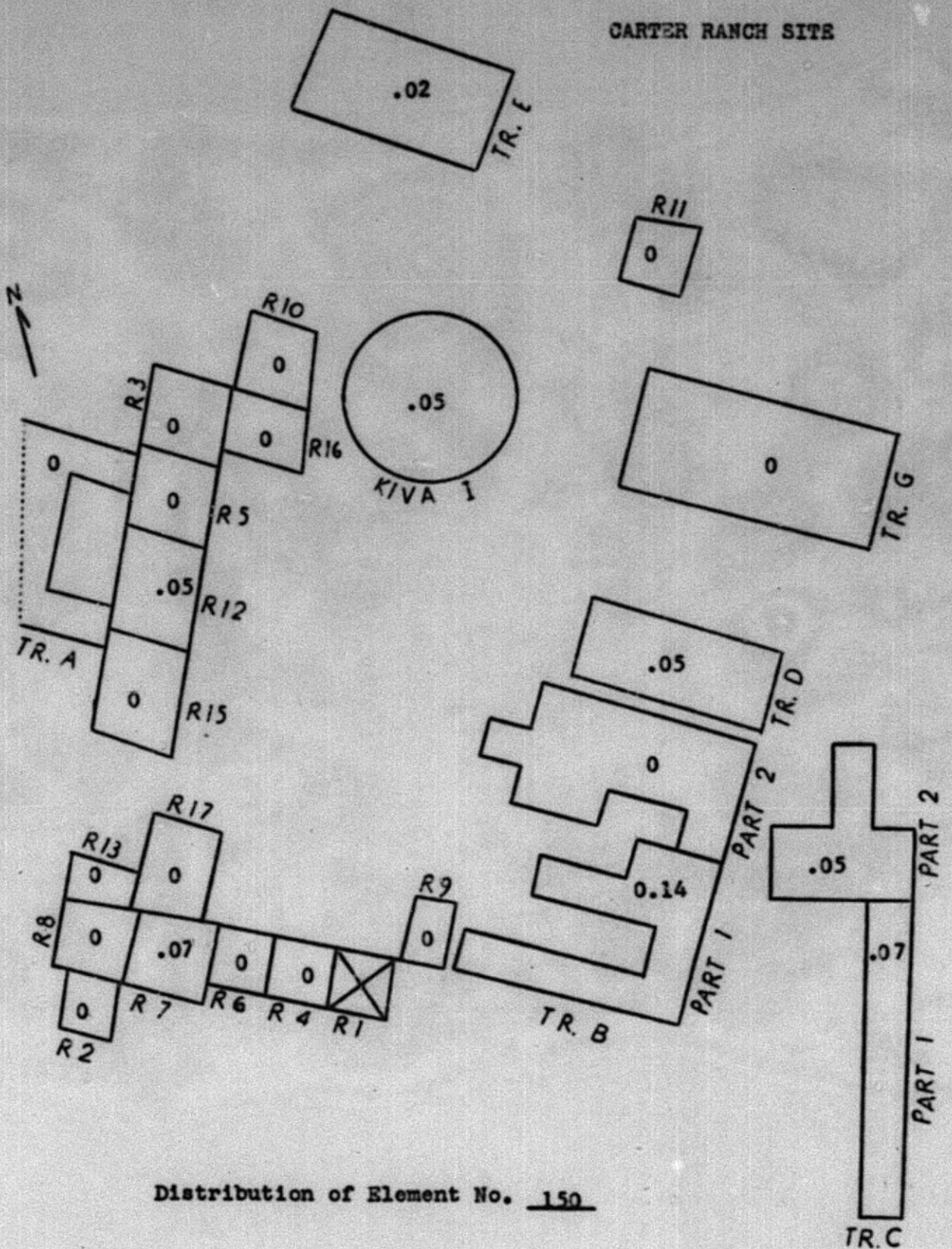
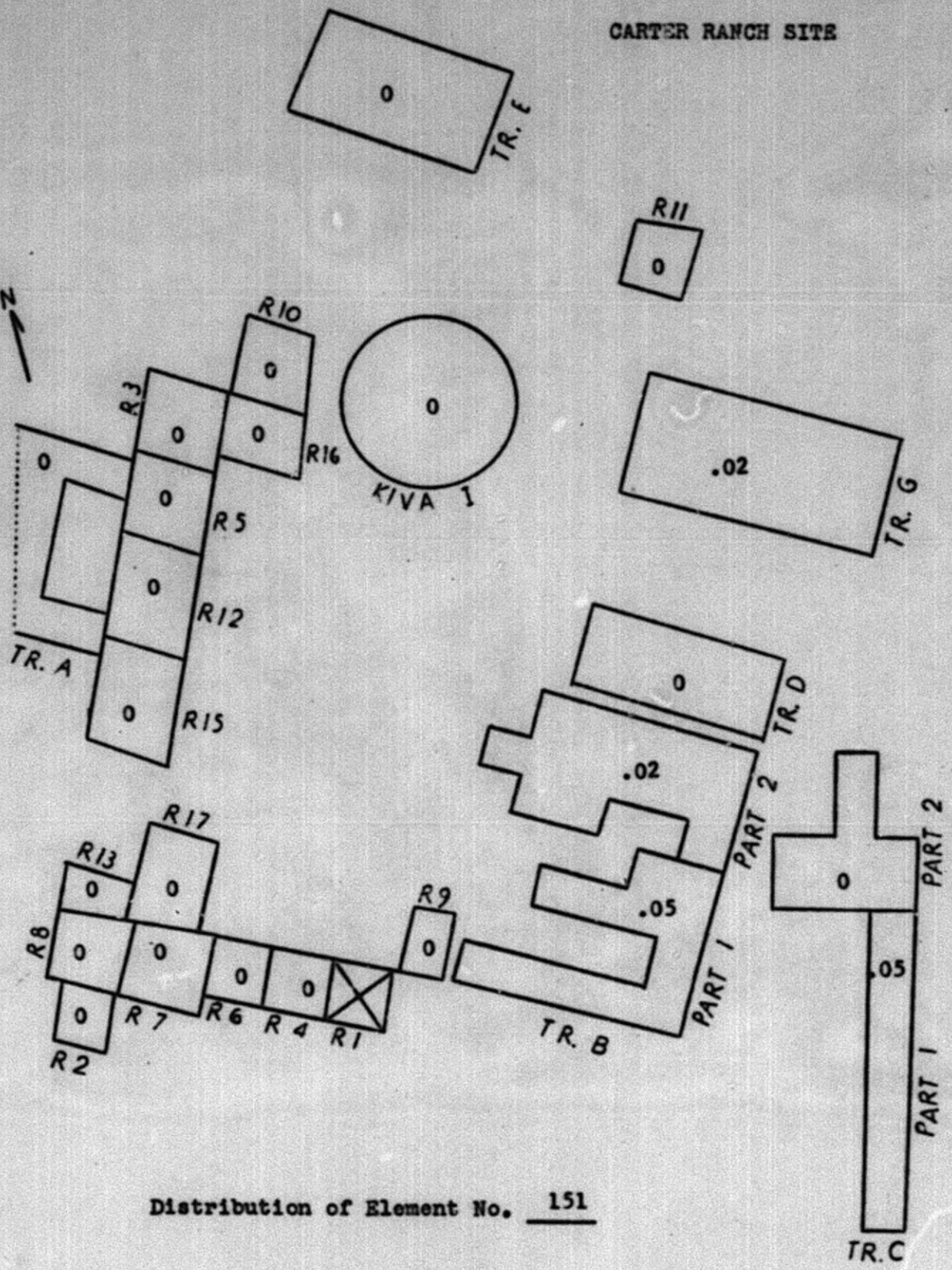


