



CENTRAL INTELLIGENCE AGENCY

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OFFICE OF THE DIRECTOR

ON-FILE NSC RELEASE
INSTRUCTIONS APPLY

2 October 1972

MEMORANDUM FOR: Dr. Henry A. Kissinger
Special Assistant to the President
for National Security Affairs

SUBJECT : Key Facilities in the Hanoi Area

1. In connection with General Haig's recent request, I asked our Imagery Analysis Service (IAS) -- on a very close hold basis -- to survey sixteen selected key installations in the Hanoi area with the object of determining what "major civilian facilities" (e.g., hospitals and schools) were located in immediate proximity (defined arbitrarily as 200 yards for installations in the heart of metropolitan Hanoi and 500 yards for installations located in outlying areas).

2. Attached hereto is a table/spread-sheet (Attachment 1) and a set of photographs (Attachment 2) which present the findings of this survey. In forwarding this material to me, my IAS colleagues made the following comments.

"The selected installations and major facilities within the specified distances were analyzed on recent aerial photography. The aerial photography was used to identify the general function of the installations and nearby civilian facilities and government offices. In some cases we could identify the specific function of an installation or facility solely from aerial photography, i.e., radio communications stations, waterworks and electric power plant. We used collateral material

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including maps, ground photography and information reports to indicate a more specific function of some of the other installations and nearby facilities. It should be emphasized that it is impossible to determine or confirm the specific function or use of many of the installations and facilities from aerial photography.

"The attached table contains the information derived from collateral material and our analysis of the selected installations and nearby major facilities which is annotated on the attached photo enlargements (Figures 1 through 16)."

3. We did not even request a survey on one potentially lucrative target -- the Hanoi Television Antenna and Probable Transmitter Site at WJ883250 on Pho Quan Su Street -- because it is directly across the street from the Ha Lo Prison, where the bulk of U.S. POWs are believed to be held. We also did not call for a survey on National Police Headquarters (WJ88912490) because it is known to be located in a very heavily built up area.

4. Because of the need to mask the real purpose of this exercise, we did not request surveys on facilities such as the following.

- (a) Ministry of Foreign Trade (WJ89692465)
- (b) Ministry of Foreign Affairs (WJ87402595)
- (c) Ministry of Communications and Transport (WJ89692465)
- (d) Prime Minister's Residence (WJ87122652)
- (e) Residence Office of the President (WJ87122634)

The first three ((a) through (c)) are also in heavily built up areas. The last two (d) and (e) may merit some consideration. They obviously have symbolic value and, more to the point, both are sited in relative isolation in the middle of the botanical gardens.

5. Our sixteen site survey is submitted for your information and consideration, not as a package of target recommendations. Some of the information in this study, in fact, would argue against picking some of the surveyed installations. Lao Dong Party Headquarters, (WJ88252460), for example, is not only in a built up area but is within 100 yards of a hospital. The Government Communications Office is surrounded by the staff living quarters and embassies of Poland, Hungary and Czechoslovakia, with the embassy compound of the USSR nearby.



George A. Carver, Jr.
Special Assistant for Vietnamese Affairs

Attachments

No Objection to Declassification in Part 2012/11/05 : LOC-HAK-247-3-2-2

FIGURE	INSTALLATION	MAJOR FACILITIES IN VICINITY	PHOTO REFERENCES
1	Hanoi AM Transmitter, Me Tri WJ81952160 Function of installation confirmed by photography.	No major facilities within 500 yards of installation.	
2	Hanoi International Radio Communications Receiver, Son Dong WJ71872742 Function of installation confirmed by photography.	Within 500 yards of installation: a. Ngoai Thon Village Identified from map, confirmed by photography b. Unnamed village Identified from photography.	
3	Hanoi Radio Communications Transmitter Number 2, Ha Dong WJ83081908 Function of installation confirmed by photography.	Within 500 yards of installation: Yen Xa Village. Identified from map, confirmed by photography.	
4	Hanoi Radio Communications Receiver Number 3, Phu Coc WJ92600670 Function of installation confirmed by photography. UTM coordinates locate center of control area's north perimeter. Support area located 500 yards north of control area.	No major facilities within 500 yards of installations control area.	
5	Hanoi Radio Communications Station Number 11, Bac Mai WJ88242182 UTMs adjusted to locate center of installation Function of installation confirmed by photography.	Within 200 yards of installation: a. Educational Institute - identified on map of Hanoi. The facility appears on photography to be an institute containing administration, classroom buildings, quarters, and a messhall. b. Barracks/Quarters - identified on maps of Hanoi as People's University. Photography indicates that the part of this facility nearest the installation contains barracks/quarters, a classroom-type building and support buildings. The Bac Mai Hospital identified on maps of Hanoi is located within 250 yards of the installation. The facility appears to be a hospital on photography.	25X1 25X1

