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**PHOTOGRAPHIC
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REPORT**

**SUMMARY OF SA-2 ACTIVITY
IN NORTH KOREA
FEBRUARY 1973 - JANUARY 1974**

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SUMMARY OF SA-2 ACTIVITY IN NORTH KOREA
FEBRUARY 1973 - MARCH 1974

ABSTRACT

1. This report contains information on activity pertaining to SA-2 missile facilities in North Korea. The report includes text, two location maps, six photographs, and three tables.

INTRODUCTION

2. During the reporting period, North Korea has continued to implement a program of expansion of its SA-2 missile force designed to achieve complete peripheral defensive coverage. Particular emphasis has been in the northern portions of the country. Significant developments observed on photography between February 1973 and March 1974 were the identification of eight new occupied SA-2 sites and one new SAM support facility (Figure 1), 11 new alternate SA-2 sites including the first hardened SAM site under construction in North Korea (Figure 2), and the first observation of dummy SA-2 sites and equipment in the country. By March 1974 the number of occupied SA-2 sites in North Korea had been increased to 42 and SAM support facilities had been increased to ten (Figure 1 and Table 1).

BASIC DESCRIPTION

Occupied SA-2 Sites

3. The eight new occupied SA-2 sites, which have the normal revetted six-position configuration, have virtually closed previous gaps in the peripheral defense along the southwestern portion of the Sino-Korean border and along the north-central and northeastern coastal regions of North Korea (Figures 1 and 3 and Table 1).

4. Of the 42 occupied SA-2 sites, four have been confirmed and 13 have tentatively been identified as being equipped with the F model FAN SONG radar (Table 1). All occupied SA-2 sites in North Korea have collocated or associated AAA defenses.

5. Fourteen dummy SA-2 sites with associated dummy equipment were observed in proximity to known occupied SAM sites. These dummy sites, consisting of three to six launch positions and ranging from one-fifth to one-half the size of a normal SA-2 site, were 1 to 6 nautical miles (nm) from occupied sites (Figures 4 and 5 and Table 1).

SAM Support Facilities

6. One new SAM support facility at Kusong was identified. This facility should greatly improve logistical support to existing SA-2 sites along the southwestern portion of the Sino-Korean border (Figure 1 and Table 1).

7. Construction of concrete-lined storage buildings has been completed or is nearing completion at nine of the SAM support facilities. No evidence of this type of storage building has been observed at Pyongyang SAM Support Facility.

Alternate SA-2 Sites

8. Eleven new alternate SA-2 sites,* consisting of three to six launch positions, have been identified within 10 nm of occupied sites. The majority of these alternate sites are characterized by partially revetted launch positions and an absence of an interconnecting road network. No SA-2 equipment has been observed at these sites (Figures 2, 6, and 7).

9. Sariwon SAM Site C10A-2, the first hardened SA-2 site observed in North Korea, was identified as to function in. The site is now in the final stages of construction and consists of six tunnel-served revetted launch positions and an elevator-served central guidance area (Figure 8). Possible rails, to facilitate movement of the launcher from the tunnels to the launch positions, have recently been observed at each of the launch positions. Although presently considered an alternate site because of its proximity to Sariwon SAM Site C10-2, this site, when complete, will probably replace the current occupied site as the primary SAM facility. No further evidence of site hardening has been observed in North Korea.

*During the period February 1968 to February 1973, 29 alternate SA-2 sites were identified in North Korea; however, all of these sites have either deteriorated, been overgrown, or been abandoned.