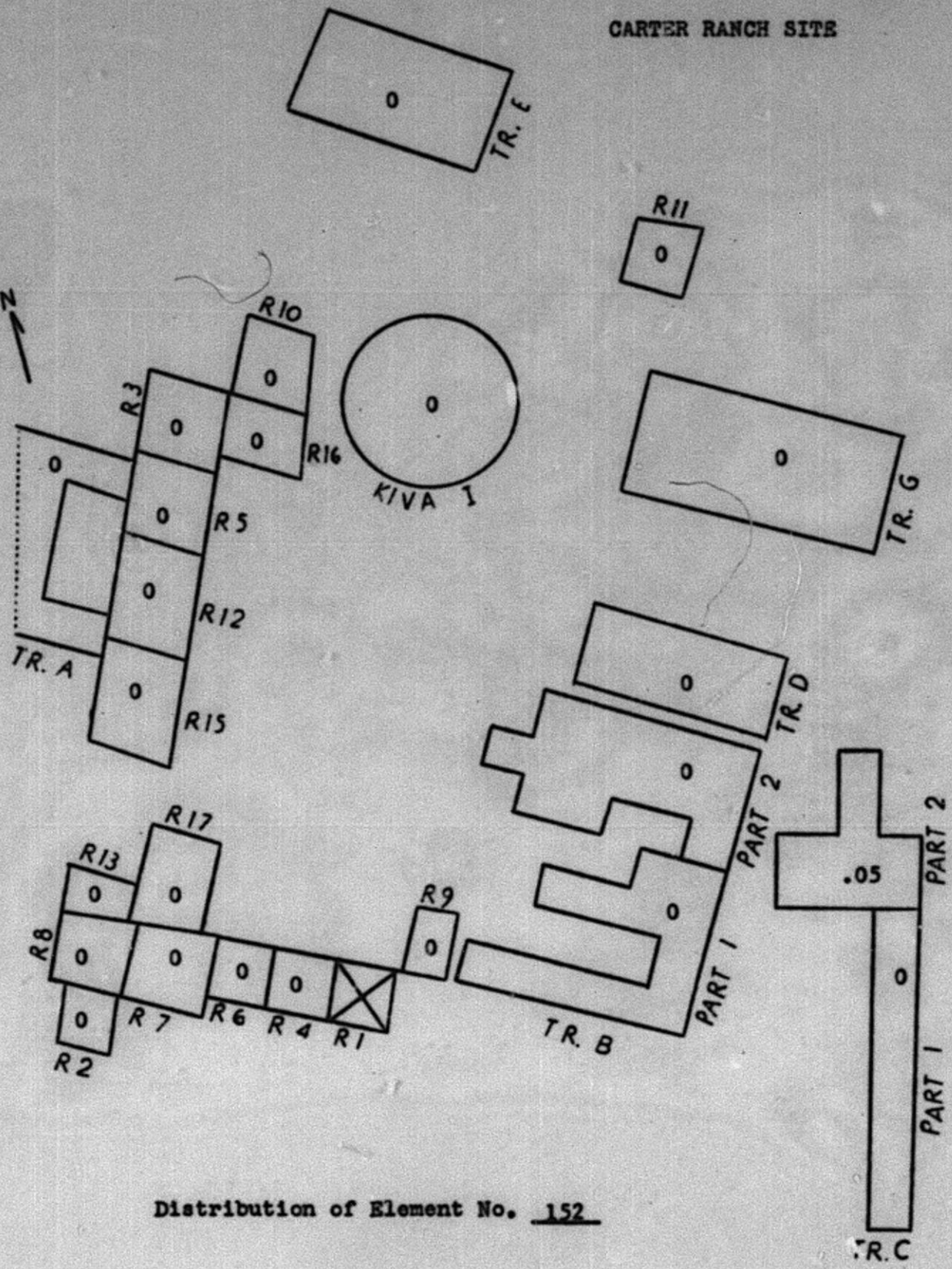
Distribution of Element No. 150

CARTER RANCH SITE



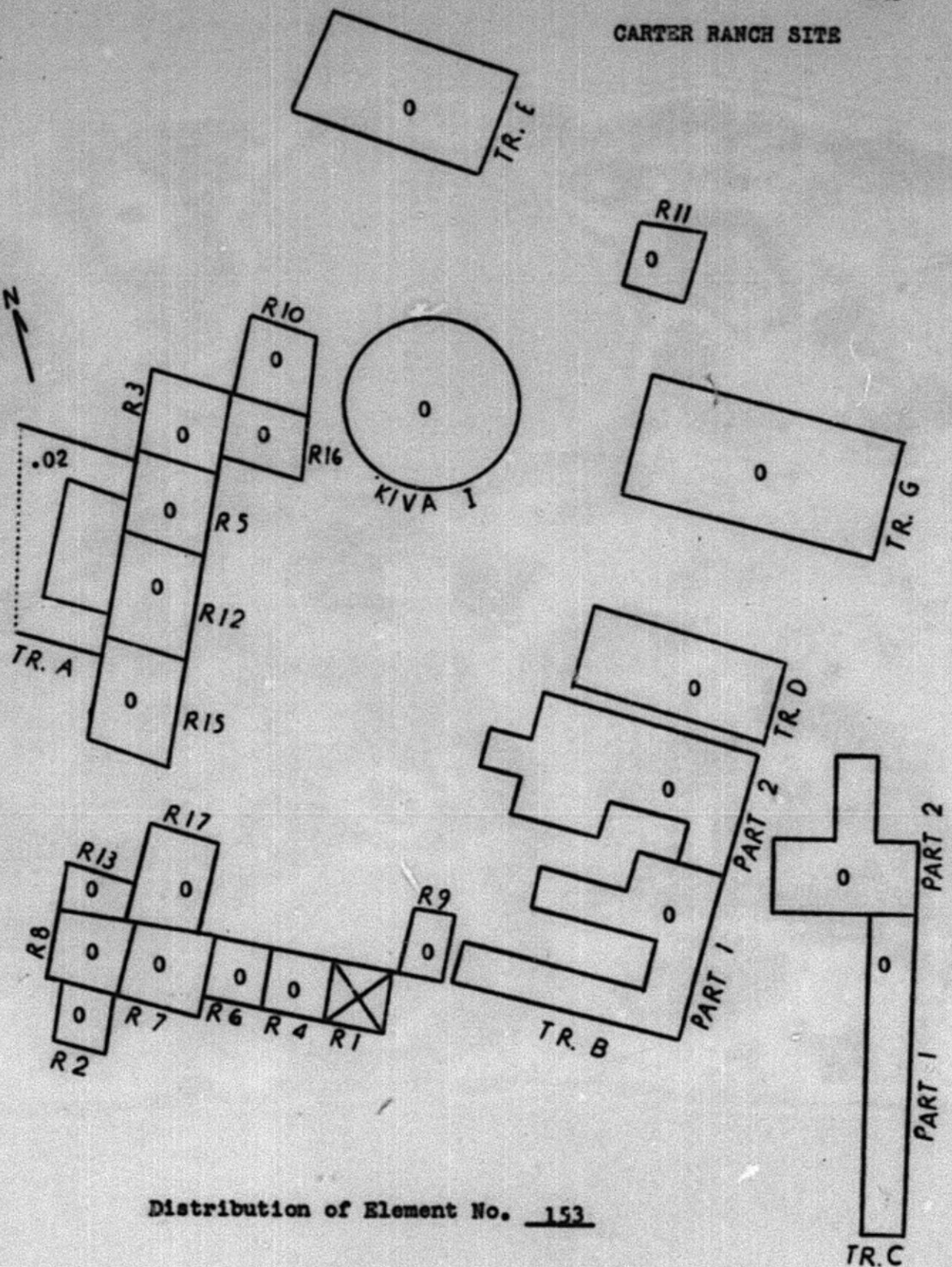
Distribution of Element No. 151

CARTER RANCH SITE



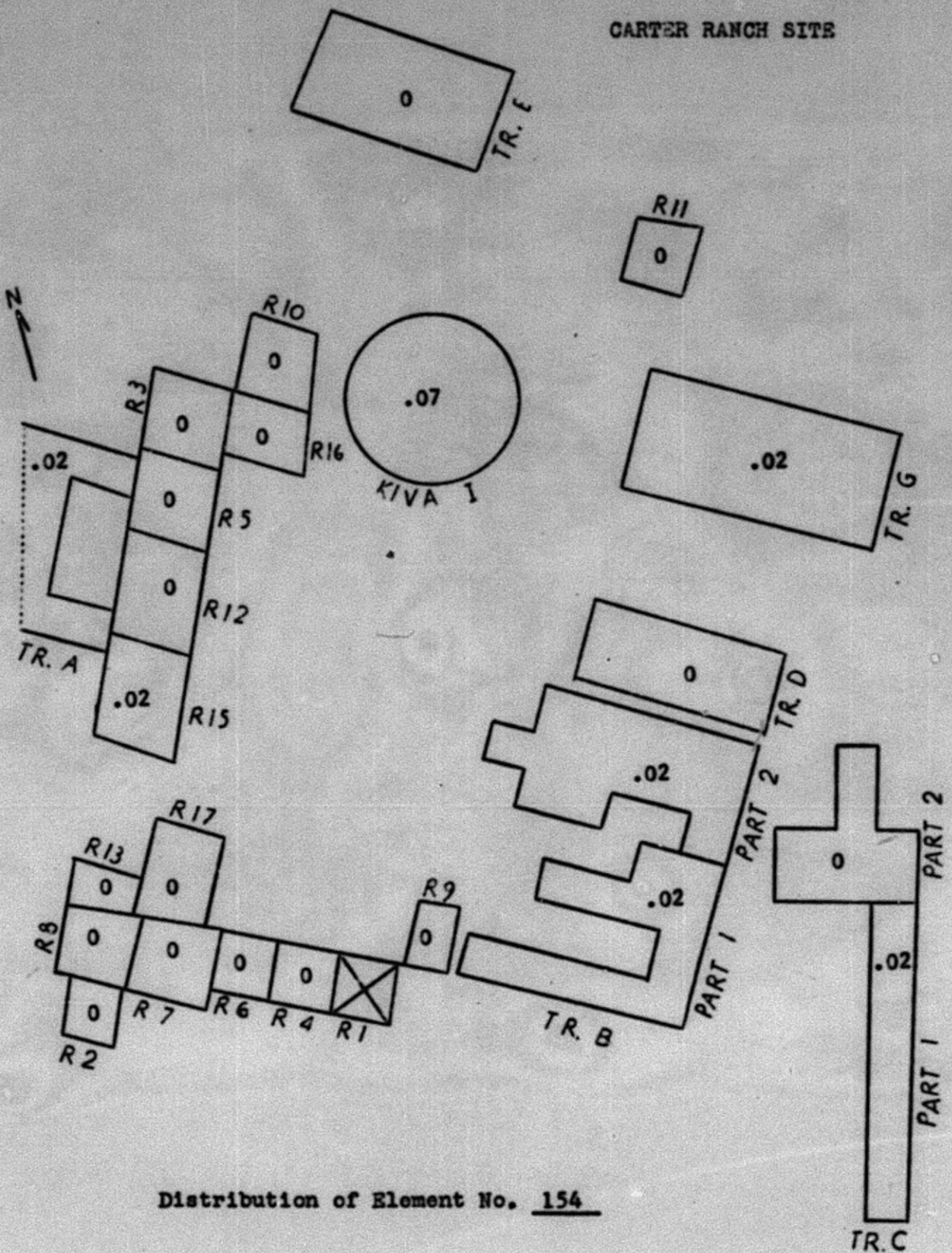
Distribution of Element No. 152

CARTER RANCH SITE



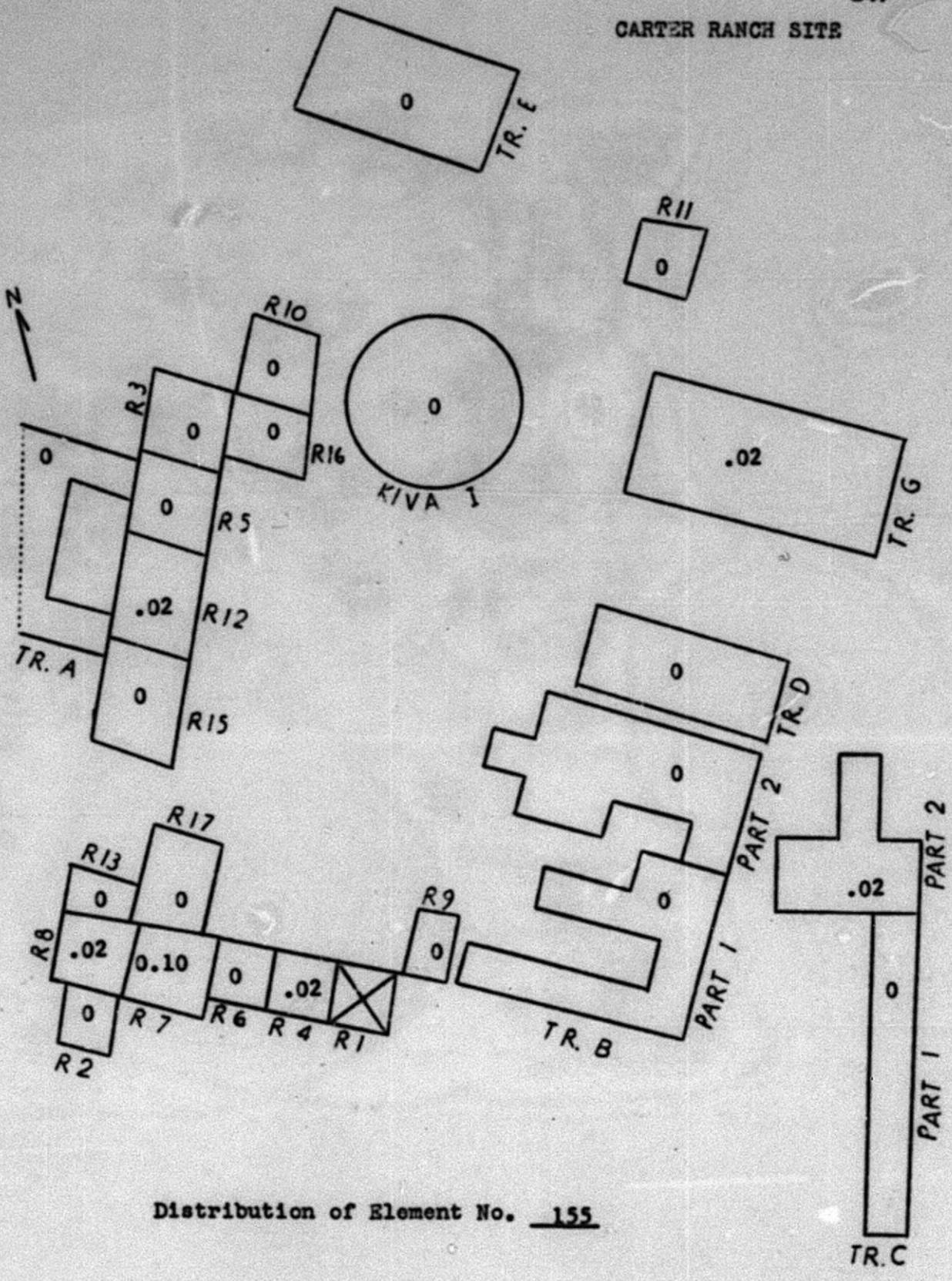
Distribution of Element No. 153

CARTER RANCH SITE



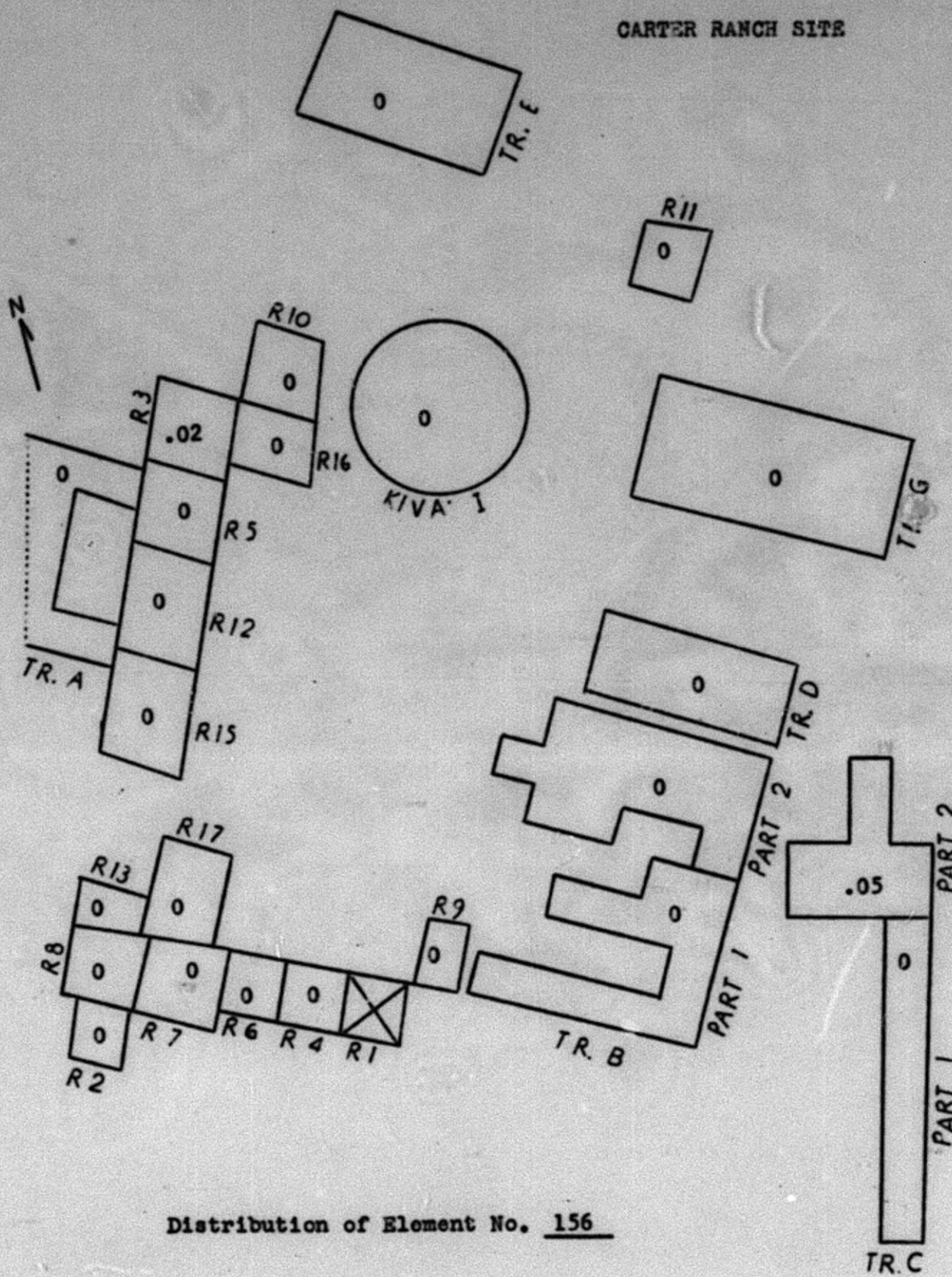
Distribution of Element No. 154

CARTER RANCH SITE



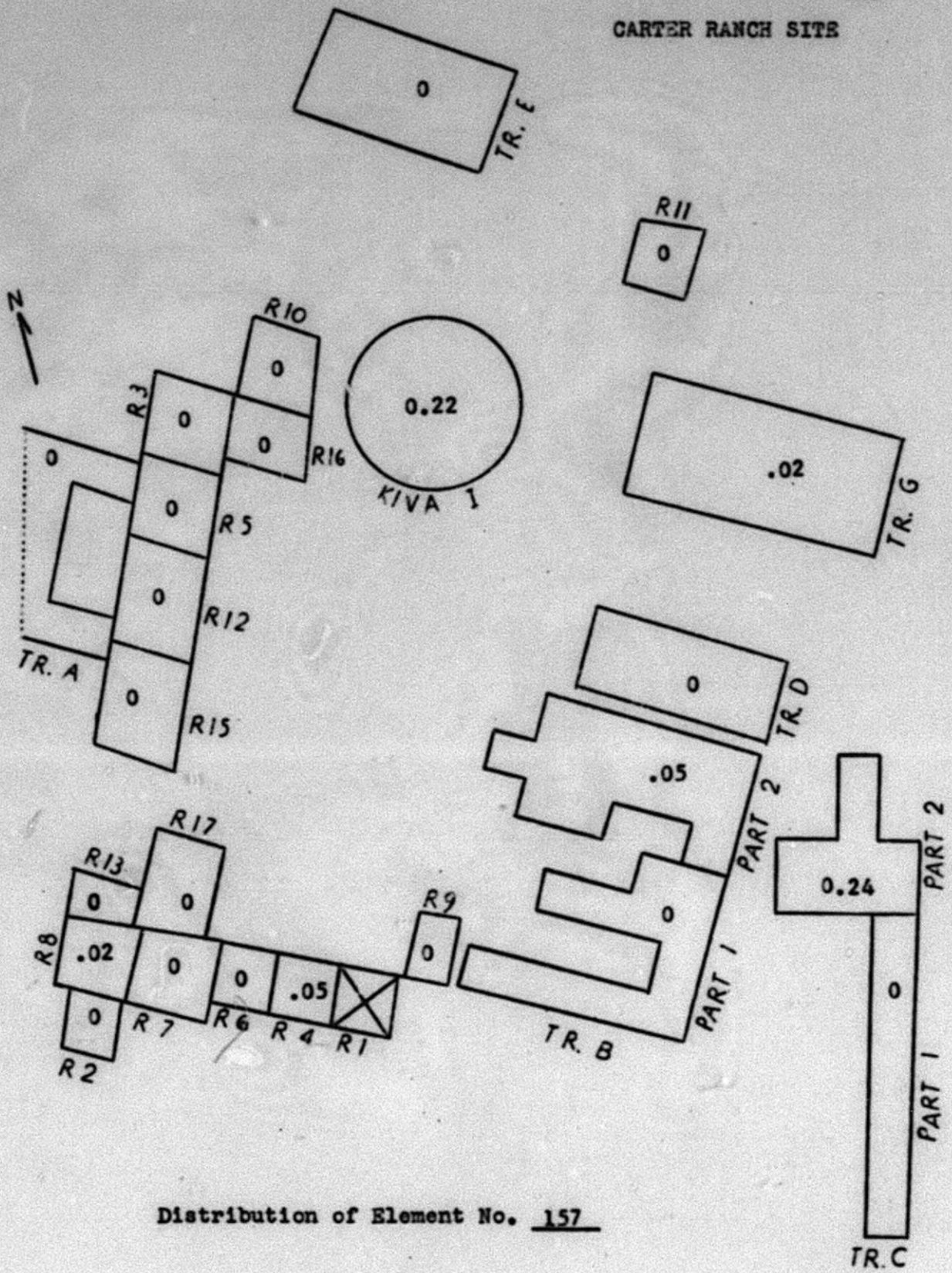
Distribution of Element No. 155

CARTER RANCH SITE



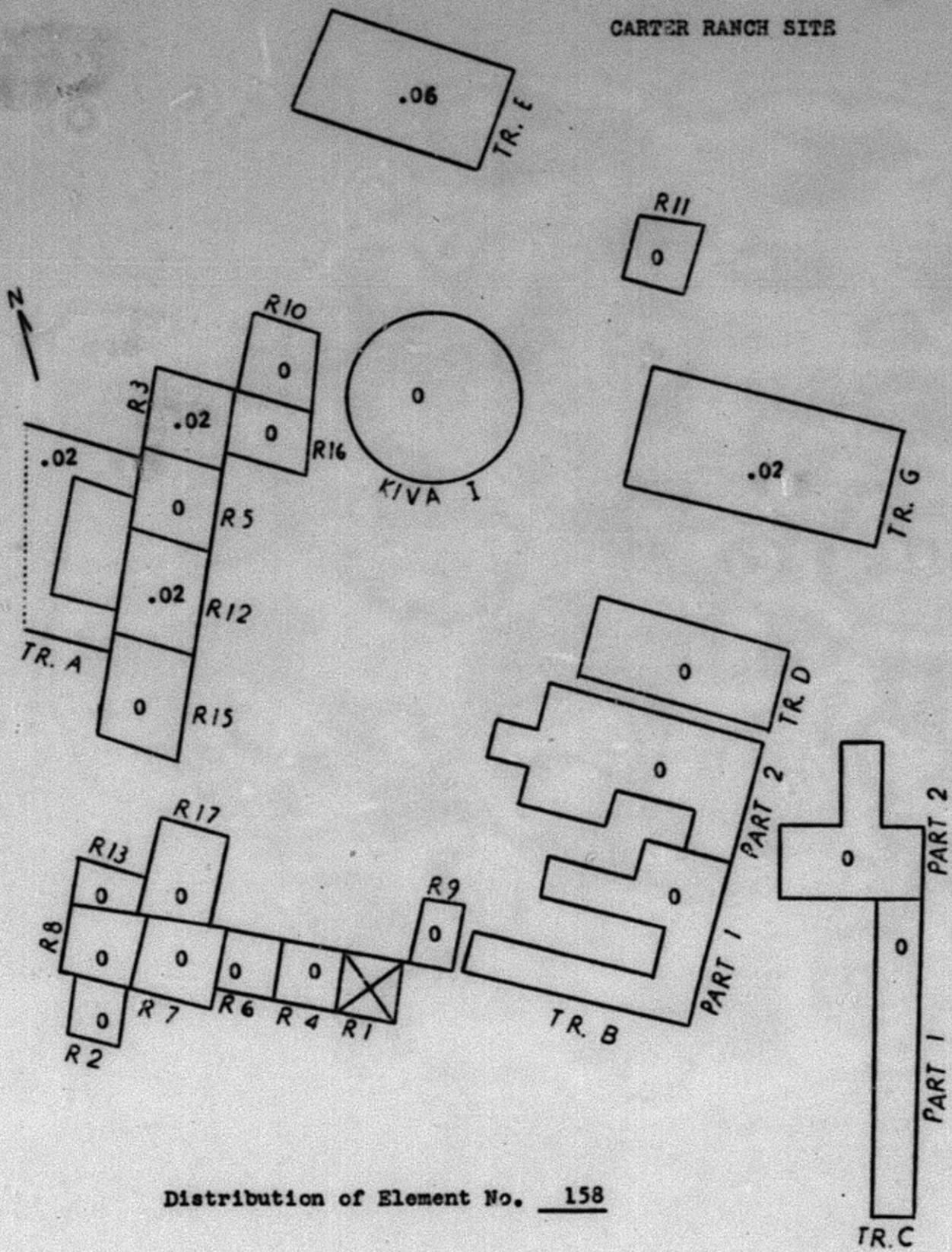
Distribution of Element No. 156

CARTER RANCH SITE



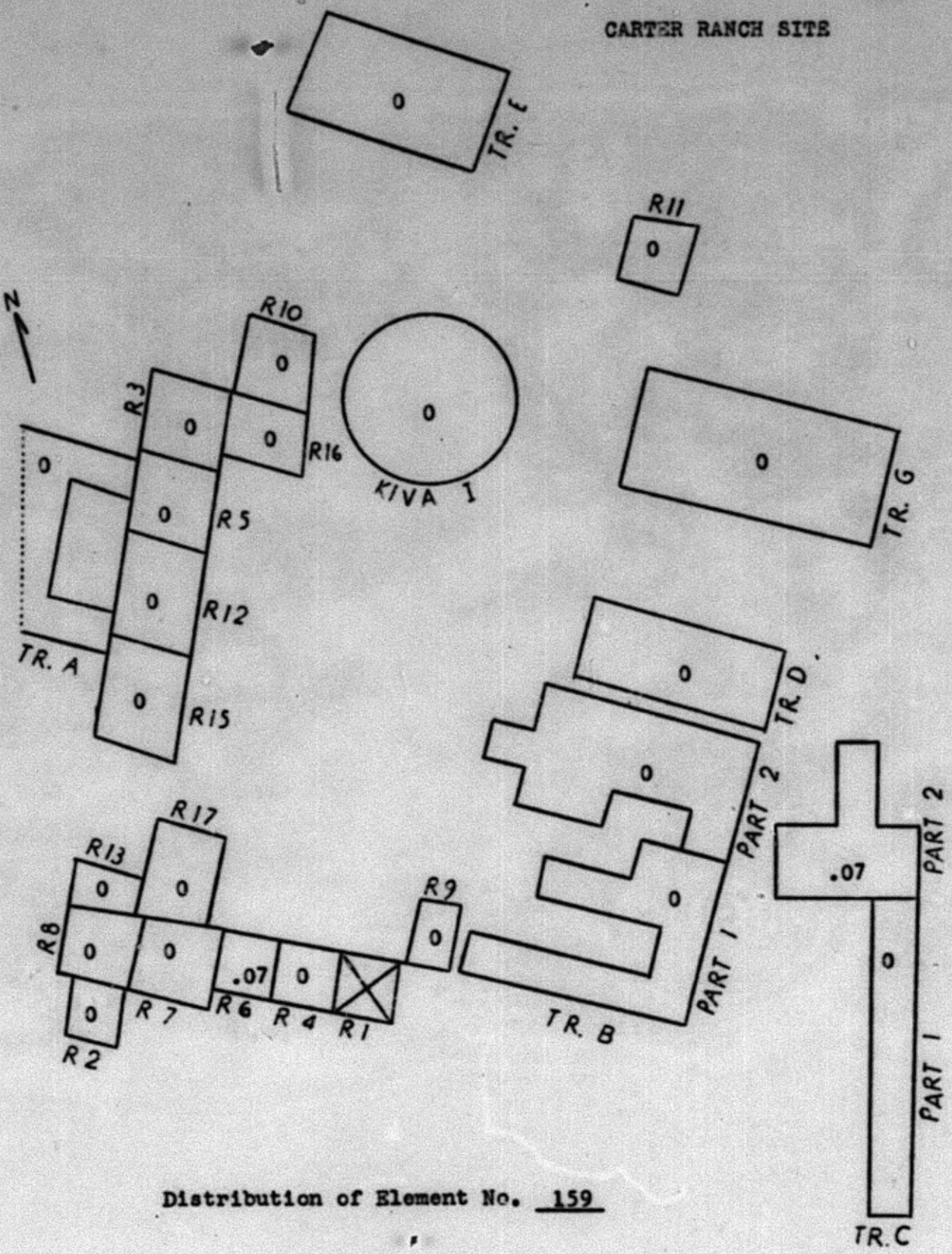
Distribution of Element No. 157

CARTER RANCH SITE



Distribution of Element No. 158

CARTER RANCH SITE



Distribution of Element No. 159

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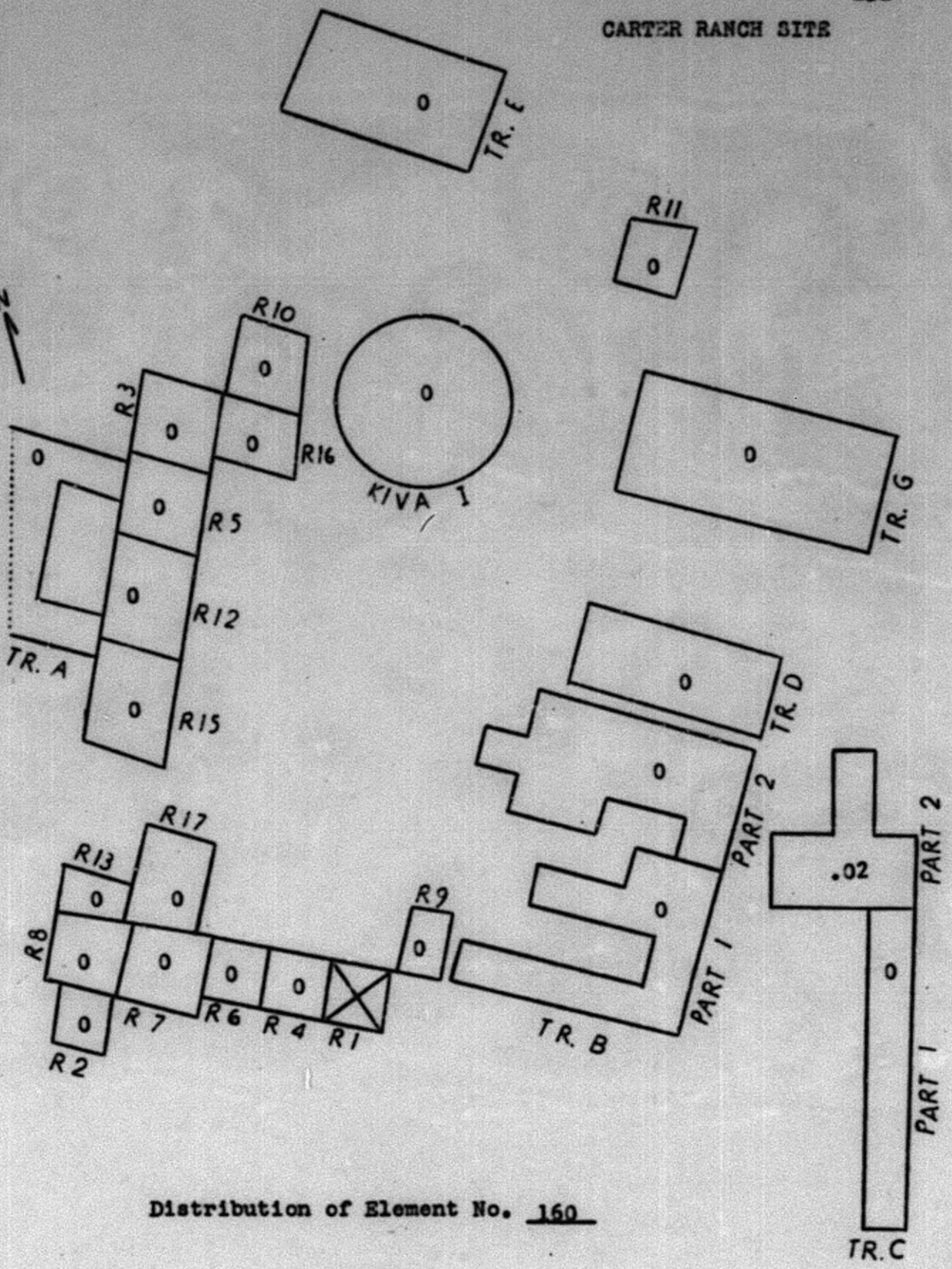