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FIGURE	INSTALLATION	MAJOR FACILITIES IN VICINITY	PHOTO REFERENCES
6	Lang Truoc Radio Communications Transmitter WJ90255055 UTMs adjusted to locate center of control area. Function of installation confirmed by photography.	Within 500 yards of installation: Trai Nui Village. Identified from map and confirmed by photography.	
7	Hanoi International Radio Communications Transmitter, Dai Mo WJ79492008 UTMs locate center of control area. Support area located 300 yards east-northeast of control area. Function of installation confirmed by photography.	No major facilities within 500 yards of control or support areas.	
8	Ministry of Defense WJ88002595 Identified on maps of Hanoi; photo signatures suggest administrative function for this building. Also, the building is located within a military area.	Within 200 yards of installation: Installation is located within a large military area (Citadel) which contains numerous administration buildings, barracks, quarters, and support buildings.	
9	Lao Dong Communist Party Headquarters WJ88252660 Identified on maps of Hanoi and on ground photography dated 1958 and 1961. Photo signatures suggest administrative function for this building.	Within 200 yards of installation: a. Quan Su Pagoda - identified on maps. Appears to be a religious shrine on photography. b. Embassy of Cuba - identified on maps. Photo signatures suggest an official residence. c. Government Buildings - identified on maps as Ministry of Public Security and/or Ministry of Water Conservation. Buildings in this area appear to have an administrative or governmental function. d. Economics College - Identified on maps. Photo signatures suggest possible institutional function. e. Open Air Theater - identified on maps. Photography confirms this function. f. Hospital - identified on maps. Photo signatures suggest probable institutional function. g. Overseas Chinese Hall - Identified on maps. Appears to be a residential or apartment building.	

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PHOTO REFERENCES

<p>10 Government Communications Office WJ87212591 This building is identified on maps of Hanoi. It appears to be a residence or office building on photography. We could not identify any antennas on this building. There are some antennas nearby. One rhombic antenna consisting of four masts is located at WJ87002595 near the Mot Cot Pagoda. A horizontal dipole antenna is also located here.</p>	<p>Within 200 yards of installation:</p> <ul style="list-style-type: none"> a. Ministry of Foreign Affairs - identified on maps of Hanoi. Appears to be a government administration building. b. Diplomatic Offices and Quarters - area identified on maps of Hanoi as containing the embassies and diplomatic quarters of Poland, Hungary, and Czechoslovakia. There appears to be residences and offices in this area on photography. c. Soviet Embassy Compound - identified on maps of Hanoi. The area appears to be an embassy compound on photography. d. Labor Office - identified on maps of Hanoi. It appears to be an office building on photography. e. Mot Cot Pagoda - identified on maps of Hanoi. The compound appears to be a religious shrine on photography.
<p>11 Hanoi Thermal Power Plant - Listed coordinates - WJ88162693. Actual UTM coordinate is WJ88062693 Identified on maps of Hanoi. Function of this facility confirmed by photography.</p>	<p>Within 200 yards of installation:</p> <ul style="list-style-type: none"> a. Possible Educational Institute - photo signatures suggest that this facility, which contains two large possible classroom buildings and a large courtyard, could serve this function. Although this facility is not identified in collateral, an educational institute is indicated on the maps in the area of the Hanoi waterworks (WJ88182698). However, there is no photo evidence of an educational facility at the map referenced location.
<p>12 Hanoi Radio Relay Terminal (Post, Telephone, and Telegraph Office) Listed coordinates - WJ89152505 The actual UTM coordinate is WJ89182500. The building is identified on maps of Hanoi and ground photos dated 1960. It appears to be a government office building on photography. However, no antennas were observed on this building.</p>	<p>Within 200 yards of installation:</p> <ul style="list-style-type: none"> a. Government Offices - identified on maps. Appear to be government offices on photography. b. Bank of Hanoi - identified on maps. Appears to be a public building on photography. c. National Bank - identified on maps. Appears to be a public or government building on photography. d. Former Governor General's Residence - identified on ground photos dated 1953 and 1956. Appears to be a government building on photography. e. Ministry of Interior - identified on maps. Ground photos dated 1962 identify this building as Former Governor General's Residence. Appears to be an administration or government building on photography.