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Table 1. Occupied SA-2 Sites in North Korea
(Items keyed to Figure 1)

Item	Installation	Geographic Coordinates	Remarks
1	NAJIN A06-2	42-16-20N 130-21-35E	Newly identified Aug 73
2	CHONGJIN B05-2	41-55-10N 129-56-00E	--
3	CHONGJIN A22-2	41-41-50N 129-42-20E	--
4	HOEMUN-NI A14-2	41-25-31N 129-41-15E	Newly identified Aug 73; FAN SONG F identified Mar 74
5	MANPO-UP A07-2	41-11-30N 126-23-30E	Prob F model FAN SONG identified Apr 73
6	KANGGYE A09-2	40-58-18N 126-37-32E	--
7	CHUNGAM A26-2	40-36-00N 126-25-51E	Newly identified Jul 73; prob F model FAN SONG identified Oct 73
8	CHANGJIN-UP A 23-2	40-22-10N 127-14-08E	New occupied Dec 73
9	HWANGSUWON-NI A14-2	40-39-10N 128-12-50E	Newly identified Aug 73; poss F model FAN SONG identified Dec 73
10	SONGJIN A01-2	40-44-10N 129-12-20E	--
11	KUNSON A01-2	40-21-00N 128-39-50E	Prob F model FAN SONG identified Oct 73
12	SINPO A09-2	40-01-46N 128-13-30E	FAN SONG F identified May 73
13	NAMSAN-NI A10-2	40-25-03N 124-57-45E	--
14	NAMSAN-NI C14-2	40-12-55N 125-11-46E	Newly identified Aug 73
15	HUICHON A29-2	40-11-15N 126-10-45E	One dummy SA-2 site in proximity
16	SINUJU B13-2	39-59-31N 124-34-18E	Newly identified Sep 73
17	TAECHON A27-2	39-54-49N 125-24-08E	--
18	SINANJU A07-2	39-38-52N 125-46-20E	--
19	PUKCHANG-NI A05-2	39-38-35N 126-23-15E	Poss F model FAN SONG identified Dec 73
20	TOEJO-DONG A09-2	39-54-08N 127-47-45E	Newly identified Aug 73; poss F model FAN SONG identified Dec 73
21	HUNGNAM A25-2	39-48-30N 127-32-42E	--
22	HUNGNAM C22-2	39-29-07N 127-15-57E	Prob F model FAN SONG identified Dec 73
23	PYONGYANG C33-2	39-20-21N 125-31-09E	Prob F model FAN SONG identified Dec 73
24	PYONGYANG C05-2	39-15-54N 126-06-29E	--
25	WONSAN A10-2	39-08-31N 127-35-49E	Poss F model FAN SONG identified Dec 73; one dummy SA-2 site in proximity
26	PYONGYANG C29-2	39-07-41N 125-17-58E	--
27	PYONGYANG C26-2	38-56-26N 125-14-55E	FAN SONG F identified May 73; one dummy SA-2 site in proximity
28	NAMPO B30-2	38-48-37N 125-08-20E	--
29	PYONGYANG B23-2	38-47-56N 125-28-05E	--
30	PYONGYANG B17-2	38-45-34N 125-51-16E	Poss F model FAN SONG identified Dec 73; one dummy SA-2 site in proximity
31	PYONGYANG C12-2	38-53-29N 126-12-07E	One dummy SA-2 site in proximity
32	NAMPO C24-2	38-27-41N 124-59-29E	Three dummy SA-2 sites in proximity
33	SARIWON A21-2	38-22-30N 125-40-05E	Two dummy SA-2 sites in proximity
34	SARIWON C10-2	38-26-53N 126-13-55E	FAN SONG F identified Sep 73
35	SINGYE A30-2	38-30-32N 126-28-55E	--
36	HOEYANG A10-2	38-42-15N 127-38-39E	A 3-position site
37	TAETAN A01-2	38-08-50N 125-17-30E	Prob F model FAN SONG identified May 73; 2 dummy SA-2 sites in proximity
38	HAEMU A27-2	38-01-43N 125-30-53E	One dummy SA-2 site in proximity
39	NUCHON-NI A22-2	38-07-13N 126-10-33E	One dummy SA-2 site in proximity
40	PYONGSAN A14-2	38-17-20N 126-26-50E	FAN SONG F identified Nov 73
41	ANHYOP A28-2	38-20-55N 126-49-40E	A 4-position site; prob F model FAN SONG identified Jul 73
42	PYONGGANG A35-2	38-29-50N 127-15-15E	A 3-position site; poss F model FAN SONG identified Jul 73