Distribution of Element No. 160

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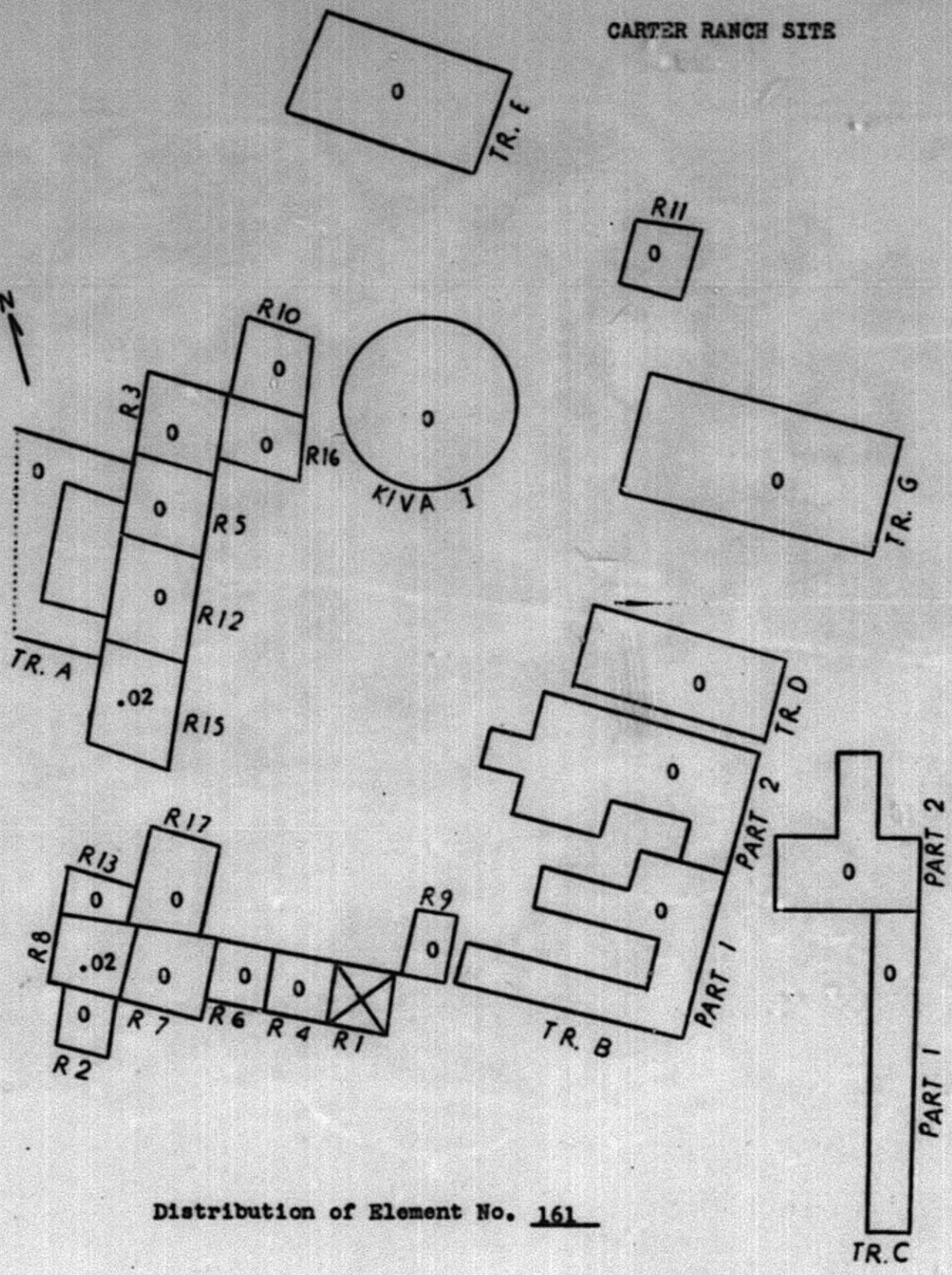
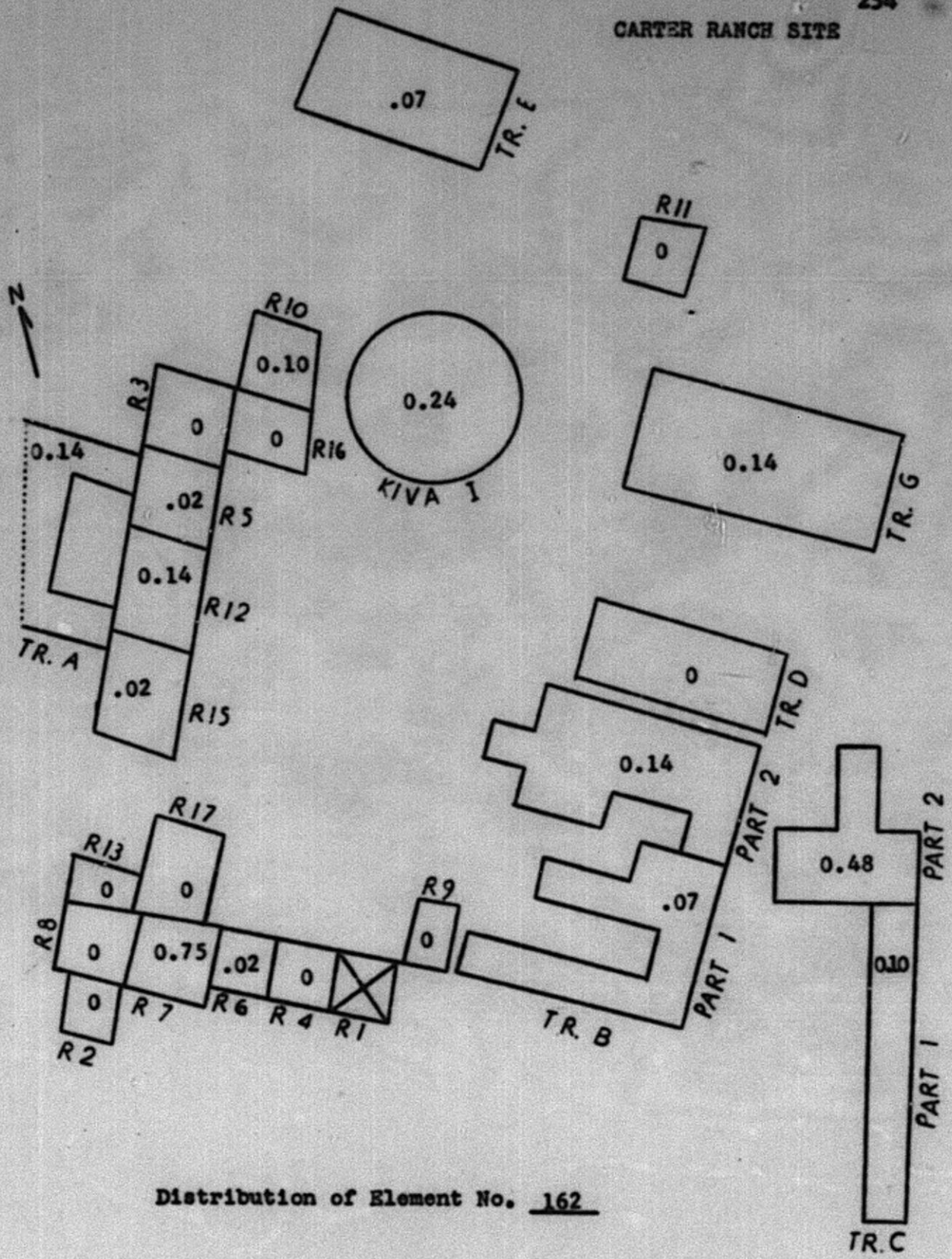