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FIGURE	INSTALLATION	MAJOR FACILITIES IN VICINITY	PHOTO REFERENCES
12	Hanoi Radio Relay Terminal (Continued)	<ul style="list-style-type: none"> f. Hotel Thong Nhat - identified on maps. Appears to be a public building on photography. g. Bank - identified on maps. Appears to be a public building or administration building on photography. h. Ministry of Labor - identified on maps. Appears to be a possible office building on photography. i. Cinema - identified on maps. Appears to be a public building on photography. j. Hotel De La Pax - identified on maps. Appears to be a public building on photography. k. ICC Headquarters - identified on maps and on ground photo dated 1960. Appears to be a government or public building on photography. Six RVG-950A point-to-point radio communications antennas are visible on the roof of this building. l. Telephone Exchange - identified on maps. Appears to be a government or public building on photography. 	25X1
13	<p>Hanoi Senior Party School WJ82302689</p> <p>This installation contains at least five large multi-storied administration/classroom buildings, in addition to quarters. It has the appearance of a military institution on photography.</p>	<p>Within 500 yards of installation:</p> <ul style="list-style-type: none"> a. Possible Administration/Associated Housing Area - located adjacent to the installation, this area is possibly associated with the school. b. Hanoi Army Barracks West Mai Dich - It appears to be a military installation on photography. c. Hanoi Construction Materials Testing Institute - It appears to have an institutional function, possibly military related. 	
14	<p>Waterworks WJ87552482</p> <p>Function of this facility confirmed by photography. Installation completely surrounded by industrial, commercial and residential facilities.</p>	<p>Within 200 yards of installation:</p> <ul style="list-style-type: none"> a. Shin Tu Temple - identified on maps of Hanoi. Photo signature suggests a possible institutional function. 	

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FIGURE	INSTALLATION	MAJOR FACILITIES IN VICINITY	PHOTO REFERENCES
15	<p>Waterworks Listed coordinates - WJ88102703 Actual UTM coordinate - WJ88182698 Function of this facility confirmed by photography. Installation surrounded on three sides by industrial, commercial and residential facilities.</p>	<p>Within 200 yards of installation: a. Possible Educational Institute - see comments for Figure 11.</p>	
16	<p>Waterworks WJ90032308 Identified on Hanoi maps. Function confirmed by photography. Installation completely surrounded by industrial, commercial and residential facilities.</p>	<p>Within 200 yards of installation: a. Probable Elementary School - Area contains 3 classroom-type buildings and a probable play area. b. Possible Institution - contains numerous quarters and an administration/classroom building in a compound. c. Possible Educational Institute - contains two classroom-type buildings on either side of an open area. d. Quarters Areas - Four areas southeast, south and west of installation contain numerous quarters or buildings for housing. e. Apartments - contains several large apartment buildings. f. Pagoda - identified on Hanoi map. Appears on photography to be an administration building or for religious use.</p>	
17	<p>Hanoi Art School WJ85502580 TACTA map references this facility as a waterworks. There were no waterworks observed on photography at this location or in the immediate area.</p>	<p>Within 200 yards: a. Hanoi Art School - identified on most Hanoi maps. Contains a large administration/classroom building, a smaller classroom-type building and athletic fields in a compound. b. Reception Hall for Foreigners - identified on Hanoi map. Contains a large administration/residence building and several quarters/storage buildings in a compound. c. Pagodas - Three pagodas northeast and northwest of the Art School are identified on Hanoi maps. Each appears to serve a religious function on photography.</p>	

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