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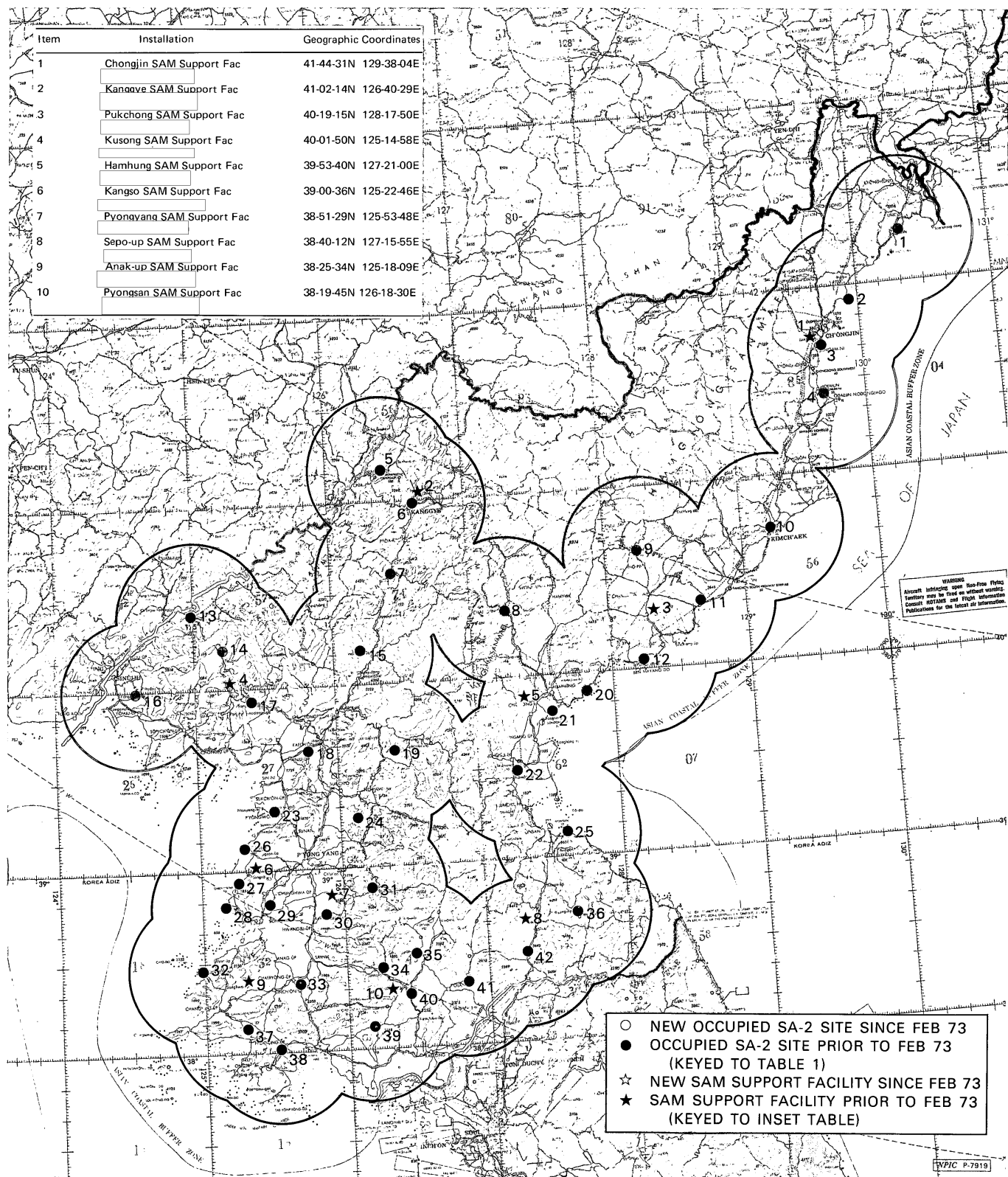
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FIGURE 1. OCCUPIED SA-2 SITES AND SAM SUPPORT FACILITIES IN NORTH KOREA