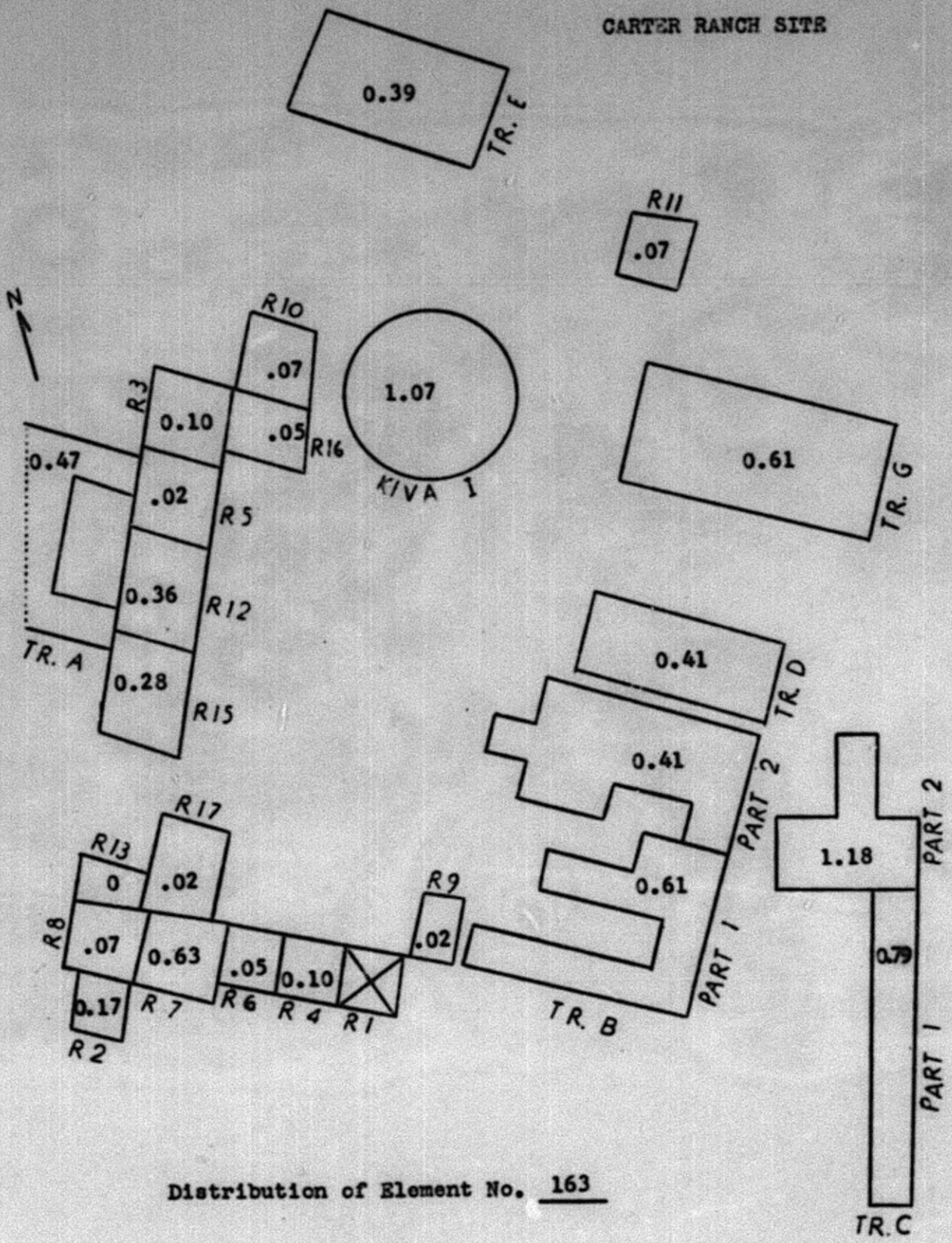
Distribution of Element No. 161

CARTER RANCH SITE



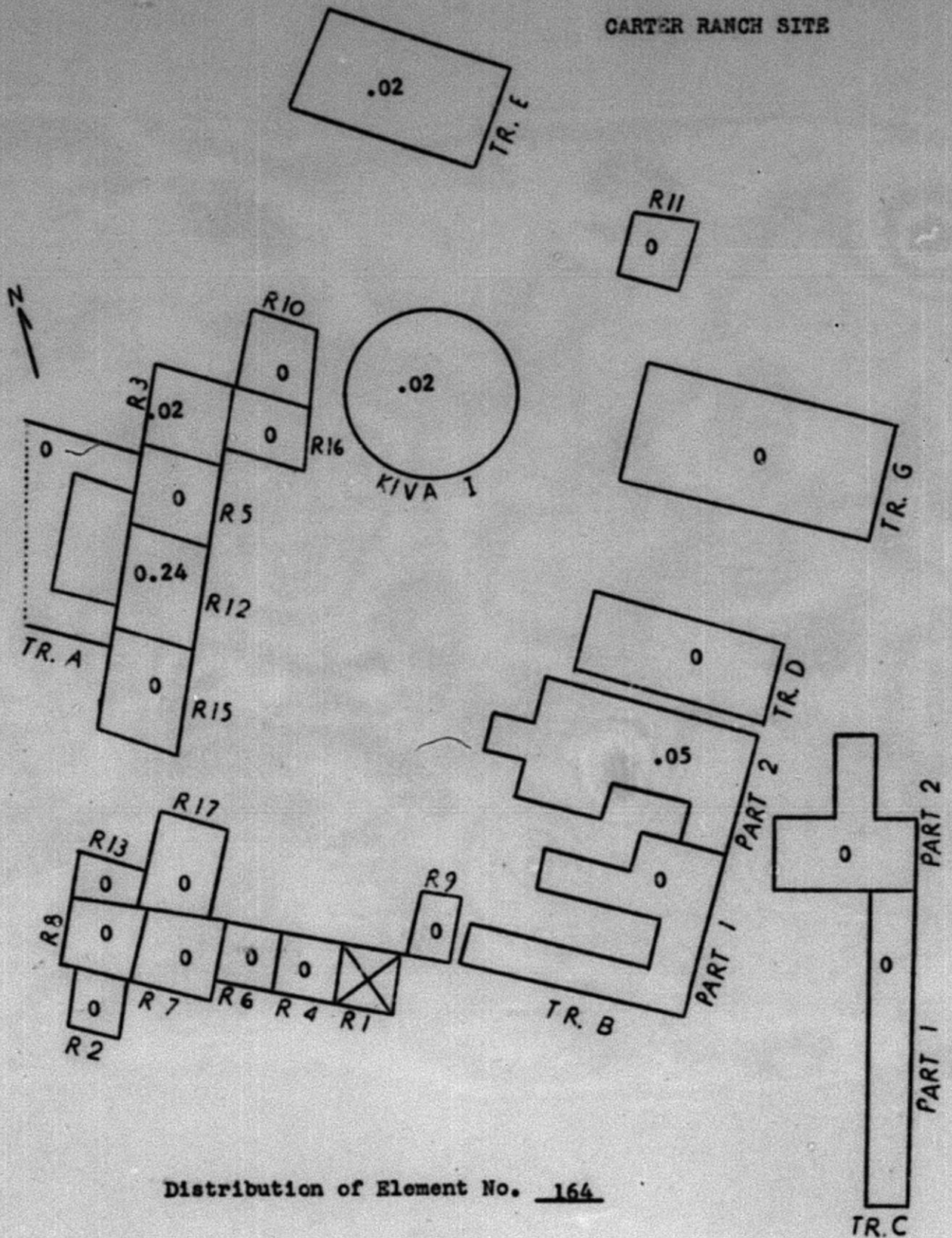
Distribution of Element No. 162

CARTER RANCH SITE



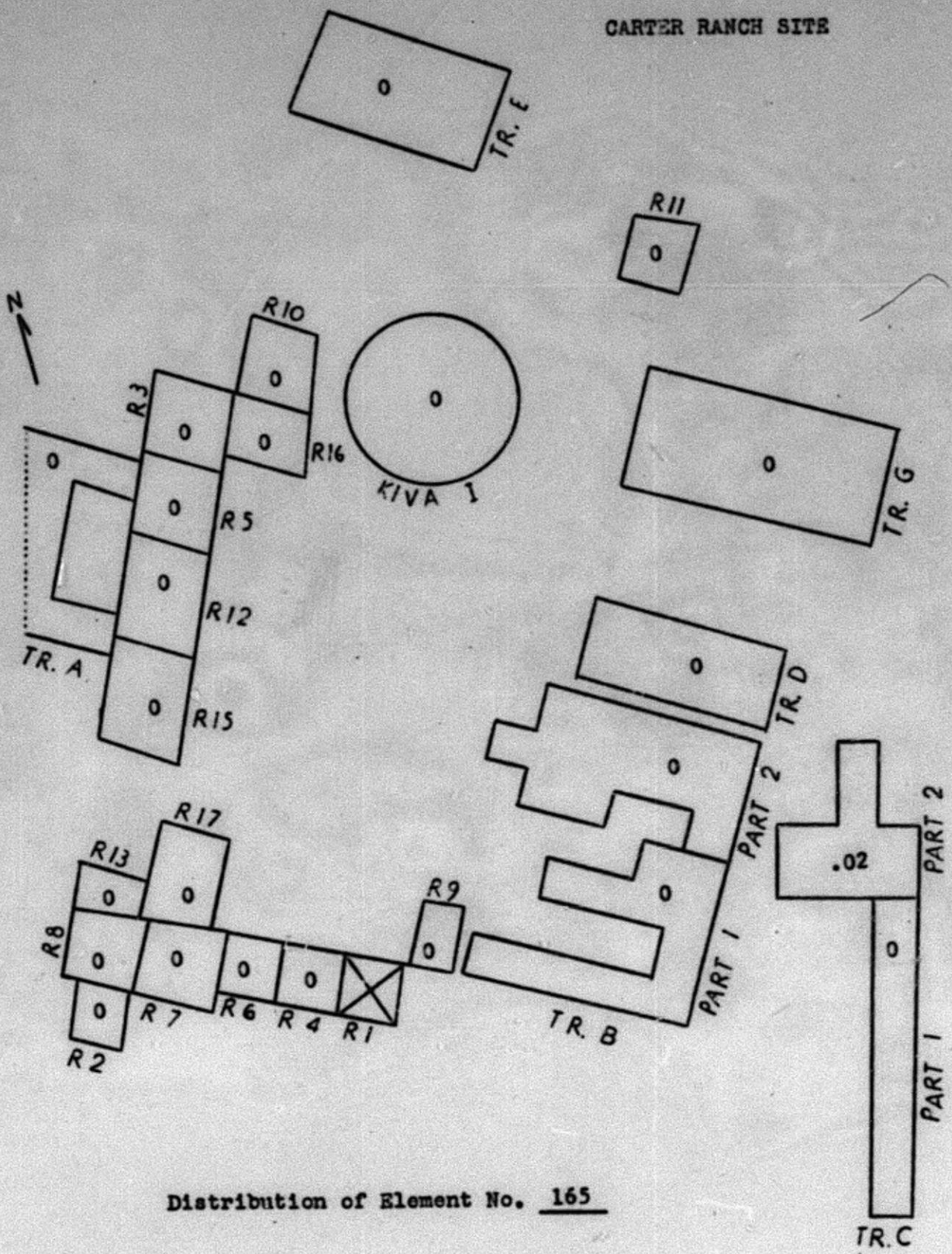
Distribution of Element No. 163

CARTER RANCH SITE



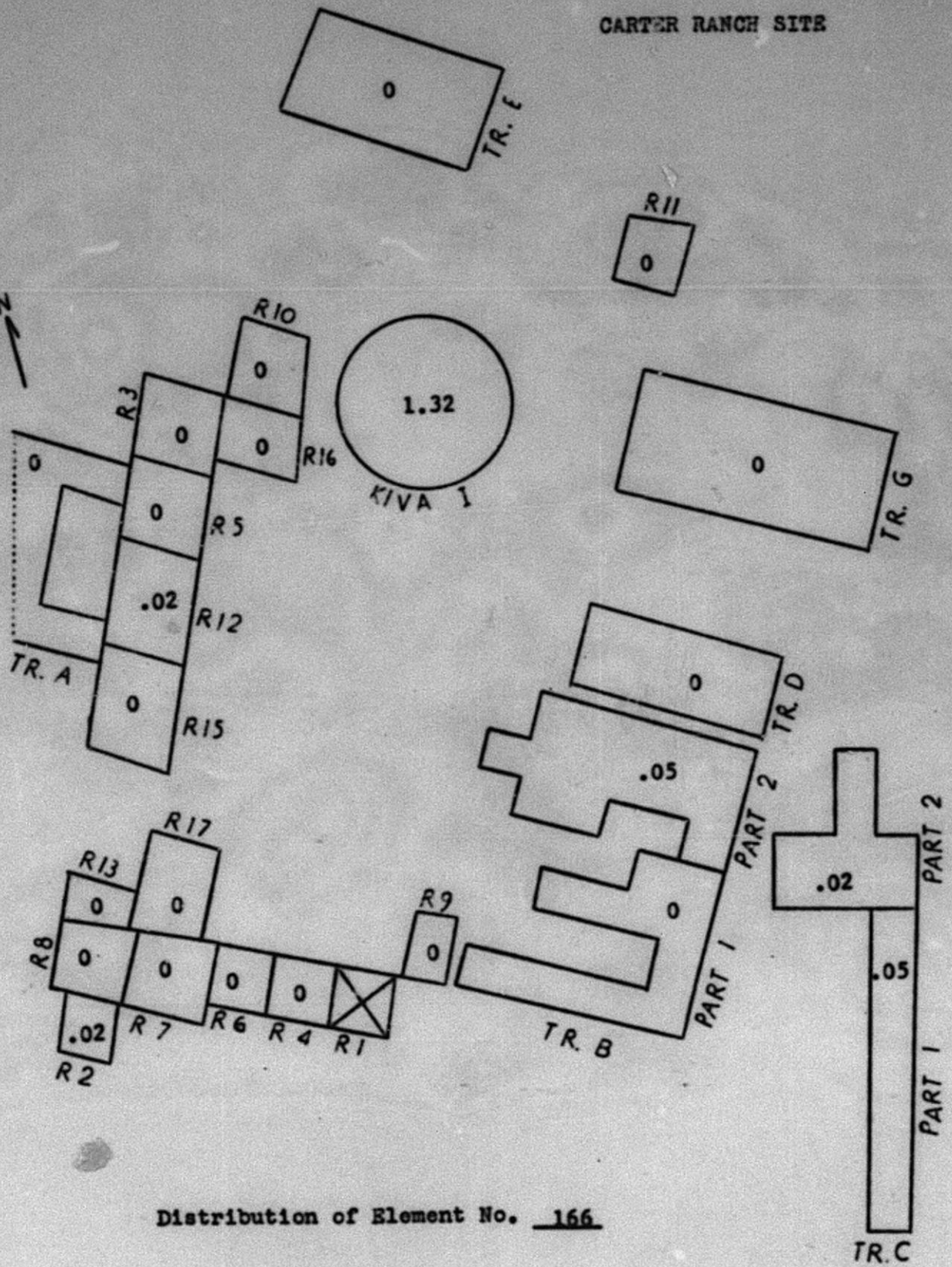
Distribution of Element No. 164

CARTER RANCH SITE



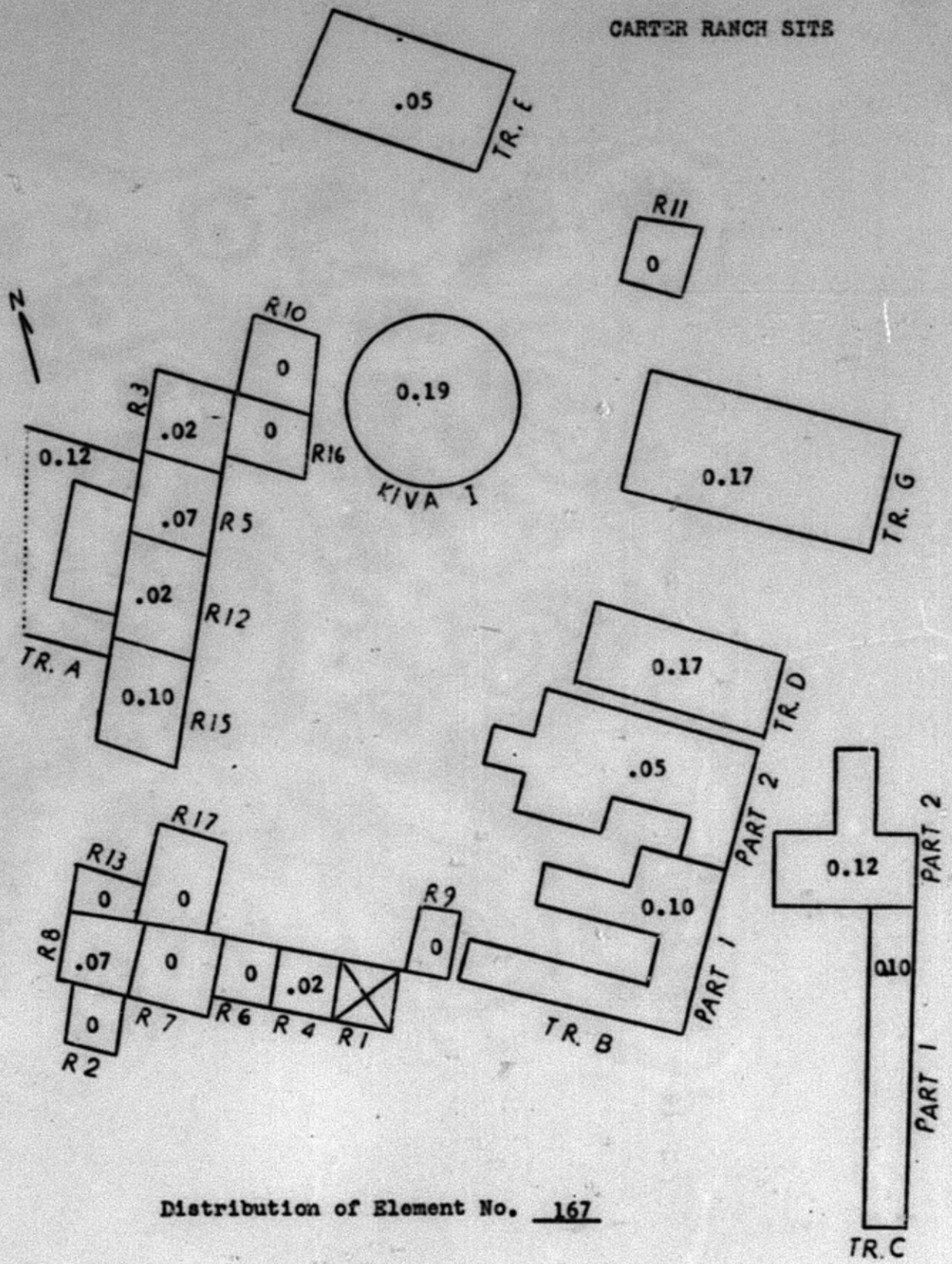
Distribution of Element No. 165

CARTER RANCH SITE



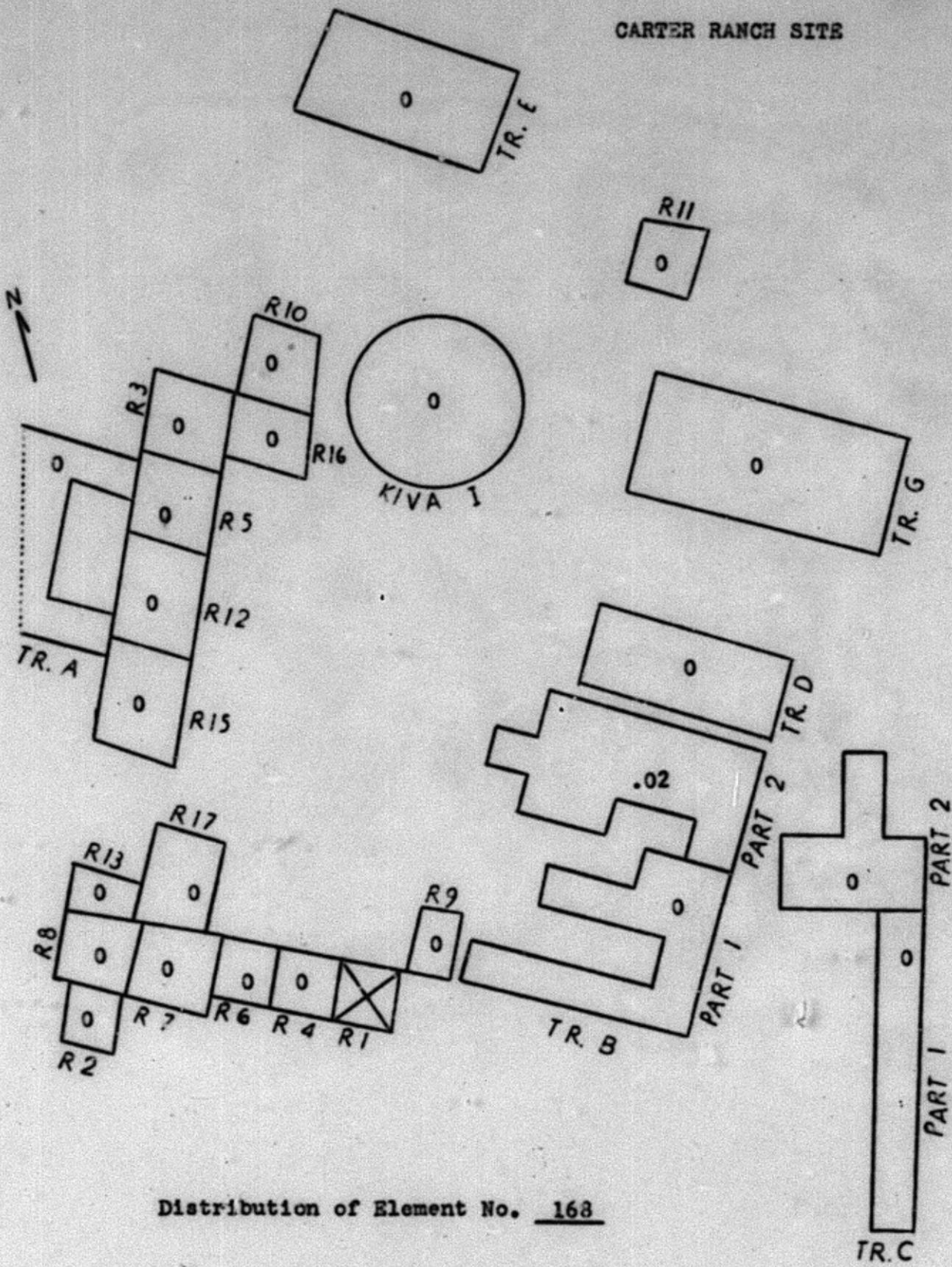
Distribution of Element No. 166

CARTER RANCH SITE



Distribution of Element No. 167

CARTER RANCH SITE



Distribution of Element No. 168

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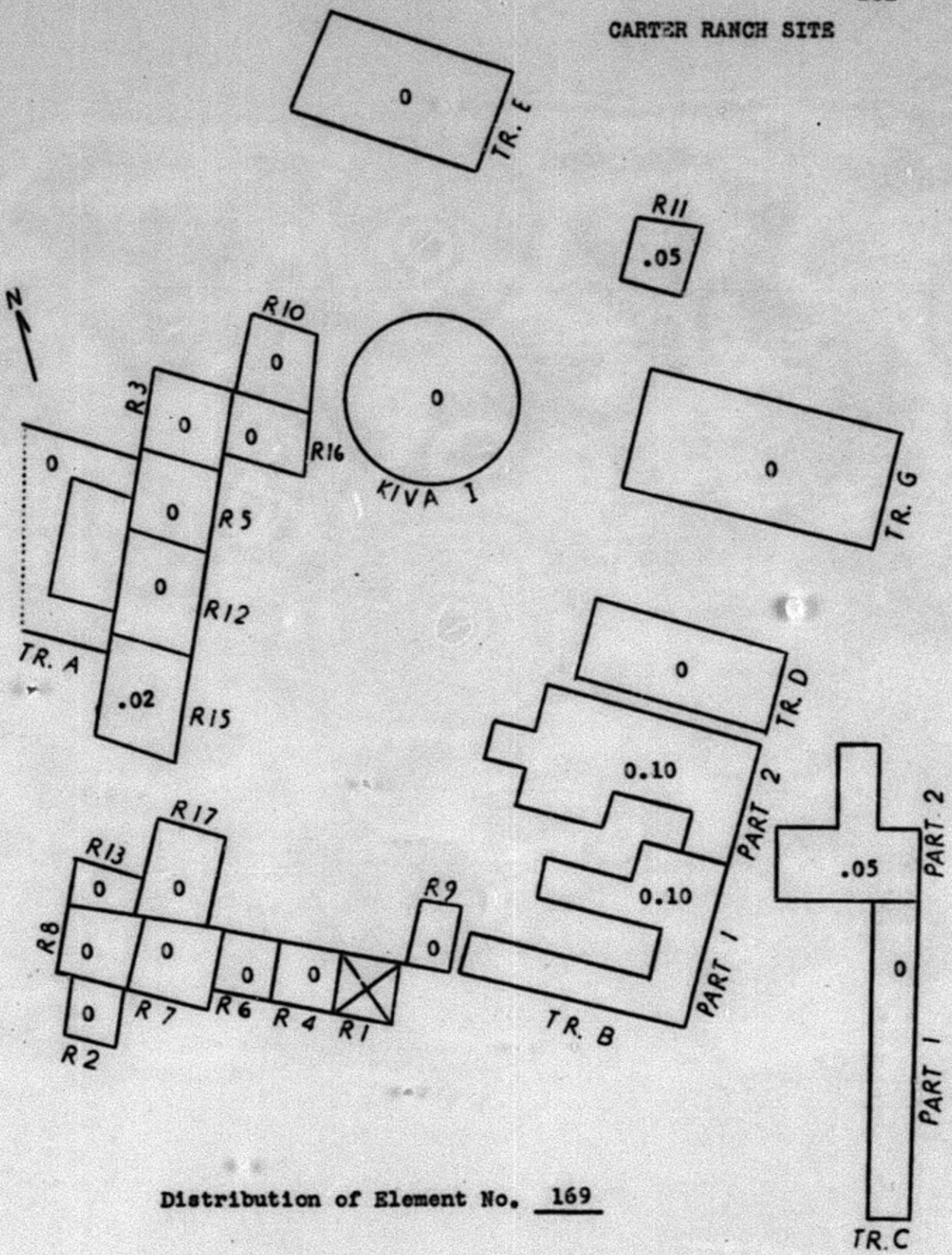
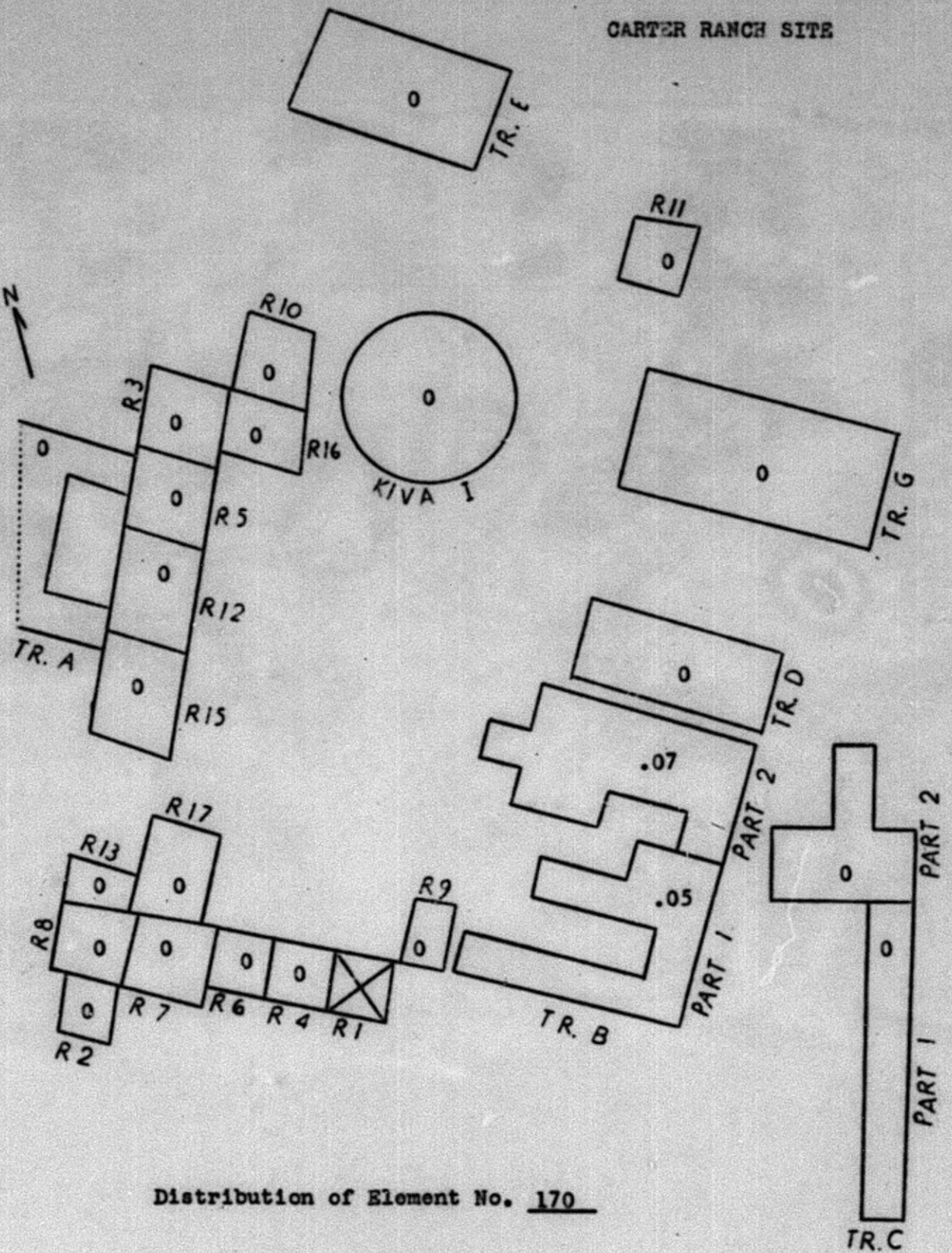


Distribution of Element No. 169

CARTER RANCH SITE



Distribution of Element No. 170

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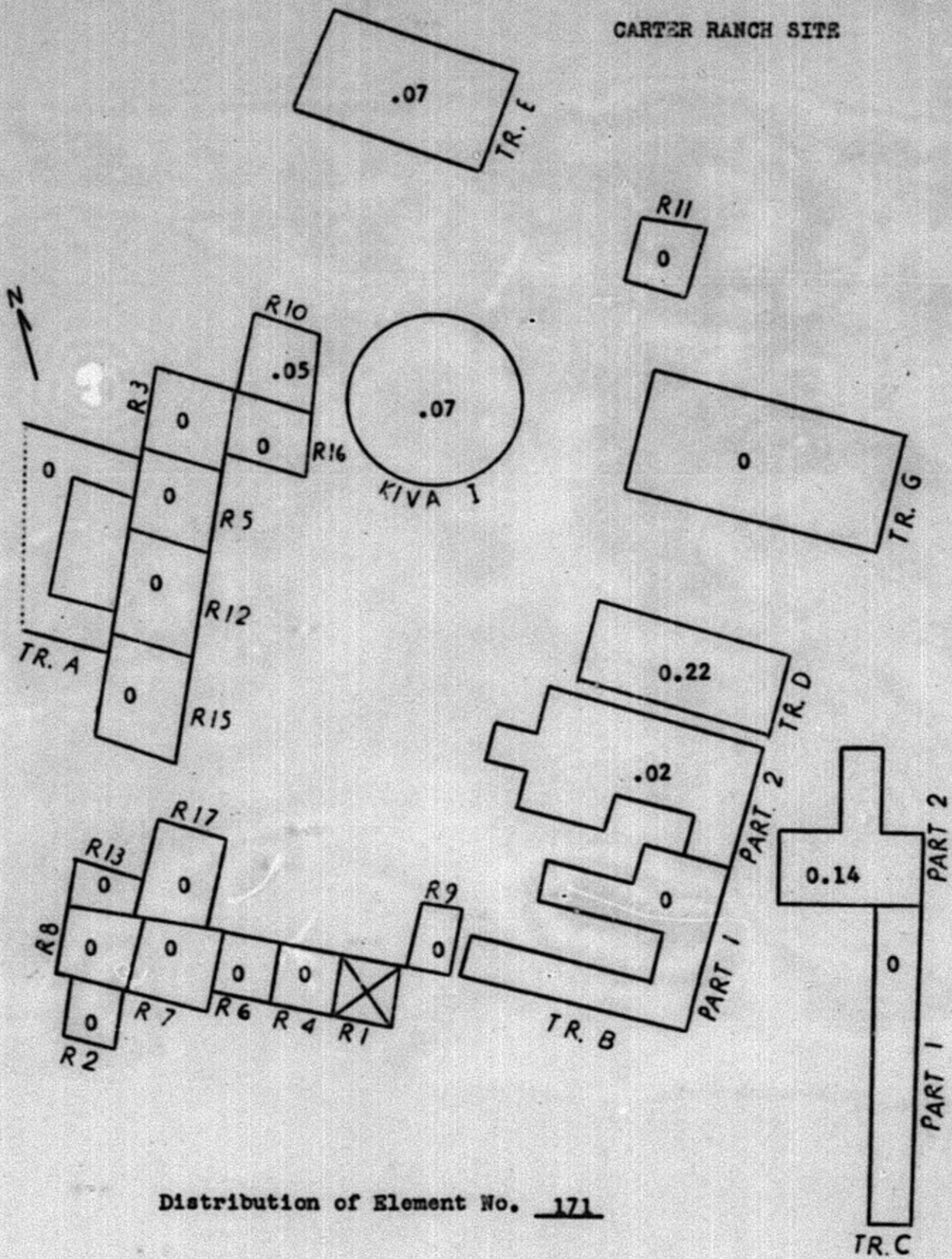
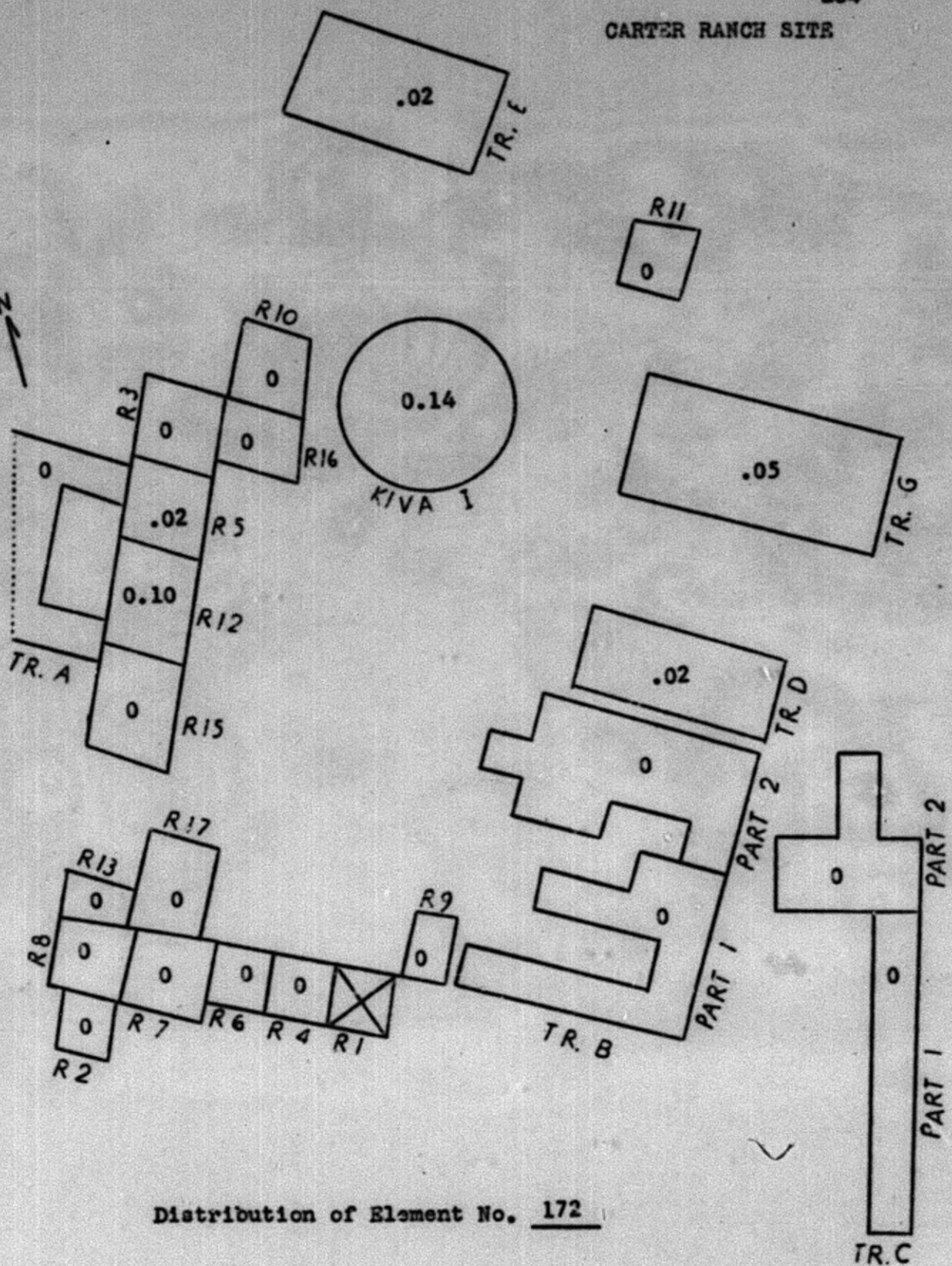


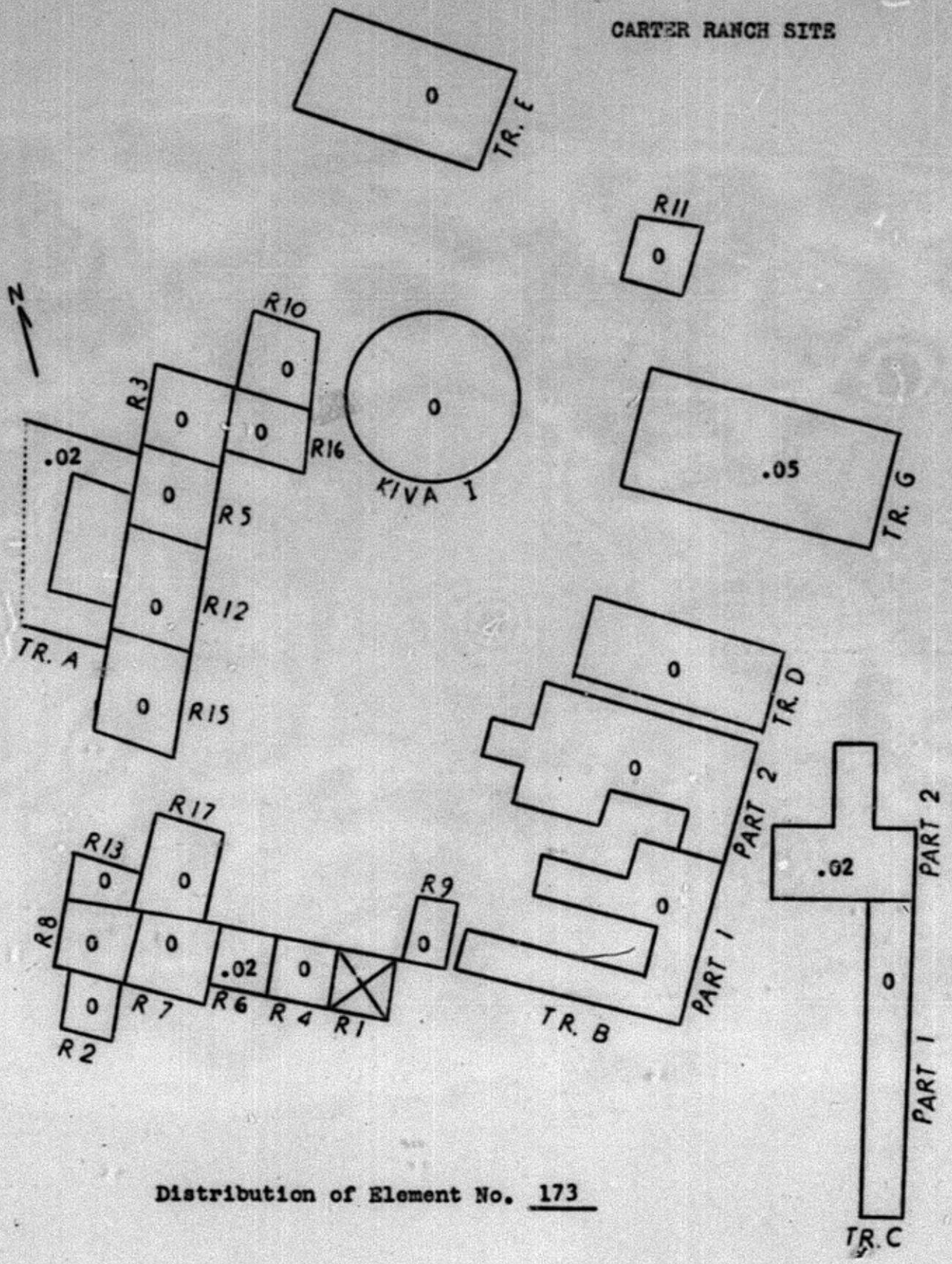
Distribution of Element No. 171

CARTER RANCH SITE



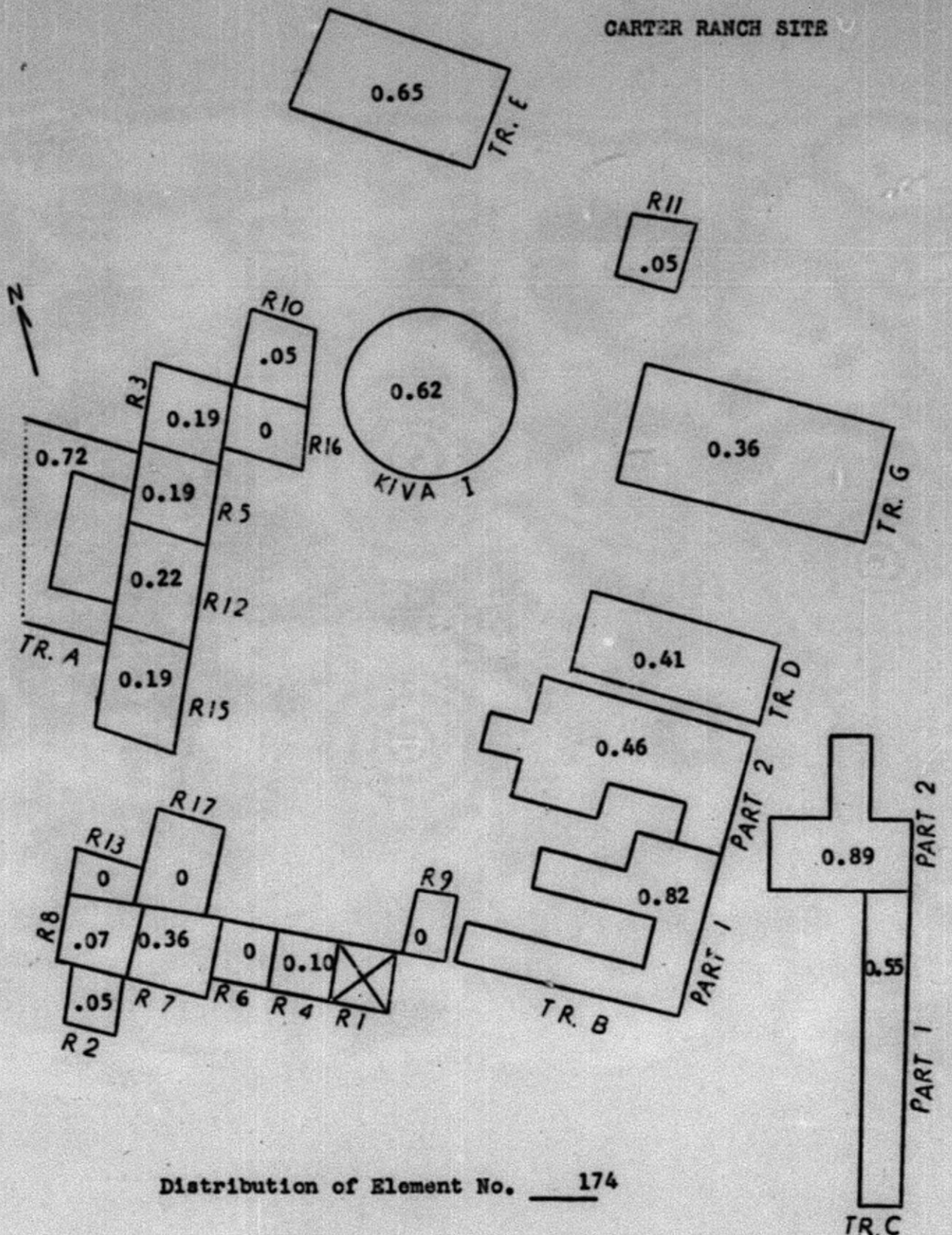
Distribution of Element No. 172

CARTER RANCH SITE



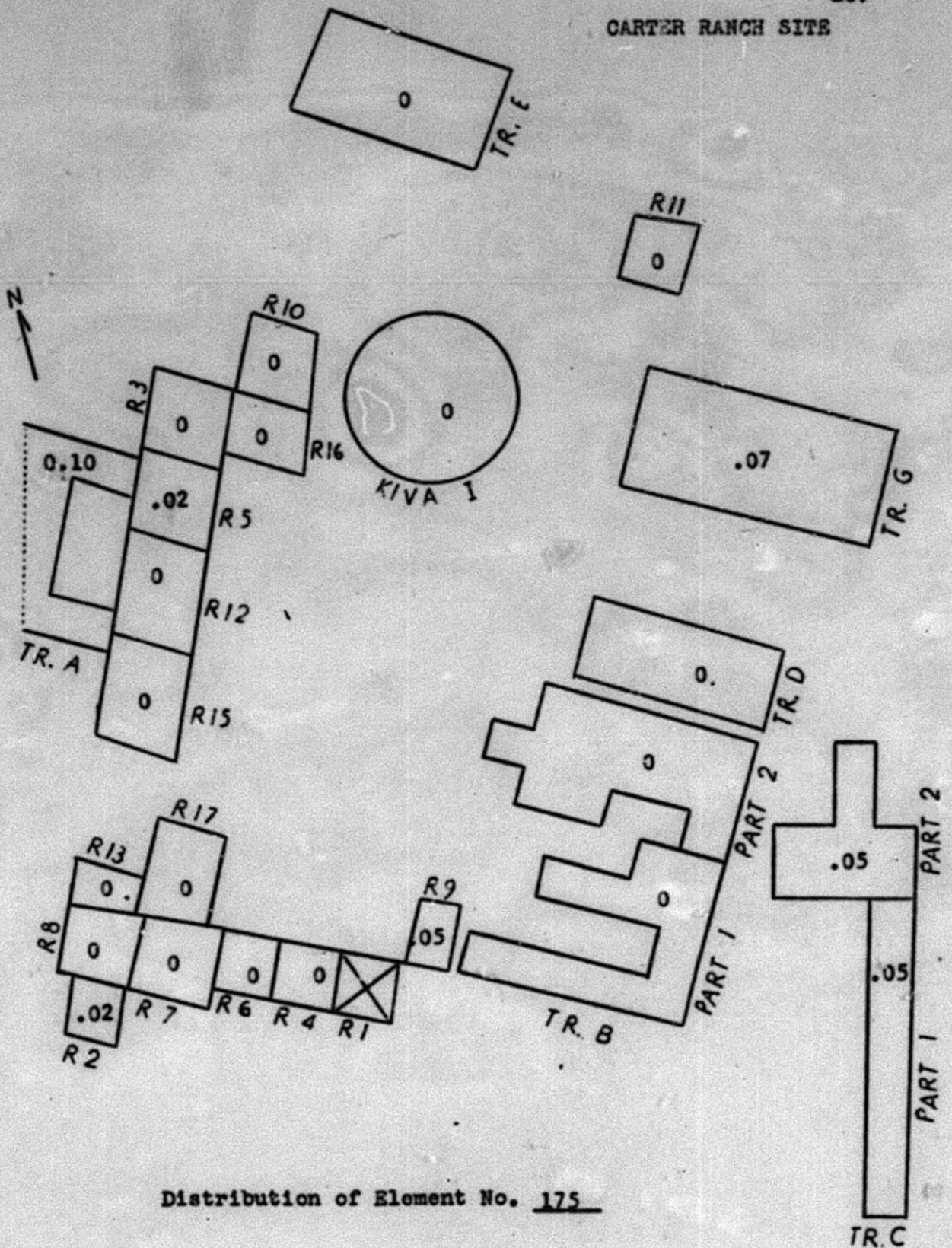
Distribution of Element No. 173

CARTER RANCH SITE



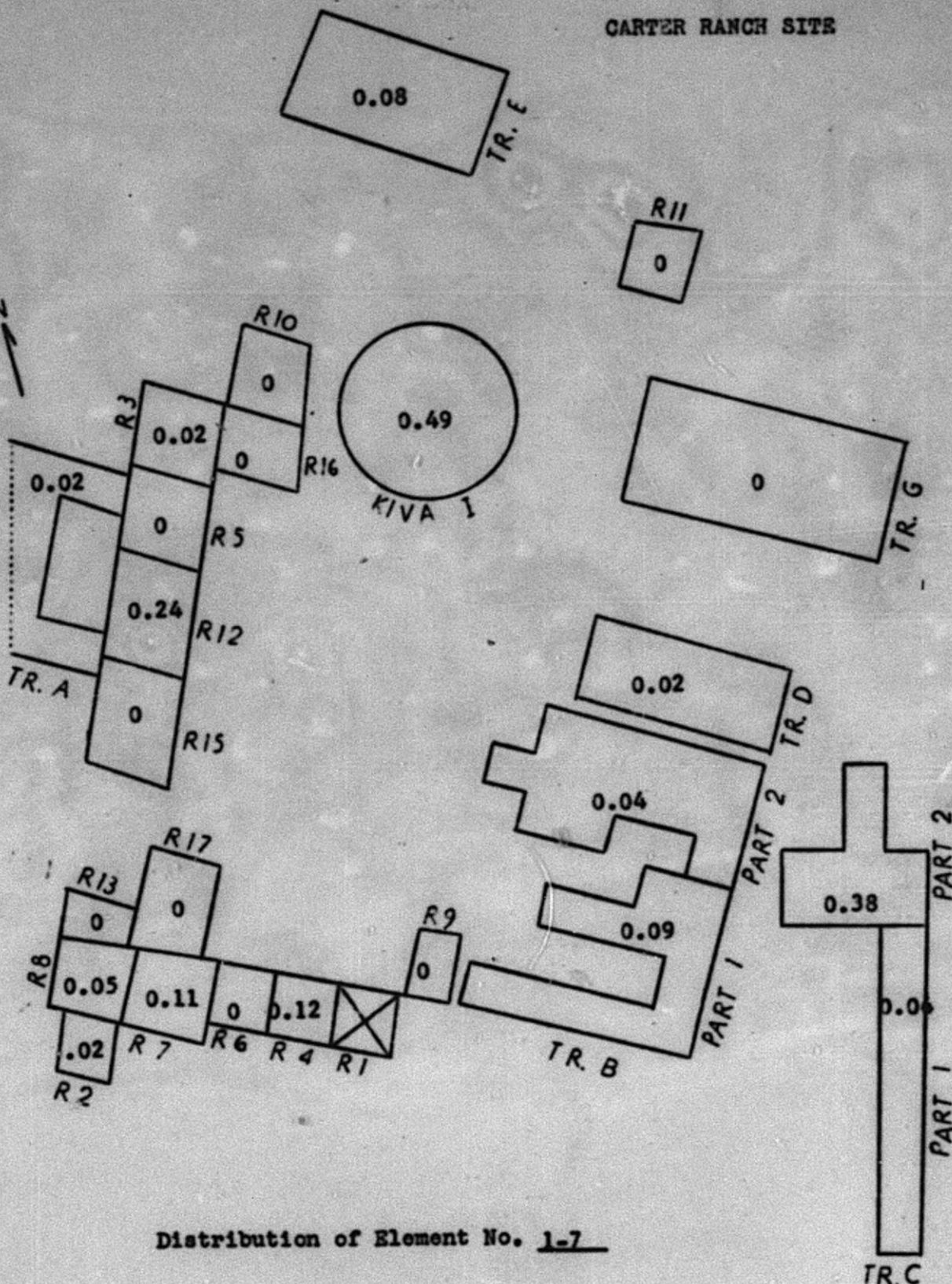
Distribution of Element No. 174

CARTER RANCH SITE



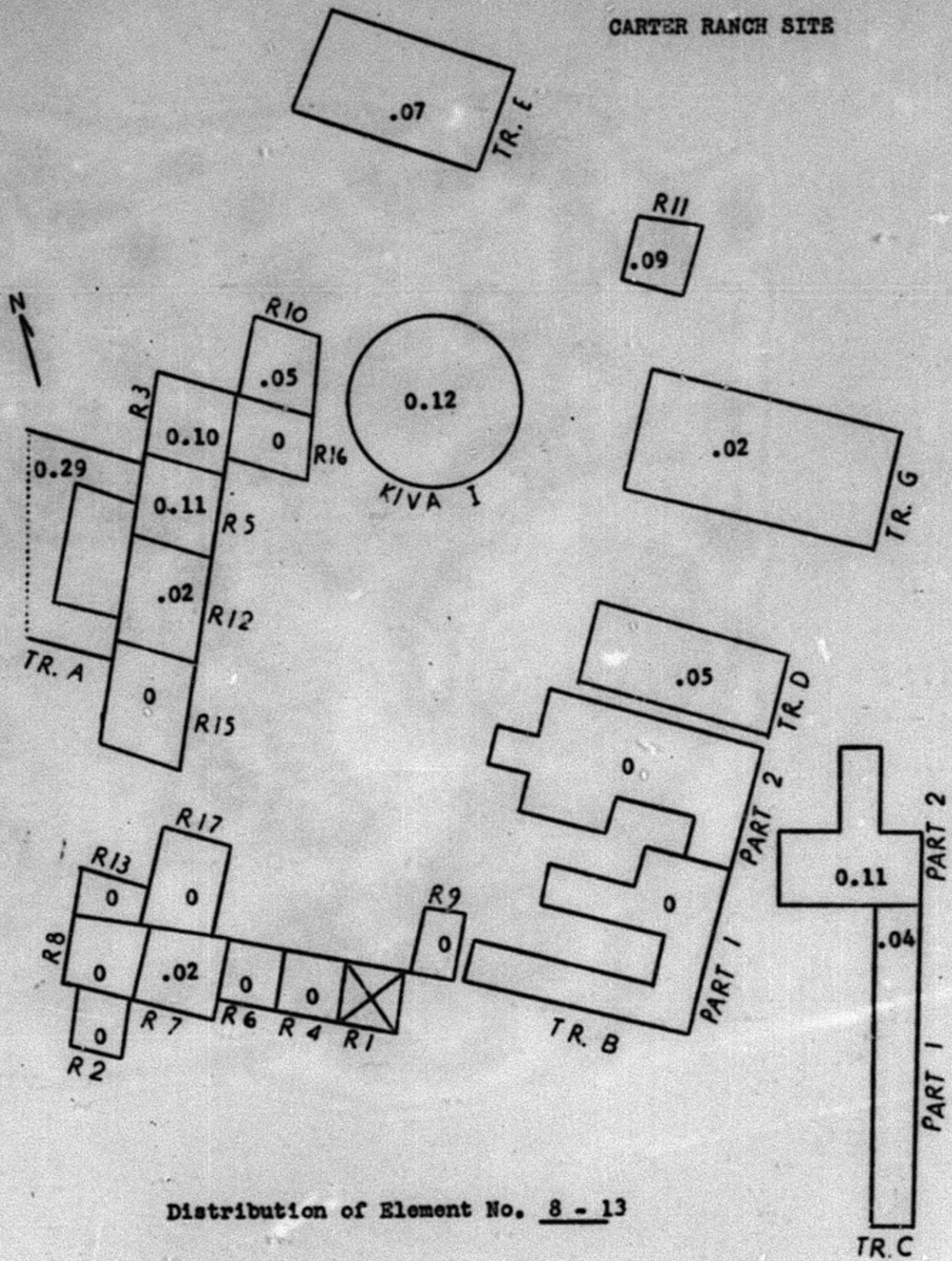
Distribution of Element No. 175

CARTER RANCH SITE



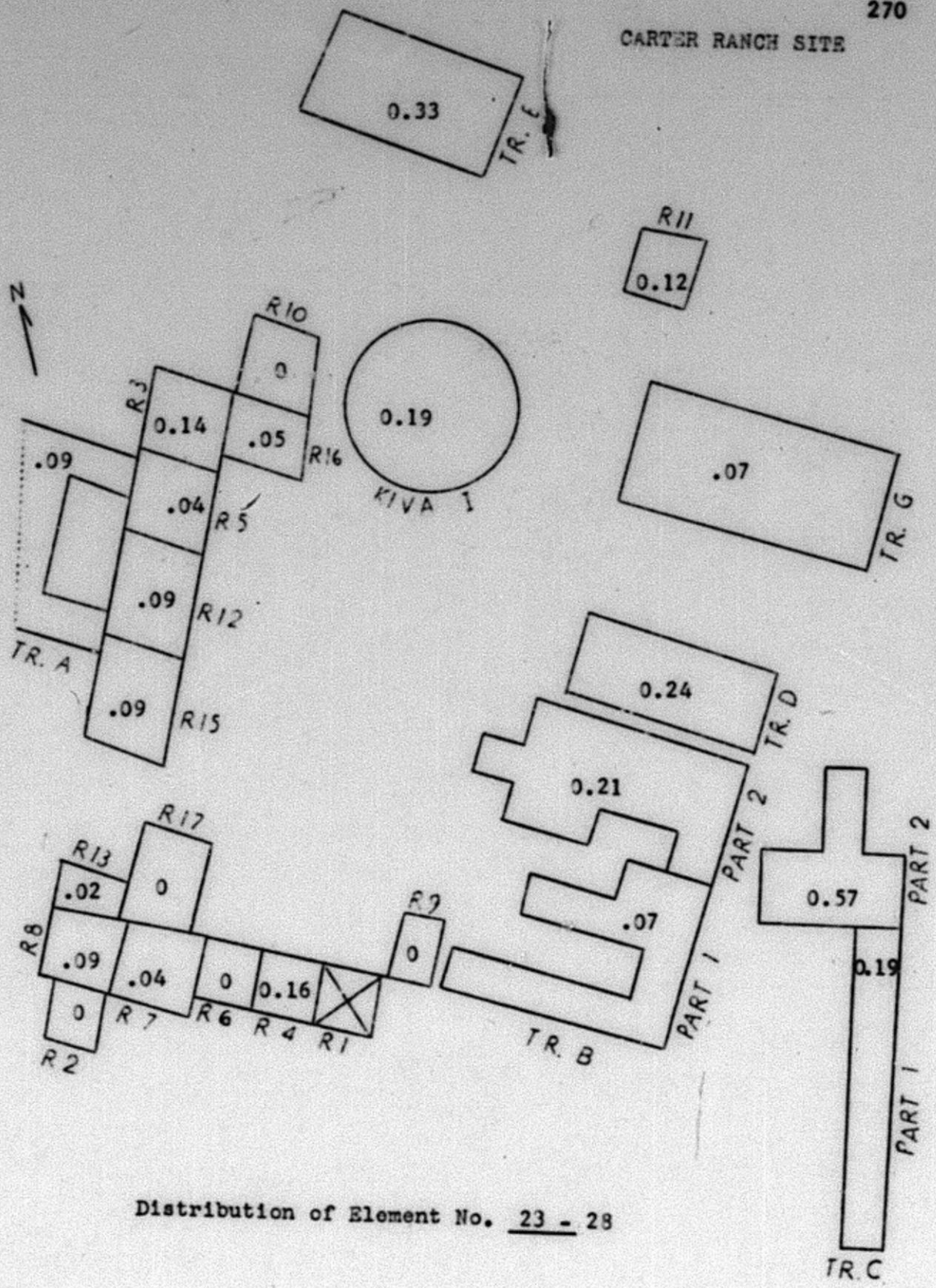
Distribution of Element No. 1-7

CARTER RANCH SITE



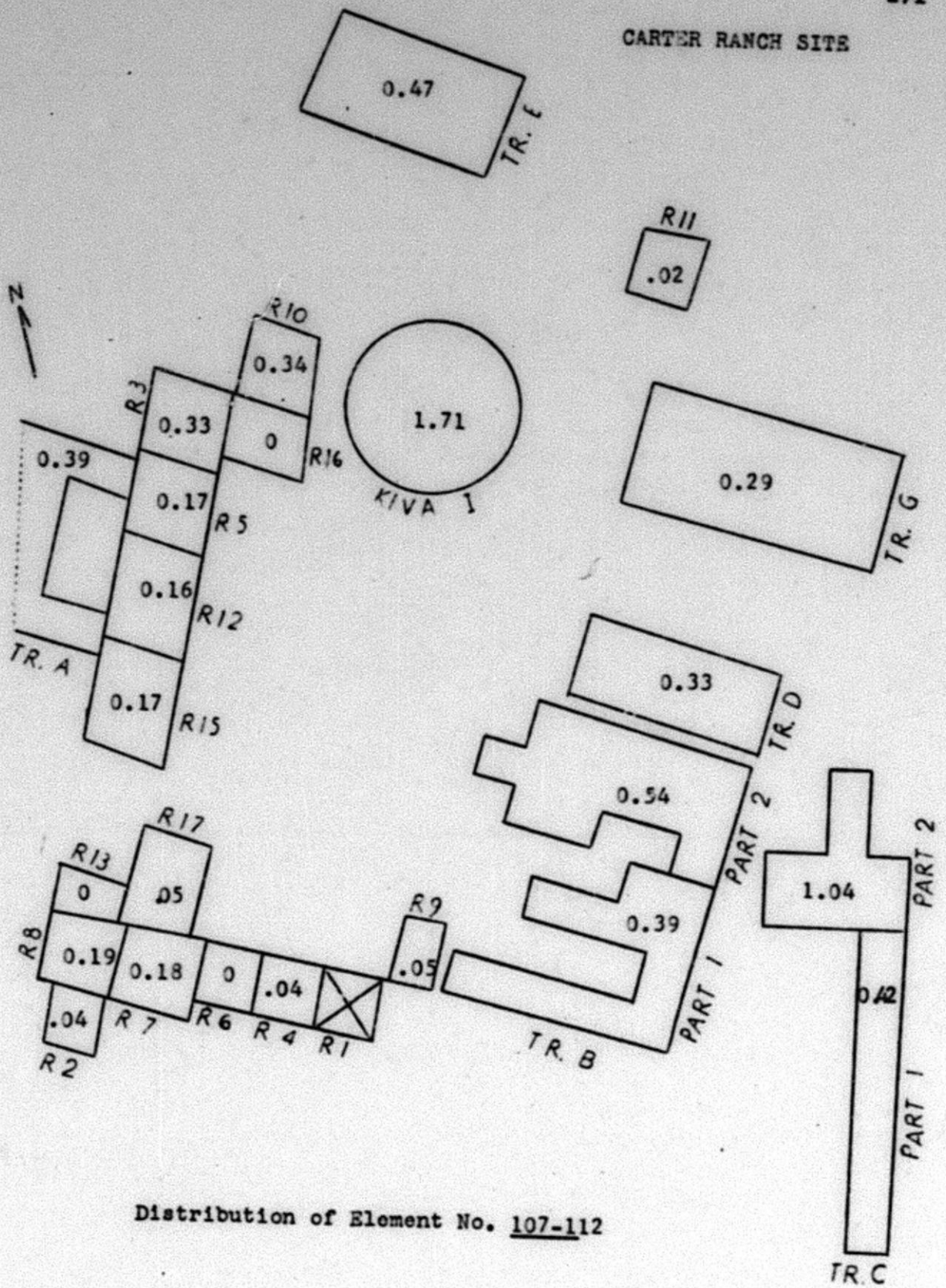
Distribution of Element No. 8 - 13

CARTER RANCH SITE



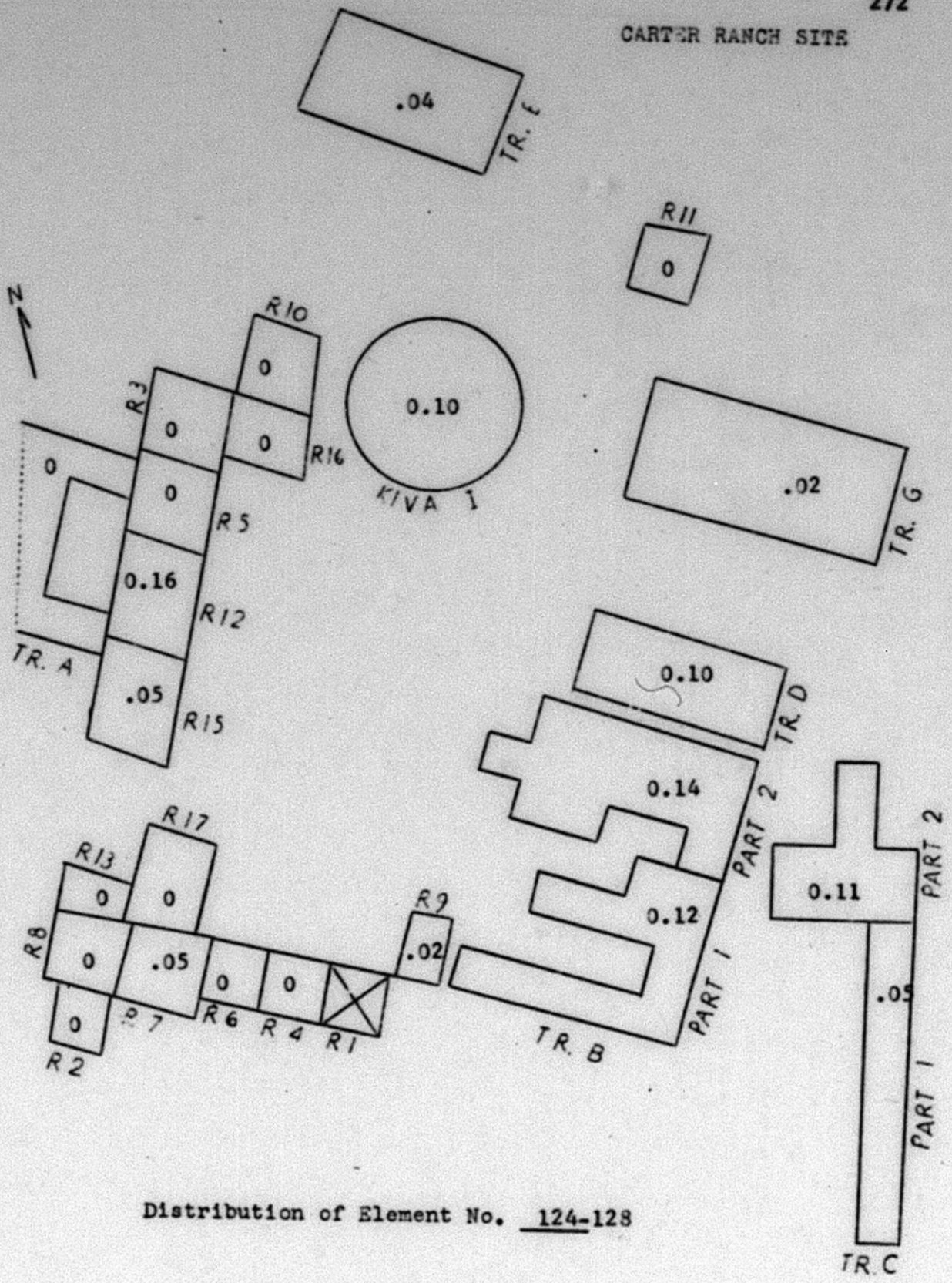
Distribution of Element No. 23 - 28

CARTER RANCH SITE



Distribution of Element No. 107-112

CARTER RANCH SITE



Distribution of Element No. 124-128

The distribution of 175 elements of design in relative frequency at the Carter Ranch Site and 23 other sites located by the surface survey (sample size heads each column).

Element	Carter Ranch Site (4,160)	LS-211 (303)	LS-208 (160)	LS-209 (142)	LS-212 (67)
1	0.51	0.32	0	0	1.49
2	0.49	0	0	0	0
3	0.45	0	0	0	0
4	0.04	0	0	0	0
5	0.04	0	0	0	0
6	0.08	0.32	0	0	0
7	0.05	0	0	0	0
8	0.02	0	0	0	1.49
9	0.02	0	0	0	0
10	0.02	0	0	0	0
11	0.66	0	0	0	0
12	0.33	0	0	0	0
13	0.04	0.32	0	0	0
14	0.32	0	0	0	0
15	0.02	0	0	0	0
16	0.89	0.99	0	0.70	0
17	0.02	0	0	0	0
18	0.14	0	0	0	0
19	0.48	0	0	0	0
20	0.08	0	0	0	0
21	0.08	0	0	0	0
22	0.02	0	0	0	0
23	0.11	0	0	0.70	0
24	1.40	0.65	0.63	0.70	0
25	0.30	0	0	0	0
26	0.55	0	0	0	0
27	0.32	0	0	0	0
28	0.12	0	0	0	0

Element	C.R. Site	LS-211	LS-208	LS-209	LS-212
29	0.51	0	0	9.15	2.99
30	3.09	1.98	5.00	0	0
31	1.61	1.98	0	0	0
32	0.52	0	0.63	0	0
33	0.45	0	0	0	0
34	0.04	0	0	0	0
35	0.89	0	0	0	0
36	0.07	0	0	0	0
37	0.07	0	0	0	0
38	0.43	1.65	0	0	0
39	0.04	0	0	0	0
40	0.35	0	0	0	0
41	0.44	0.65	0.63	0	0
42	0.15	0	0	0	0
43	0.43	0	0	0	0
44	0.25	0	0.63	0	0
45	0.12	0	0	0	0
46	0.12	0.32	0	0	0
47	0.02	0	0	0	0
48	0.32	0	0	0	0
49	0.27	4.95	0	0	0
50	0.27	0	0	0	0
51	0.06	0.65	0	0	0
52	0.04	0	0	0	0
53	0.06	0	0	0	0
54	0.59	2.64	0	0.70	0
55	0.59	0	0	0	0
56	1.57	0.99	0.63	0	0
57	0.02	0	0	0	0
58	0.09	0.32	0	1.41	0

Element	C.R. Site	LS-211	LS-208	LS-209	LS-212
59	0.02	0	0	0	0
60	0.14	0	0	0	0
61	0.04	0	0	0	0
62	0.04	0.32	0	0	0
63	0.02	0	0	0	0
64	0.14	0	0	0	0
65	0.09	0	0	0	0
66	0.22	0	0	0	0
67	0.06	0	0	0	0
68	0.37	0.32	0	0	0
69	0.12	0	0	0	0
70	7.39	6.60	0.63	0	1.49
71	0.23	0	0	0	0
72	0.89	0	0	0	2.99
73	19.42	19.14	58.75	65.49	34.33
74	1.07	0	0	0	0
75	0.26	0	0	0	0
76	0.20	0	0	0	0
77	0.05	0	0	0	0
78	0.02	0	0	0	0
79	0.02	0	0	0	0
80	0.17	0	0	0	0
81	0.11	0	0	0	0
82	0.08	0	0	0	0
83	0.04	0	0	0	0
84	0.02	0	0	0	0
85	0.04	0	0	0	0
86	0.02	0	0	0	0
87	0.07	0	0	0	0
88	1.92	0	0	1.41	8.96

Element	C.R. Site	LS-211	LS-208	LS-209	LS-212
89	1.25	0	0	0	0
90	0.05	0	0	0	0
91	0.02	0	0	0	0
92	0.11	0	0	0	0
93	0.04	0	0	0	0
94	0.13	0.32	0	0.70	0
95	0.75	3.96	3.13	0	0
96	0.09	0	0	0	0
97	0.11	0	0	0	0
98	1.52	2.31	1.88	0	0
99	0.02	0	0	0	0
100	0.38	0.99	0	0.70	0
101	0.04	0	0	0	0
102	0.11	0	0	0	1.49
103	0.17	0.32	0	0	0
104	0.22	0	0	0	0
105	0.51	0	0	0.70	0
106	0.28	0	0	0	0
107	1.18	0.65	3.15	1.41	0
108	2.68	4.62	0.63	0	2.99
109	0.02	0	0	0	0
110	1.33	0.99	0	2.11	0
111	0.79	0	0.63	0	0
112	0.69	0.65	0	0	0
113	0.21	0	0	0	0
114	0.18	0.32	0	0	0
115	0.06	0	0.63	0	0
116	0.04	0	0	0	0
117	0.07	0	0	0	0
118	0.56	0	0.63	0	0

Element	C.R. Site	LS-211	LS-208	LS-209	LS-212
119	0.59	0.32	0.63	0	0
120	0.54	0	0	0	0
121	0.11	0	0	0	0
122	0.26	0	0	0	0
123	0.09	0.65	0	0	0
124	0.49	0.32	0	0	0
125	0.02	0	0	0	0
126	0.02	0	0	0	0
127	0.35	0.32	0	0	0
128	0.04	0	0	0	0
129	0.73	0.32	0	0	0
130	0.13	0	0	0	0
131	0.32	1.65	0	0	0
132	0.05	0	0	0	0
133	0.28	0	0	0.70	0
134	0.35	2.31	0	0	2.99
135	0.09	0	0	0	0
136	0.10	0	0	0	0
137	0.15	0.32	0	0	0
138	0.15	0	0	0	0
139	0.21	0	0	0	0
140	0.86	0.32	0	0	0
141	0.16	0	0	0	0
142	0.11	0	0	0	0
143	1.02	1.98	0.63	0	1.49
144	0.04	0	0	0	0
145	0.06	0	0	0	0
146	0.04	0	0	0	0
147	0.13	0	0	0	0
148	0.10	0	0	0	0

Element	C.R. Site	LS-211	LS-208	LS-209	LS-212
149	0.74	5.94	0	0	5.97
150	0.50	0	0	0	0
151	0.14	0.32	0	0	0
152	0.05	0	0	0	0
153	0.02	0	0	0	0
154	0.19	0	0	0.70	0
155	0.20	0	0	0	0
156	0.07	0	0	0	0
157	0.06	0	0	0	0
158	0.13	0	0	0	0
159	0.07	0	0	0	0
160	0.02	0	0	0	0
161	0.04	0	0	0	0
162	2.33	1.98	0	0	0
163	7.01	4.95	15.00	9.86	19.40
164	0.35	0	0	0	0
165	0.02	0	0	0	0
166	1.48	0.65	0	0	0
167	1.40	0.65	1.25	0	1.49
168	0.02	0	0	0	0
169	0.37	0	0	1.41	7.46
170	0.12	0	0	0	0
171	0.57	0	0	0	0
172	0.35	2.64	1.88	0	0
173	0.11	0	0	0	0
174	6.95	13.20	1.88	0	2.99
175	0.36	0	0	0.70	0

Element	LS-230 (71)	LS-229 (147)	LS-217 (134)	LS-216 (202)	LS-176 (63)
1	0	0	0	0.49	0
2	0	0	0	0	0
3	0	0	0	0.49	0