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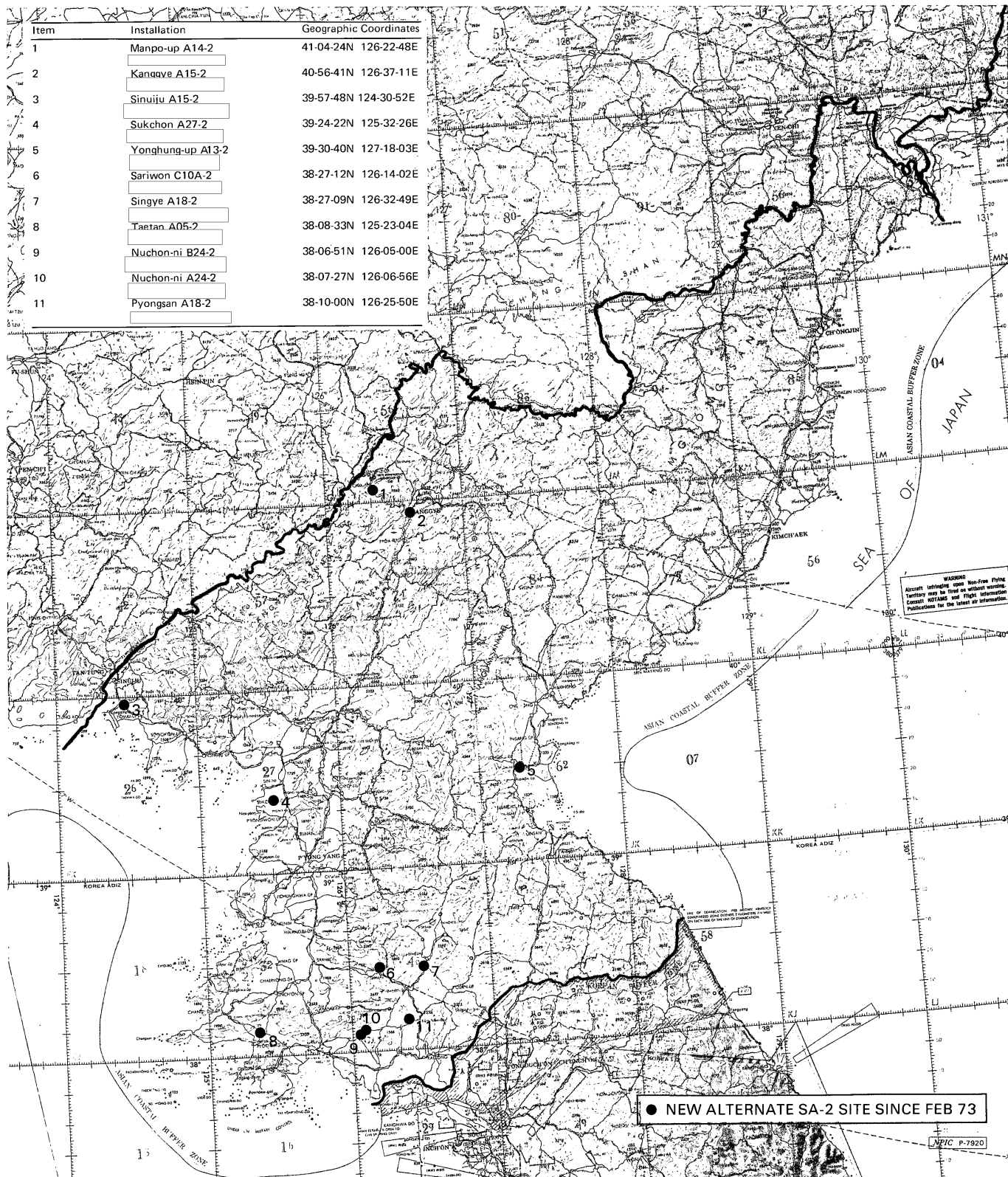
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FIGURE 2. ALTERNATE SA-2 SITES NEW SINCE FEBRUARY 1973

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