4	0	0	0	0.49	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0.67	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0.67	0	0	0
17	0	0.67	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	1.[illegible]	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	1.41	0	0	0	0
27	0	0.67	0	0	0
28	0	0	0	0	0

Element	LS-230	LS-229	LS-217	LS-216	LS-176
29	0	2.04	0.74	0	0
30	0	4.08	0.74	0	7.94
31	2.81	0.67	1.49	1.98	0
32	0	0	0	0	0
33	0	0	0	0	0
34	0	0	0	0	0
35	0	0	0	7.92	3.18
36	0	0	0	0.49	0
37	0	0	0	0	0
38	0	0	0	0	0
39	0	0	0	0	0
40	0	0	0	0	0
41	0	0	0.74	0	0
42	0	0	0	0	0
43	0	0.67	1.49	0.99	0
44	0	0	0	0	0
45	0	0	0	0	0
46	0	0	0	0	0
47	0	0	0	0	0
48	0	0	0	0	0
49	0	0	1.49	0.49	0
50	0	0	0	0	0
51	0	0	0	1.49	0
52	0	0	0	0	0
53	0	0	0	0	0
54	0	0	0	0	0
55	0	0	0	0	0
56	0	0	0.74	1.98	4.76
57	0	0	1.49	0	0
58	0	0	0	0	0

Element	LS-230	LS-229	LS-217	LS-216	LS-176
59	0	0	0	0	0
60	0	0	0	0	0
61	0	0	0	0	0
62	0	0	0	0	0
63	0	0	0	0	0
64	0	0	0	0	0
65	0	0.67	0	0	0
66	0	0	0	0	0
67	0	0	0	0	0
68	0	0	0.74	0	0
69	0	0	0	0	0
70	0	2.72	0	0.49	4.76
71	0	0	0	0	0
72	0	0.67	0	0	0
73	28.17	18.37	39.55	26.73	33.33
74	0	0	0	0	0
75	0	0	0	0	0
76	0	0	0	0	0
77	0	0	0	0	0
78	0	0	0	0	0
79	0	0	0	0	0
80	0	0	0	0	0
81	0	0	0	0	0
82	0	0	0	0	0
83	0	0	0	0	0
84	0	0	0	0	0
85	0	0	0	0	0
86	0	0	0	0	0
87	0	0	0	0	0
88	0	0	1.49	3.47	0
89	0	0	0	0	0

Element	LS-230	LS-229	LS-217	LS-216	LS-176
90	0	0	0	0	0
91	0	0	0	0	0
92	0	0	0	0	0
93	0	0	0	0	0
94	1.41	0	0	2.48	1.59
95	2.81	0.67	2.24	0	0
96	0	0	0	0	0
97	0	0	0	0	0
98	0	0	0	0.49	0
99	0	0	0	0	0
100	0	0	0.74	0.49	0
101	0	0	0	0	0
102	0	0	0	0	0
103	0	0	0	0.49	0
104	0	0	0	0	0
105	0	1.36	0	0	0
106	1.41	0	0	0	0
107	5.63	1.36	0	0.99	3.18
108	0	1.36	5.22	0.99	1.59
109	0	0	0	0	0
110	0	3.40	0.74	0.49	0
111	0	1.36	0	0	0
112	0	0	2.24	0.49	0
113	0	0	0	0	0
114	0	0	0	1.98	1.59
115	0	0	0	0	0
116	0	0	0	0	0
117	0	0	0	0	0
118	0	0	0	0	0
119	0	0	0	0	0
120	0	0	0	0	0

Element	LS-230	LS-229	LS-217	LS-216	LS-176
121	0	0.67	0	0.49	0
122	0	0	0	0	0
123	0	0	0	0	0
124	4.23	0	0	0	0
125	0	0	0	0	0
126	0	0	0	0	0
127	0	0	0	0.49	1.59
128	0	0	0	0	0
129	0	1.36	0	0.99	0
130	0	0	0	0	0
131	0	0	0	0	0
132	0	0.67	0	0	0
133	0	0	0	0	0
134	0	2.72	0	4.16	3.18
135	0	0	0	0	0
136	0	0	0	0.49	0
137	0	0	0	0.49	0
138	0	0	0	0	0
139	1.41	0	0	0	0
140	0	0.67	1.49	0	1.59
141	0	0	0	0.49	0
142	0	0	0	0	0
143	0	1.36	0.74	0	0
144	0	0	0	0	0
145	0	0	0	0	0
146	0	0	0	0	0
147	0	0	0	0	0
148	0	0	0	0	0
149	1.41	0.67	3.73	0	0
150	0	0	0	0.99	0
151	0	1.36	0	0	0

Element	LS-230	LS-229	LS-217	LS-216	LS-176
152	0	0	0	0	0
153	0	0	0	0	0
154	0	0	0	0	0
155	1.41	0	0	0	0
156	0	0	0	0	0
157	0	0	0	0	0
158	0	0	0	0	0
159	0	0	0	0	0
160	0	0	0	0	0
161	0	0	0	0	0
162	0	0	0	1.49	0
163	16.90	17.69	10.45	24.75	9.52
164	0	0	0	0	0
165	0	0	0	0	0
166	0	0	0	0	0
167	0	0	0	0.49	1.59
168	0	0	0	0	0
169	0	0	0.74	1.98	0
170	0	0	0	0	0
171	0	0	0	0	0
172	0	1.36	0.74	0.99	0
173	0	0	0	0	0
174	29.58	24.49	20.15	2.97	20.64
175	0	0	0	0.49	0

Element	LS-228 (69)	LS-177 (62)	LS-173 (33)	LS-231 (50)	LS-224 (56)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	1.61	0	0	0
6	0	0	0	0	0
7	0	0	0	0	3.57
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	1.45	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	2.0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	8.70	1.61	0	2.0	5.36
30	0	4.84	0	2.0	1.78

Element	LS-228	LS-177	LS-173	LS-231	LS-224
31	0	0	0	0	0
32	0	0	0	0	0
33	0	0	0	0	0
34	0	0	0	0	0
35	0	0	0	0	0
36	0	0	0	0	0
37	0	0	0	0	0
38	0	0	0	0	0
39	0	0	0	0	0
40	0	0	0	0	0
41	2.89	0	0	0	0
42	0	0	0	0	0
43	0	0	0	0	0
44	0	0	0	0	0
45	0	0	0	0	0
46	0	0	0	0	0
47	0	0	0	0	0
48	0	0	0	0	0
49	0	0	0	0	0
50	0	0	0	0	0
51	0	0	0	0	1.78
52	0	0	0	0	0
53	0	0	0	0	0
54	0	0	0	0	0
55	0	0	0	0	0
56	0	0	0	0	0
57	0	0	0	0	0
58	0	0	0	0	0
59	0	0	0	0	0
60	0	0	0	0	0
61	0	0	0	0	0
62	0	0	0	0	0

Element	LS-228	LS-177	LS-173	LS-231	LS-224
63	0	0	0	0	0
64	0	0	0	0	0
65	0	0	0	0	0
66	0	0	0	0	0
67	0	0	0	0	0
68	0	0	0	0	0
69	0	0	0	0	0
70	2.89	0	0	0	0
71	0	0	0	0	0
72	0	0	0	0	0
73	60.87	22.58	9.09	6.0	32.14
74	0	0	0	0	0
75	0	0	0	0	0
76	0	0	0	0	0
77	0	0	0	0	0
78	0	0	0	0	0
79	0	0	0	0	0
80	0	0	0	0	0
81	0	0	0	0	0
82	0	0	0	0	0
83	0	0	0	0	0
84	0	0	0	0	0
85	0	0	0	0	0
86	0	0	0	0	0
87	0	0	0	0	0
88	4.35	2.23	3.03	16.00	0
89	0	1.61	0	0	1.78
90	0	0	0	0	0
91	0	0	0	0	0
92	0	0	0	0	0
93	0	0	0	0	0
94	0	0	0	0	0

Element	LS-228	LS-177	LS-173	LS-231	LS-224
95	1.45	0	6.06	0	0
96	0	0	0	0	0
97	0	0	0	2.0	1.78
98	0	0	3.03	0	0
99	0	0	0	0	0
100	2.89	0	0	0	0
101	0	0	0	0	0
102	0	0	0	0	0
103	0	0	0	0	0
104	0	0	0	0	0
105	0	0	0	0	1.78
106	0	0	0	0	0
107	0	0	0	0	0
108	0	0	0	0	0
109	0	0	0	0	0
110	0	3.23	0	4.0	0
111	0	3.23	0	0	0
112	0	3.23	0	4.0	0
113	0	0	0	0	0
114	0	0	0	0	0
115	0	0	0	0	0
116	0	0	0	0	0
117	0	0	0	0	0
118	0	0	0	0	1.78
119	0	3.23	0	0	0
120	0	0	0	0	0
121	0	1.61	.0	0	0
122	0	0	0	0	0
123	0	1.61	3.03	0	0
124	0	0	0	0	0
125	0	0	0	0	0
126	0	0	0	0	0

Element	LS-228	LS-177	LS-173	LS-231	LS-224
127	0	0	0	0	0
128	0	0	0	0	0
129	0	0	3.03	0	1.78
130	0	0	0	0	0
131	0	1.61	0	14.0	0
132	0	0	0	0	0
133	0	0	0	0	0
134	0	0	0	0	1.78
135	0	0	0	0	0
136	0	0	0	0	0
137	0	0	0	0	0
138	0	0	0	0	0
139	0	0	0	0	0
140	0	3.23	0	2.0	0
141	0	0	0	0	0
142	0	0	0	0	0
143	0	4.84	0	2.0	1.78
144	0	0	0	0	0
145	0	0	0	0	0
146	0	0	0	0	0
147	0	0	0	0	0
148	0	0	0	0	0
149	0	0	0	0	0
150	0	0	0	0	0
151	0	0	0	0	0
152	0	0	0	0	0
153	0	0	0	0	0
154	0	0	0	0	0
155	0	0	0	0	0
156	0	0	0	0	0
157	0	0	0	0	0
158	0	0	0	0	0

Element	LS-228	LS-177	LS-173	LS-231	LS-224
159	0	0	0	0	0
160	0	0	0	0	0
161	0	0	0	0	0
162	0	0	0	0	0
163	10.14	27.42	39.39	24.0	35.71
164	0	0	0	0	0
165	0	0	0	0	0
166	0	0	0	2.0	0
167	1.45	1.61	0	4.0	1.78
168	0	0	0	0	0
169	0	0	3.03	0	3.57
170	0	0	0	0	0
171	0	0	0	2.0	0
172	0	0	9.09	0	0
173	1.45	0	0	0	0
174	1.45	9.68	15.15	12.0	1.78
175	0	0	0	0	0

Element	LS-101 (43)	LS-175 (54)	LS-108 (52)	LS-109 (82)	LS-28 (89)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	1.85	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	1.22	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	1.85	0	0	0
24	0	3.70	0	0	0
25	0	0	0	0	0
26	0	1.85	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	2.33	3.70	1.92	0	0
30	0	7.41	0	7.32	7.87
31	0	5.56	1.92	1.22	0

Element	LS-101	LS-175	LS-108	LS-109	LS-28
32	0	0	0	0	1.12
33	0	0	0	0	0
34	0	0	0	0	0
35	0	0	0	0	1.12
36	0	0	0	0	0
37	0	0	0	0	0
38	0	0	0	0	0
39	0	0	0	0	0
40	0	0	0	0	0
41	0	1.85	1.92	0	0
42	0	0	0	0	0
43	0	0	0	0	0
44	0	0	0	0	0
45	0	0	0	0	0
46	0	0	0	0	0
47	0	0	0	0	1.12
48	0	0	0	0	0
49	0	0	0	0	0
50	0	0	0	0	2.25
51	0	0	0	0	0
52	0	0	0	0	0
53	0	0	0	0	0
54	0	3.70	0	0	0
55	0	0	0	0	0
56	0	0	0	0	1.12
57	0	0	0	0	0
58	0	0	0	0	1.12
59	0	0	0	0	0
60	0	0	0	0	0
61	0	0	0	0	0
62	0	0	0	0	0
63	0	0	0	0	0

Element	LS-101	LS-175	LS-108	LS-109	LS-28
64	0	0	0	0	0
65	0	0	0	0	0
66	0	0	0	0	0
67	0	0	0	0	0
68	0	0	0	0	0
69	0	0	0	0	0
70	6.97	0	5.77	2.44	10.11
71	0	0	0	0	0
72	0	5.56	3.85	0	0
73	53.49	12.96	28.85	19.51	43.82
74	0	0	0	0	0
75	0	0	0	0	0
76	0	0	0	0	0
77	0	0	0	0	0
78	0	1.85	0	0	0
79	0	1.85	0	0	0
80	0	0	0	0	0
81	0	0	0	0	0
82	0	0	0	0	0
83	0	0	0	0	0
84	0	0	0	0	0
85	0	0	0	0	0
86	0	0	0	0	0
87	0	0	0	0	0
88	4.65	0	5.77	1.22	1.12
89	0	0	0	0	0
90	0	0	0	0	0
91	0	0	0	0	0
92	0	0	0	0	0
93	0	0	0	0	0
94	0	1.85	5.77	0	0
95	0	1.85	5.77	2.44	0

Element	LS-101	LS-175	LS-108	LS-109	LS-28
96	0	0	0	0	0
97	0	0	1.92	0	0
98	0	0	3.85	0	4.49
99	0	0	0	0	1.12
100	0	0	0	0	0
101	0	0	0	0	0
102	0	0	0	0	0
103	0	0	0	0	0
104	0	0	0	0	0
105	0	0	0	0	0
106	0	0	0	0	1.12
107	0	3.70	1.92	0	2.25
108	2.33	1.85	0	4.88	0
109	0	0	0	0	0
110	0	1.85	0	2.44	0
111	0	0	0	0	0
112	0	0	1.92	0	0
113	0	0	0	0	0
114	0	0	0	0	0
115	0	0	0	0	0
116	0	0	0	0	0
117	0	0	0	0	0
118	0	0	0	0	1.12
119	2.33	0	1.92	0	1.12
120	0	1.85	1.92	0	0
121	0	0	0	0	0
122	0	0	1.92	0	0
123	0	0	0	0	0
124	0	3.70	1.92	1.22	0
125	0	0	0	0	0
126	0	0	0	0	0
127	0	1.85	0	1.22	0

Element	LS-101	LS-175	LS-108	LS-109	LS-28
128	0	0	0	0	0
129	2.33	0	0	0	0
130	0	0	0	0	0
131	0	1.85	0	0	3.37
132	0	0	0	0	0
133	0	0	0	0	0
134	0	0	0	3.66	0
135	0	0	1.92	0	0
136	0	0	0	0	0
137	0	0	0	0	0
138	0	0	0	0	0
139	0	0	0	0	1.12
140	0	0	0	2.44	0
141	0	0	0	0	0
142	0	0	0	0	0
143	0	1.85	0	0	0
144	0	0	0	0	0
145	0	0	0	0	0
146	0	0	0	0	0
147	0	0	0	1.22	0
148	0	0	0	0	0
149	0	0	0	3.66	1.12
150	0	0	0	2.44	0
151	0	1.85	0	0	0
152	0	0	0	0	0
153	0	0	0	0	0
154	0	0	0	0	0
155	0	0	0	0	0
156	0	0	0	0	0
157	0	0	0	0	0
158	0	0	0	0	0
159	0	0	0	0	0

Element	LS-101	LS-175	LS-108	LS-109	LS-28
160	0	0	0	0	0
161	0	0	0	0	0
162	0	0	0	0	0
163	18.60	12.96	7.69	17.07	8.99
164	0	0	0	0	0
165	0	0	0	0	0
166	0	0	0	0	0
167	0	3.70	0	2.44	0
168	0	0	0	0	0
169	0	0	3.85	0	2.75
170	0	0	0	0	0
171	0	0	0	0	0
172	0	0	0	0	0
173	0	0	0	0	0
174	6.97	3.70	5.77	21.95	0
175	0	0	0	0	1.12

Element	LS-29 (45)	LS-182 (133)	LS-27 (109)	LS-43 (89)
1	0	0	0	0
2	0	0.74	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0.74	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0.74	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0.92	0
23	0	0	0	0
24	0	1.50	0	0
25	0	0	0	0
26	0	0	0	0
27	0	0	0	0
28	0	0	0	0
29	4.44	0	5.50	4.49
30	0	0	4.58	0
31	8.89	0.74	0	0

Element	LS-29	LS-182	LS-27	LS-43
32	0	0	0	0
33	0	0	0	0
34	0	0	0	0
35	0	0	0	1.12
36	0	0	0	0
37	0	0	0	0
38	0	2.26	0	0
39	0	0	0	0
40	0	0	0	0
41	0	0.74	0	1.12
42	0	0	0	0
43	2.22	0.74	0	0
44	0	0	0	0
45	0	0	0	0
46	0	0.74	0	0
47	0	0	0	2.25
48	0	0	0	0
49	0	0	0	0
50	0	0	0	0
51	0	0.74	0	0
52	0	0	0	0
53	0	0	0	0
54	0	0	0	0
55	0	0	0	0
56	0	8.27	0	0
57	0	0	0	0
58	0	0	0	0
59	0	0	0	0
60	0	0	0	0
61	0	0	0	0
62	0	0	0	0
63	0	0	0	0

Element	LS-29	LS-182	LS-27	LS-43
64	0	0	0	0
65	0	0	0	0
66	0	0	0	0
67	0	0	0	0
68	0	0	0	0
69	0	0	0	0
70	0	9.77	0	0
71	0	0	0	0
72	4.44	0	0	0
73	6.67	27.06	6.42	0
74	0	0	0	0
75	0	0	0	0
76	0	0	0	0
77	0	0	0	0
78	0	0	0	0
79	0	0	0	0
80	0	0	0	0
81	0	0	0	0
82	0	0	0	0
83	0	0	0	0
84	0	0	0	0
85	0	0	0	0
86	0	0	0	0
87	0	0	0	0
88	4.44	0.74	2.75	8.99
89	0	0	0	0
90	0	0	0	0
91	0	0	0	0
92	0	0	0	0
93	0	0	0	0
94	0	0	5.50	0
95	4.44	4.51	3.67	0

Element	LS-29	LS-182	LS-27	LS-43
96	0	0	0	0
97	0	0	0.92	0
98	6.57	0	1.83	0
99	0	0	0	0
100	0	0	0	0
101	0	0	0	0
102	0	0	0	0
103	0	0	0	0
104	0	0	0	0
105	0	0	0	0
106	0	0	0	0
107	2.22	0	0	0
108	0	5.26	0	0
109	0	0	0	0
110	0	0	2.75	0
111	0	0	0	0
112	6.67	0	0	0
113	2.22	0.74	2.75	0
114	0	0	0	0
115	2.22	0	0	0
116	0	0	0	0
117	0	0	0	0
118	0	0	0	0
119	0	0	0	0
120	0	0	0	0
121	0	0	0	0
122	0	0	0	0
123	2.22	0	0	0
124	0	0	0	2.25
125	0	0	0	0
126	0	0	0	0

Element	LS-29	LS-182	LS-27	LS-43
127	0	0.74	0	0
128	0	0	0	0
129	0	0	0	0
130	0	0.74	0	0
131	0	0	0	0
132	0	0.74	0	0
133	0	0	0	0
134	0	0	1.83	6.74
135	0	0	0	0
136	0	0	0	0
137	0	0	0	0
138	0	0.74	0	0
139	0	0	0	0
140	0	0	1.83	1.12
141	0	0	0	0
142	0	0	0	0
143	0	0.74	4.58	11.24
144	0	0	0.92	0
145	0	0	0	0
146	0	0	0	0
147	0	0	0	0
148	0	0	0	0
149	6.67	4.51	1.83	0
150	0	2.26	0	0
151	0	0	0	0
152	0	0	0	0
153	0	0	0	0
154	0	0	0	0
155	0	0	0	0
156	0	0	0	0
157	0	0	0	0
158	0	0	0	0

Element	LS-29	LS-182	LS-27	LS-43
159	0	0	0	0
160	0	0	0	0
161	0	0	0	0
162	4.44	0	0	0
163	26.67	15.79	24.77	51.68
164	0	0	0	0
165	0	0	0	0
166	0	0	0	0
167	0	0	0.92	0
168	0	0	0	0
169	0	0	3.67	4.49
170	0	0	0	0
171	0	0	0	0
172	0	3.01	0	0
173	0	0	0	0
174	2.22	7.52	22.02	3.37
175	0	0	0	0

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

NOTE

The complete survey cards and surface collections of pottery and artifacts are on file in the department of anthropology, Chicago Natural History Museum, Chicago 5, Illinois.

For information of the field procedures and a statement on the area and its prehistory, see:

Martin, Paul S, Rinaldo, John B., and Longacre, W. A.

1961 Mineral Creek Site and Hooper Ranch Pueblo, Eastern Arizona. Fieldiana: Anthropology, Vol. 52. Chapter 5.

Sherd Counts are not listed for the sites for the microcard series; as in the past, pottery groups are used for rough chronological placement. For details, the interested reader is referred to the publication cited above, page 150.

CHICAGO NATURAL HISTORY MUSEUM
Archaeological Survey

Site numbers LS-171 through 175 are reserved for an unfinished surface survey being conducted by Mr. Wayne Brinherhoff, of Snowflake, Arizona.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-176

Location: Section 29 Twp. 12N Range 22E

Type: rectangular pueblo

General Setting: Located on top of a small hill. General cover is sparse juniper and grass. Site is approximately 6½ miles east of Taylor or south side of the road, about 1½ miles west of Military Swail Crossing.

Area: Taylor Drainage: Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 6 or 7 rooms

Pottery: IV

Artifacts: 1 basal fragment projectile point--triangular, slightly indented base.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-177

Location: Section 13 Twp. 13N Range 22E

Type: rectangular pueblo

General Setting: Rectangular pueblo, located on slight knoll above arroyo. It lies on section line, between Carter Ranch and Willis Ranch, ca. 3 miles south of county road on fence line between the two ranches. The fence is the " Carterville" fence, approximately 5 miles east of Snowflake.

Area: Carter Ranch Drainage: Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 4 or 5 rooms

Pottery: IV

Artifacts: 2 worked sherds, (1 Snowflake B/W Indeterm. B/W).

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-178

Location: Section 13 Twp. 14N Range 21E

Type: rectangular pueblo

General Setting: Rectangular pueblo, located on small knoll overlooking Silver Creek, 7 miles north of Snowflake (by highway 77) and ½ mile east of the highway overlooking river. Site is covered with grass and sand.

Area: Snowflake Drainage: Silver Creek

Water Supply: Silver Creek

No. of Rooms or Houses: 6 to 8 rooms

Pottery: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-179

Location: Section 26 Twp. 13N Range 24E

Type: Pre-pottery

General Setting: Pre-pottery campsite and workshop, located on a gentle slope between an arroyo and sandstone ridge (arroyo runs east-west). Extent of site ca. 50 yards long, over whole of slope. Artifacts and chippings litter site. Present cover is grass and sparse juniper. Area is quite sandy. It is due west of the White Rocks (ca. ½ mile) on the Leverton Ranch.

Area: Mesa Redonda Drainage: Little Colorado River (via washes)

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I,II

Artifacts: 1 pebble-type mano; 1 chopper, 1 turtle-back core; 1 scraper/chopper; 4 large ovoid scrapers, 6 medium ovoid scrapers; 1 small ovoid scraper; 1 side scraper; 1 flake knife; 2 punching or graving tools; 1 flake saw; 14 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-180

Location: Section 26 Twp. 13N Range 24E

Type: pueblo with plaza

General Setting: Site located on gentle slope between sandstone cliffs and arroyo, ca. 50 yards southwest of LS-179. The site lies about 20 yards north of the arroyo. There are 2 blocks of rooms, one square block and one "L" shaped one. Between the two is a rectangular plaza, east of the plaza is a rectangular structure, probably a kiva. Present cover is sparse grass and juniper.

Area: Mesa Redonda

Drainage: Little Colorado River via washes.

Water Supply: Arroyo

No. of Rooms or Houses: 12 to 15 rooms

Pottery: IV

Artifacts: 3 medium ovoid scrapers; 2 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-181

Location: Section 23 Twp. 13N Range 24E

Type: rock shelter and pictographs

General Setting: Small rock shelter formed by slight over-hang of sandstone; much water depostition and wind deposition. No pottery found, only typical pre-pottery tools. The shelter is on the east side of a valley, above a deep wash, ca. 1 mile north of the White Rocks. Pictographs are on a large slab of white sandstone, just north of the shelter.

Area: Mesa Redonda Drainage: Little Colorado River via washes.

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 2 scrapers/choppers; 1 large ovoid scraper; 1 medium ovoid scraper; 1 flake knife.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-182

Location: Section 26 Twp. 13N Range 24E

Type: rectangular pueblo

General Setting: Rectangular pueblo located on top a tall, steep knoll. The knoll is ca. 1 mile southwest of the White Rocks, on the north side of the ranch road that leads to the Rocks. Present cover is juniper and grasses and cacti. There is much pottery on the surface of the site. Arroyo is at base of knoll.

Area: Mesa Redonda Drainage: Little Colorado River via washes

Water Supply: Arroyo

No. of Rooms or Houses: Ca. 6 rooms

Pottery: IV,V

Artifacts: 1 scraper/chopper

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-183

Location: Section 26 Twp. 13N Range 24E

Type: Pre-pottery

General Setting: Pre-pottery campsite located on the top of a flat-topped ridge, one mile due north of the White Rocks east of the ranch house, Leverton Ranch. Present cover is grass and sparse juniper. An arroyo runs roughly east-west ca. ½ mile south of the ridge. Area is very sandy. Little surface material--may indicate a short-term camp.

Area: Mesa Redonda

Drainage: Little Colorado River via washes.

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 4 medium ovoid scrapers; 1 scraper/chopper; 1 flake saw; 4 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-184

Location: Section 26 Twp. 13N Range 24E

Type: rectangular pueblo

General Setting: Rectangular pueblo located on top of flat-topped ridge, ca. one mile due north of the White Rocks, east of the ranch house, Leverton Ranch. The site lies on the north side of the ridge, overlooking an arroyo at the base of the ridge (south of the site). Present cover is sparse grass and juniper--very sandy. The ruin is eastwest oriented--no kiva seen.

Area: Mesa Redonda Drainage: Little Colorado River via washes

Water Supply: Arroyo

No. of Rooms or Houses: ca. 10 rooms

Pottery: IV

Artifacts: 1 large ovoid scraper; 2 flake saws.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-185

Location: Section 26 Twp. 13N Range 24E

Type: "sherd area"

General Setting: Sherd area, probably a small rectangular pueblo, located approximately 75 yards east of LS-184. Sherd concentration noted on top of slight rise or knoll on top of the ridge, overlooking the arroyo (see card for LS-184). Pottery (see below) seems later than 184--probably small pueblo. No surface indication of architecture, however.

Area: Mesa Redonda Drainage: Little Colorado River via washes

Water Supply: Arroyo

No. of Rooms or Houses: ?

Pottery: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-186

Location: Twp. 13N Range 23E

Type: Pre-pottery pithouses

General Setting: Pre-ceramic pithouses (3 or 4) located on two knolls about 50 yards apart. The knolls are just below Point of the Mountain, perhaps 200 yards from its base. The site is approximately 1 mile southeast of the burned homestead on the Carter Ranch Road (chimmney standing)-- the two knolls are conspicuous in a flat plain. Basalt boulders litter the site. Houses are outlined with boulders.

Area: Carter Ranch

Drainage: Hay Hollow--
Silver Creek
Little Colorado River

Water Supply: ?

No. of Rooms or Houses: 3 or 4

Pottery: None

Artifacts: none found

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-187

Location: Twp. 12N Range 29E

Type: Folsom & Desert Culture
Pre-pottery

General Setting: Located on a low long ridge at the base of a sandstone mesa. Ridge runs north-south. Folsom occupation on north end of ridge; Concho Complex on south side. Cover is juniper and sparse grasses. Arroyos run on either side of the ridge; they join south of the ridge.

Area: St. Johns Drainage: Little Colorado River

No. of Rooms or Houses: none

Pottery: I

Artifacts: (report and photographs on file in the Department of Anthropology, CNHM).

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-188

Location: Twp. 13N Range 23E

Type: Non-contiguous pueblo

General Setting: Located on a small knoll just east of small arroyo, ca. 50 yards northwest of Hay Hollow Wash, 5 miles southeast of Carter Ranch. Site is one northwestern periphry of Concho Complex site. Two to five non-contiguous rectangular rooms. Cover is grass, cacti, and junipor. Area is quite sandy. Site is ca. 100 feet southwest of Carter Ranch Road.

Area: Carter Ranch

Drainage: Silver Creek
Little Colorado River

Water Supply: Arroyo

No. of Rooms or Houses: 2 to 5

Pottery: III.

Artifacts: 2 scrapers.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-189

Location: Section 33 Twp. 13N Range 23E

Type; Pre-pottery

General Setting: Small pre-pottery campsite located on the first "tier" or bench above the flat which runs to the base of the sandstone cliffs west of the Point of the Mountain mesa on the Carter Ranch. The tier is at the base of these sandstone cliffs; a small arroyo runs next to the site. The area is quite sandy, cover is sparse juniper and shrubs. Few implements found on surface.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

No. of Rooms or Houses: none

Pottery: I

Artifacts: 1 Projectile Point; 1 medium ovoid scraper; 2 small ovoid scrapers; 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-190

Location: Section 33 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite, located on top of sandstone outcrop, on several "tiers" or benches. The site is quite extensive covering about 2 acres. Present cover is sparse juniper and various shrubs; the area is quite sandy and rocky. A fence (running east and west) comes in through the site. Below (east) on flat area is an arroyo about 1 mile from the site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

No. of Rooms or Houses: none

Pottery: I

Artifacts: 6 utilized flakes; 2 flake knives; 4 large scraper/choppers; 5 choppers; 7 medium scrapers; 2 small scrapers (all ovoid).

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-191

Location: Section 34 Twp. 13N Range 23E

Type: "sherd area"

General Setting: Sherd area, located on the slope of a ridge on a " tier". The site is north of the Carter Ranch Ruin (LS-155) across road, across small arroyo--almost in the center of the loaf-shaped ridge. No sign of architecture (depressions etc.). Present cover is juniper and sparse grass. Rest of this ridge is barren of cultural material except for an occasional flint chip on the top.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: ?

Pottery: III,IV

Artifacts: 2 medium ovoid scrapers, 1 small ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-192

Location: Section 34 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite, located on a sandy flat next to a small arroyo. Present cover is sparse junipers and grass. Area littered with large basalt boulders. No pottery and no signs of architecture found. The site is roughly ½ acre in extent. The flat is at the base (west of) small ridge and knoll east of the Carter Ranch Ruin (LS-155).

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 8 medium ovoid scrapers, 8 small ovoid scrapers, 13 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-193

Location: Section 28 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite, located on the slope leading up to sandstone cliffs about ½ mile west of road leading to Carter Ranch Ruin (LS-155), 0.9 miles north on road of LS-155. Present cover is sparse juniper and grasses. The area is quite sandy. Artifacts are not plentiful on the site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: probable springs

No. of Rooms or Houses: none

Pottery: I

Artifacts: 1 projectile point fragment (base); 2 basal fragments of blades; 6 medium ovoid scrapers; 1 small ovoid scraper; 4 utilized flakes, 1 chopper.

CHICAGO NATURAL HISTORY NUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-194

Location: Section 33 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Small pre-pottery campsite located on small flat-topped knoll at the base of sandstone cliffs about 50 yards south of LS-193. The area is quite sandy; present cover is sparse juniper and grasses. Small arroyo next to site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 3 medium ovoid scrapers; 1 small ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-195

Location: Section 33 Twp. 13N Range 23E

Type: Pre-Pottery

General Setting: Small campsite or workshop (atlier) located on a flat area at the foot of white sandstone outcrop west of the road that leads into the Carter Ranch Ruin. Present covering is sparse juniper, shrubs, and grass. Much water-worn stone on the surface; much of it is flint. One sherd was found on the surface (Snowflake B/W) (not collected). Arroyo just below site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River Via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 1 chopper/scraper; 6 utilized flakes: 4 medium ovoid scrapers; 2 cores.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-196

Location: Section 32 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite socated on top of tier or "bench" of sandstone in sandstone area west of road into Carter Ranch Ruin. Area is very sandy. Present cover is juniper and shrubs. Many chips on the surface. Arroyo just below site. Site of small extent (ca. 10 square yards).

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

No. of Rooms or Houses: none

Pottery: I

Artifacts: 3 large ovoid scrapers; 3 medium ovoid scrapers; 1 core; 22 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-197

Location: Section 17 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite located on ridge down in the valley--directly across the road from LS-153. The ridge is close to the road. Just beyond the ridge is an arroyo. Present cover is sparse juniper, service berry, shrubs and grasses. Area of site is littered with flint chips.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 1 pebble-type mano; 1 hammer stone; 1 core; 2 small ovoid scrapers; 5 medium scrapers; 3 large ovoid scrapers; 37 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-198

Location: Section 17 Twp. 13N Range 23E

Type: one-room pueblo

General Setting: One-room pueblo located on south end of ridge upon which site LS-197 is located. Very little surface materials. Pueblo constructed with sandstone slabs and basalt boulders. Present cover is sparse juniper shrubs, and grasses. It is located just above an arroyo.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: one

Pottery: IV

Artifacts: 3 large ovoid scrapers; 3 medium scrapers (ovoid); 13 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-199

Location: Section 21 Twp. 13N Range 23E

Type: pithouses

General Setting: Pithouse site on top of a large knoll in the flat just west of the "homestead" on the Carter Ranch (also known as the Winter Ranch). Fifteen broken trough metates were found on the site. There is one rectangular, rock-outlined room on the south side of the knoll. Several pithouse depressions were noted on the crest of the knoll. There is an arroyo in the flat ca. 1/10 mile east of the knoll. Several pithouse depressions were located in the flat between the knoll and the arroyo. Present cover is sparse grass and a few shrubs. One pithouse located in the flat near the arroyo was excavated, summer 1962.

Area: Carter Ranch (Snowflake) Drainage: Silver Creek

Water Supply: arroyo

No. of Rooms or Houses: 1 room; 6 to 10 pithouses

Pottery: II, III.

Artifacts: 5 utilized flakes; 1 ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-200

Location: Section 29 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite located on flat east (30 feet at west end) of an arroyo. Present cover is sparse juniper, shrubs, and grasses. Area is very sandy; material has been uncovered by sind. Just 30 feet west of the road; 3.2 miles north of the Carter Ranch Site. Much flint on the surface.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: none

Pottery: I

Artifacts: 7 small ovoid scrapers; 7 medium ovoid scrapers; 9 large ovoid scrapers; 1 core; 39 utilized flakes; 1 projectile point.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-201

Location: Section 32 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite located among a jumble of huge sandstone boulders cut in a flat. Area is very sandy; sparse juniper cover. Arroyos cut in flat (½ to 1 mile away).

Area: Mesa Redonda (Leverton Ranch) Drainage: Little Colorado River (ultimately)

Water Supply: probable spring

No. of Rooms or Houses: none

Pottery: I

Artifacts: 1 chopper, 1 core; 2 small ovoid scrapers; 9 medium ovoid scrapers; 6 large ovoid scrapers (one good illustration); 15 utilized flakes; 1 projectile point (basal) fragment.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-202

Location: Section 33 Twp. 13N Range 23E

Type: Pithouse

General Setting: One pithouse--sherds concentrated in a depression about 30 feet across. Much flint--area is quite sandy. Present cover is sparse grass in the depresdion--sparse juniper in flat. Directly east of the Carter Ranch Ruin (ca. ½ to 3/4 miles). Several junks of burned adobe on surface with beam impressions. Probably a burned pithouse. Small arroyo near site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. or Rooms or Houses: 1 house

Pottery: III.IV

Artifacts: 2 small ovoid scrapers; 4 medium ovoid scrapers; 16 utilized flakes;

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,00) Site No. LS-203

Location: Section 21 Twp. 13N Range 23E

Type: Pithouse

General Setting: One pithouse (rock outlined) located on top a small knoll in a triangular flat area formed by the junction of two arroyos ca. one mile east of Point of the Mountain. Present cover is cacti and sparse grasses. Junipers in the arroyo. Little surface material (pottery and flint). Pithouse is ca. 20 feet in diameter and has sandstone slabs outlining it.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 1 house

Pottery: II

Artifacts: 1 small ovoid scraper; 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-204

Location: Section 21 Twp. 13N Range 23E

Type: Incipent Pueblo

General Setting: Several un-connected rectangular rooms located on the flat, across the arroyo (east) from LS-203. One room plainly visible on surface; it is rectangular (12 feet by 6 feet) basalt boulder outline. Present cover is sparse grass. Site lies ca. 60 yards east of LS-203.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 2 to 5 non-connected rooms

Pottery: IV

Artifacts: 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-205

Location: Section 21 Twp. 13N Range 23E

Type:Pre-pottery pithouses

General Setting: Pre-pottery pithouse site located on basalt boulder-littered ridge at base of Point of the Mountain Mesa. The ridge is ca. ½ mile north of LS-203, just south of a conspicuous knoll. At least three rock-outlined depressions (ca. 10 feet in diameter). Site overlooks an arroyo. Present cover is shrubs and sparse grass.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: Three

Pottery: I

Artifacts: 1 large ovoid scraper; 4 medium ovoid scrpaers; 4 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-206

Location: Section 17 Twp. 13N Range 23E

Type: Pithouse

General Setting: One pithouse located on a flat, 30 yards west of a double arroyo ca. ½ mile west of base of the Point of the Mountain Mesa. Present cover is sparse shrubs and grasses. Broken sandstone slabs and basalt boulders litter the site area. One definite pithouse depression is apparent from the surface. Little surface material (pottery and flint) noted. The site lies approximately 3/4 mile north of LS-203.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 1 house

Pottery: III, IV

Artifacts: 3 medium ovoid scrapers, 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-207

Location: Section 33 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo located on top a hill across arroyo (south) of Carter Ranch Ruin (75 to 100 yards). Present cover is sparse grass and shrubs. Pueblo has sandstone slabs as construction material. It is probably a small outlier of the Carter Ranch Ruin (farming settlement?).

Area: Carter Ranch (Snowflake) Drainage Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 4 or 5 rooms

Pottery: IV,V

Artifacts: 1 projectile point, 3 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-208

Location: Section 33 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo directly east (ca. 100 yards) of the Carter Ranch Ruin. Located on flat next to an arroyo. Present cover is sparse grass. Area is quite sandy. Much pottery on surface; large sherd collection taken.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 3 to 5 rooms

Pottery: IV,V

Artifacts: 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-209

Location: Section 33 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo, just north (20 yards) of LS-208. Located on a flat, near an arroyo. East of Carter RAnch Ruin (see card for LS-208). Sparse grass cover very sandy. Much surface material (pottery and flint).

Area: Carter RAnch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 2 or 3 rooms

Pottery: IV,V

Artifacts: 6 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-210

Location: Section 34 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo located on flat just northeast of a prominant ridge which lies due east of the Carter Ranch Ruin. This site is about ½ or 3/4 mile east of the Carter Ranch Ruin. A double arroyo runs just north of the site. Relatively little pottery was noted on the surface. Present cover is sparse grass and juniper. Sandstone slab metate (broken) was on the surface. Area is quite sandy.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 2 or 3 rooms

Pottery: IV

Artifacts: 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-211

Location: Section 27 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo located on a small knoll on flat. It is located due east of Carter Ranch Ruin, 1 to 1¼ miles away. The site is just west of the arroyo running at the base of the Point of the Mountain Mesa. Present cover is sparse grass and shrubs. The ruin has sandstone slab masonry. No kiva was noted.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 4 or 5 rooms

Pottery: IV

Artifacts: 5 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-212

Location: Section 4 Twp. 12N Range 23E

Type: Rectangular pueblo

General Setting: Rectangular pueblo, oriented north to south, on north end is a possible Kiva depression (25 feet by 12 feet). The site is located just south (ca. 50 yards) of homestead and tank on the Kittle Ranch, about ½ mile southeast of the Carter Ranch Ruin. A fence goes through the ruin. The site lies upon a small knoll. Hay Hollow wash is approximately 50 yards south of the ruin. Cover is sparse grass--very sandy.

Area: Kittle Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Hay Hollow Arroyo

No. of Rooms or Houses: 10 to 15 rooms

Pottery: III,IV

Artifacts: 3 utilized flakes: 1 end and side scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-213

Location: Section 4 Twp. 12N Range 23E

Type: Pithouses

General Setting: Pottery site, located on a small ridge approximately 100 yards southeast of LS-212. The ridge is next to (north of) Hay Hollow Arroyo. This is probably a pit house site, although no definite pithouse depressions were noted. The area is small--probably only one or two houses were present. Present cover is sparse grass, shrubs and one juniper on the ridge. Surface material concentrated on the east end of the ridge (ridge runs parallel to arroyo-east/west).

Area: Kittle Ranch-(Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Hay Hollow Arroyo

No. of Rooms or Houses: ? probably 2 pit houses.

Pottery: III,IV

Artifacts: 4 utilized flakes: 3 medium ovoid scrapers; 1 flake knife.

CHICAGO NATURAL HISOTRY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-214

Location: Section 4 Twp. 12N Range 23E

Type: Incipient pueblo

General Setting: Two or three disconnected square rooms on ridge, ca. 75 yards northeast of LS-213. Homestead and tank are about ¼ mile west of the site. The road (continuation of the Carter Ranch Ruin Road on to Kittle land) cuts the flat between two ridges (LS-213 and LS-214) approximately in half. Present cover is sparse grass. Hay Hollow wash ca. 100 yards south of the site. A few junipers in flake.

Area: Kittle Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Hay Hollow Arroyo

No. of Rooms or Houses: 2 or 3 rooms

Pottery: IV

Artifacts: 1 large ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-215

Location: Section 10 Twp. 12N Range 23E

Type: Pithouse

General Setting: Pithouse site on curve in road, ca. 75 yards east of LS-213. Site located on top a small knoll next to (north of) Hay Hollow Arroyo. The road curves around the knoll. No definite depressions noted, but from the space--probably 1 to 3 houses. Sandy area--present cover is sparse grass and juniper. Relatively little surface material.

Area: Kittle Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Hay Hollow Arroyo

No. of Rooms or Houses: 1 to 3 pithouses

Pottery: II

Artifacts: 4 utilized flakes; 1 medium ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:25,000) Site No. LS-216

Location: Section 20 Twp. 12N Range 24E

Type: Rectangular Pueblo

General Setting: Large rectangular pueblo located on top a low knoll which overlooks an arroyo to the south. The site is next to the Carter Ranch Site road, four miles south of the Carter Ranch site on Jake Kittle's Ranch. Present cover is grass, shrubs, and juniper.

Area: Kittle Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: arroyo

No. of Rooms or Houses: ca. 30 rooms

Pottery: IV

Artifacts: None

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-217

Location: Section 3 Twp. 12N Range 23E

Type: rectangular pueblo

General Setting: Small rectangular pueblo, 4 to 6 rooms, no Kiva, located on small, low knoll, right next to an arroyo (wash 15 feet east of site). It is located in large broad flat. The site is ca. 1 mile south of the large conical knoll or butte which is east of the Carter Ranch Ruin. Present cover is sparse grass. Area is very sandy. Sandstone slabs used in construction. Kittle property.

Area: Kittle Ranch (Snowflake) Drainage: Little Colorado River via Hay Hollow, via Silver Creek

Water Supply: wash

No. of Rooms or Houses: 4 to 6 rooms

Pottery: IV,V

Artifacts: 7 utilized flakes; 1 large flake cutting and punching tool; 1 small flake cutting and punching tool; 1 medium ovoid scraper; 1 flake knife/drill combination.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-218

Location: Section 15 Twp. 13N Range 23E

Type: Pottery site

General Setting: Three round surface rooms, basalt boulder walls, located on first tier below the top of the southwest slope at the north end of the Point of the Mountain Mesa. The rooms are set against large abasalt boulders of the talus on this tier. Rooms are ca. 8 feet in diameter. There is a running spring today at the site. Relatively little surface material. Present cover is sparse grass and juniper.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: spring

No. of Rooms or Houses: 3 rooms

Pottery: IV

Artifacts: 2 large ovoid scrapers.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-219

Location: Section 18 Twp. 13N Range 23E

Type: Pre-pottery

General Setting: Pre-pottery campsite, located on top of Point of the Mountain Mesa, approximately 300 yards from the north end of the mesa, approximately in the center of the mesa. The site is located on a slight slope. Present cover is sparse grass and a few junipers. Concentration of stone tools and chippings is about 250 to 300 square feet. Water supply unknown. Area is quite rocky.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: ?

No. of Rooms or Houses: none

Pottery: I

Artifacts: 6 flake knives; 1 small perforator; 3 large ovoid scrapers; 1 medium ovoid scraper; 3 small ovoid scrapers; 1 side scraper; 33 utilized flakes; 4 blade fragments; and 6 projectile point fragments.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-220

Location: Section 9 Twp. 13N Range 23E

General Setting: Pre-pottery pit-house site, located on top of Point of the Mountain Mesa, at the north end. Two rock-outlined depressions in the approximate center of the mesa end, about 150 yards from the end, houses are ca. 15 feet in diameter. Present cover is sparse grass and juniper. Area is littered with basalt boulders.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: ?

No. of Rooms or Houses: 2 pithouses

Pottery: I

Artifacts: 1 basal fragment of projectile point; 7 flake knives; 16 utilized flakes; 8 small ovoid scrapers; 7 medium ovoid scrapers; 1 large ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-221

Loacation: Section 21 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Small, one to three room pueblo, located on the east end of small ridge (running east/west) in a flat, ca. 50 yards northeast of large rectangular pueblo (LS-229), approximately 100 yards south of the base of Point of the Mountain Mesa--150 yards northwest of cattle tank--40 yards north of large arroyo. Present cover is sparse grass. Relatively little surface material. Sandstone slabs used in construction.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 1 to 3 rooms

Pottery: IV

Artifacts: 1 utilized flake; 1 medium ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-222

Location: Section 21 Twp. 13N Range 23E

General Setting: One room, "incipient pueblo." Basalt boulders and sandstone slabs used in construction, size is 6 feet by 6 feet. Almost no surface material. The site is due south of old homestead (burned--only chimmney standing) and correl at base of Point of the Mountain Mesa. Site is located on a ridge, ca. 3/4 mile south of the homestead. Small arroyo just north of the ridge. Present cover is sparse grass, juniper and barberry.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: one

Pottery: none found

Artifacts: 1 medium ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-223

Location: Section 20 Twp. 13N Range 23E

Type: Sherd Area

General Setting: Sherd Area located on flat--30 yards south of an arroyo. It is located ca. ½ way between the Carter Ranch Ruin Road and the old homestead (chimmney and correl). The sherd area is extensive--but with relatively little material for the size of the area. Present cover is sparse grass. No pithouse depressions were noted--but it is probably a pithouse site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: ?

Pottery: II

Artifacts: 4 utilized flakes; 2 small ovoid scrapers, 1 medium ovoid scraper; 1 large flake knive.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-224

Location: Section 21 Twp. 13N Range 23E

Type: Sherd Area

General Setting: Very extensive sherd area--sherds and implements extend along the east side of an arroyo running roughly north to south from the base of Point of the Mountain Mesa onto the flat just east of homestead (chimmney and correll). The artifacts extend from the talus of the mesa down slope for about 50 to 60 yards. No sign of architecture could be found. Material is restricted in area to swath ca. 75 feet in width. Area is quite sandy and littered with basalt boulders. Cover is sparse grass and juniper.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo and run-off from slope of mesa.

No. of Rooms or Houses: ?

Pottery: III,IV

Artifacts: 2 medium ovoid scrapers; 2 large ovoid scrapers; 4 side scrapers; 1 end scraper; 1 flake knife and drill; 1 flake saw; 1 projectile point.(notched); 4 medium flake cutting and graving tools; 1 large flake cutting and graving tool; 5 utilized flakes; 1 core (flint)---1 rectangular mano (2surfaces) on site.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-225

Location: Section 21 Twp. 13N Range 23E

Type: Sherd Area

General Setting: Sherd area located on top a knoll--50 to 60 yards due east of chimmney and correll at base of Point of the Mountain Mesa. No depressions or other signs of architecture noted. Knoll is approximately 100 yards north of an arroyo. Relatively little surface material. Present cover is sparse grass, shrubs, and juniper.

Area: Carter Ranch (Snowflake) Drainage Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: ?

Pottery: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-226

Location: Section 21 Twp. 13N Range 23E

Type: Sherd Area

General Setting: Sherd area located on a slope, ca. 200 yards south of base of Point of the Mountain Mesa--in line 50 yards east of chimmney and correl of old homestead. No sign of architecture of pithouse depressions. Sherds occur in small area--ca. 100 square feet. Present cover is sparse grass and juniper. The slope is in between two small arroyos.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyos

No. of Rooms or Houses: ?

Pottery: II

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-227

Location: Section 21 Twp. 13N Range 23E

Type: Sherd Area

General Setting: Plain ware sherd area, located on the flat just north of an arroyo. It is ca. 40 yards south of correl and chimmney (burned homestead) at base of Point of the Mountain Mesa. The site is on the first terrace above the flood plain of the arroyo. There is little surface material. The area of the site is small (200 to 300 square feet). No depressions or other evidences of architecture found. Present cover is sparse grass and cacti.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: ?

Pottery: II

Artifacts: 1 utilized flake.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-228

Location: Section 29 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Rectangular pueblo, ca. 10 to 15 rooms, oriented north/south with a circular depression (20 to 25 feet in diameter) at the north end of the ruin (probable Kiva). It is located on a small knoll, ca. 75 feet east of a large arroyo. This arroyo is the first large arroyo one crosses traveling west from the Carter Ranch Ruin (has sandstone bottom at crossing). The site is about 1 mile south of the road; ca. 2 or 3 miles south of the Point of the Mountain Mesa. Present cover is sparse grass.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 10 to 15 rooms---1 possible round Kiva (ca. 25 feet in diameter).

Pottery: IV

Artifacts: none

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-229

Location: Section 21 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Large rectangular pueblo, oriented north to south, ca. 25-30 rooms. Rectangular plaza or kiva on the east side of ruin. It is located on a knoll in flat, right below (south) the large wouthern tounge of the north end of Point of the Mountain Mesa. Ruin is about ½ way between base of Mesa and Carter Ranch Ruin Road--just 250 yards west of large cattle tank and feeder trough, 2½ miles west of Carter Ranch Ruin. Large arroyo ca. 30 yards south of site. Cover is sparse grass and cacti.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 25 to 30 rooms--rectangular kiva or plaza on east side.

Pottery: III,IV,V

Artifacts: 5 utilized flakes; 2 flake knives; 1 piece of worked sandstone (fragment of paint palatte?).

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-230

Location: Section 27 Twp. 13N Range 23E

Type: rectangular pueblo

General Setting: Three or four room rectangular pueblo located on a small knoll just north of an arroyo at foot of Point of the Mountain Mesa. Road goes through one edge of the ruin. The site is almost due north of the Carter Ranch Ruin (ca. 2 miles)- site is ca. 50 yards west of gate on the road. Carter Ranch Ruin Road is ca. 2 miles west of site. The site road turns off (north) of this road ca. 2½ miles from the Carter Ranch Ruin. Cover is sparse grass.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Snowflake.

Water Supply: Arroyo

No. of Rooms or Houses: 3 or 4 rooms

Pottery: IV

Artifacts: 3 utilized flakes; 1 medium ovoid scraper.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-231

Location: Section 21 Twp. 13N Range 23E

Type: Incipient pueblo

General Setting: Close, non-contiguous rooms located on slight rise ca. 250 yards south, south-west of old homestead (chimmney and correl) at base of the Point of the Mountain Mesa on Carter Ranch. The site is just south of an arroyo (arroyo is between site and homestead). Much surface material. Sparse grass cover. Large amount of worked stone on this site.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: Ca. 10 rooms

Pottery: III,IV

Artifacts: 2 small ovoid scrapers; 8 medium ovoid scrapers; 1 large ovoid scraper; 1 scraper/chopper; 1 flake saw; 1 flake knife; 8 utilized flakes.

CHICAGO NATURAL HISTORY MUSEUM

Archaeological Survey

Map: St. Johns Quad. (1:250,000) Site No. LS-232

Location: Section 21 Twp. 13N Range 23E

Type: pueblo

General Setting: One or possibly two room pueblo, on southwest top of a small knoll located just 50 feet south of an arroyo. It is ca. 1 mile south of the base of the Point of the Mountain Mesa, south of the Carter Ranch Ruin Road, about 3 miles west of Carter Ranch Ruin. This site is south (across the arroyo) from LS-200. Present cover is sparse grass and shrubs.

Area: Carter Ranch (Snowflake) Drainage: Little Colorado River via Silver Creek

Water Supply: Arroyo

No. of Rooms or Houses: 1 or 2 rooms

Pottery: II,IV,V

Artifacts: 7 utilized flakes; 3 small ovoid scrapers, 4 medium ovoid scrapers.