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Declass Review by NIMA/DOD

M/EB 6/64
6 January 1964
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MEMORANDUM FOR: Chief, Industrial Register, OCR

25X1A

ATTENTION: 

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)


SUBJECT: Photos of Commo Sites, area of Wajay, Cuba

REFERENCE: (a) Requirement OCR/8/63
(b) CIA/PID Project C 412-63

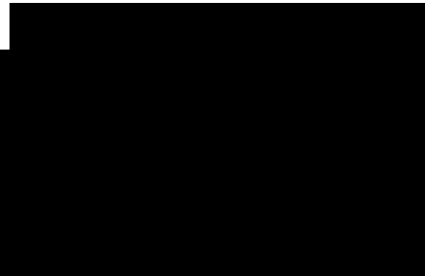
1. This memorandum is in response to your requirement dated 27 March 1963 requesting for retention, three annotated enlargements of the prescribed commo sites in the Havana area.

2. A short description of each installation is provided on the reverse side of each enlargement.

25X1A

3. The photo analyst on this project is  and he may be contacted on extension 2078 should you have any further questions concerning this project.

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4. This project is considered to be complete. 

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Enclosures:

1 - Three (3) annotated 8 x 10 enlargements (CIA/PID/MEB-P-13/64 thru P-15/64)

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GROUP 1
Excluded from automatic
downgrading and
declassification

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HAVANA COMMUNICATIONS STATION NPIC #586-86-EG
EXTRACT FROM - NPIC/R-1519/63

Table 4. Technical Data, Calabazar Receiving Station

Antenna		Axis		Leg Length ft m	Tilt L deg	Wave L est deg	Est WL per Leg Length	Azimuth/ Back Azimuth ¹ (°) (°)	Prob Correspondents ¹		Estimated Fundamental Frequency (Megacycles)
No	Type	Major ft m	Minor ft m						Forward Projection	Rear Projection	
1	Fish-bone	960	292						Moscow, USSR	Tegucigalpa, Honduras	14 optimum, 10-19 broadband
2	Fish-bone	960	292						Odessa, USSR	-	14 optimum, 10-19 broadband
3	Fish-bone	960	292						Odessa, USSR	-	14 optimum, 10-19 broadband
4	Fish-bone	960	292						Moscow, USSR	Tegucigalpa, Honduras	14 optimum, 10-19 broadband
5	Rhombic	955	292			325	160		Rio de Janeiro, Brazil	None (USA)	11.8
6	Rhombic	1,140	349	420	128	600	183		Barranquilla, Colombia; Asuncion, Paraguay	None (USA)	11.8
7	Rhombic	955	292	420	128	525	160		Bogota, Colombia	None (USA)	11.8
8	Rhombic	955	292	420	128	525	160		Panama City	None (USA)	11.8
9	Rhombic	955	292	420	128	525	160		Niamey, Niger (Africa)	Mexico City	11.8
10	Rhombic	955	292	420	128	525	160		Rio de Janeiro, Brazil	None (USA)	11.8
11	Rhombic	955	292	420	128	525	160		Bogota, Colombia	None (USA)	11.8
12	Rhombic	960	275			490	150		Odessa, USSR	-	15.3
13	Rhombic	955	292	420	128	525	160		Panama City	None (USA)	11.8
14	Rhombic	1,140	349	420	128	600	183		Bogota, Colombia	None (USA)	11.8
15	Rhombic	955	292	420	128	525	160		Odessa, USSR	-	11.8
16	Self-supporting lattice tower with yagi-type microwave antennas							Undetermined	NA	NA	NA

¹See Figure 10 for world map projection of azimuths to probable correspondents. *NPIC/R-1519/63, FIG 10*
²Pole spacing, front to back.
³Pole spacing, side to side.

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CIA/PID/MEB-P-13/64
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HAVANA COMMUNICATIONS STATION (CALABAZAR)

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23-01-00N 82-20-00W



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HAVANA AREA COMMO INSTALLATION

NPIC #586-911

The Havana Area Commo Installation consists of very tall steel lattice tower supported by numerous guy wires. The tower is located immediately adjacent to a rather large control building which is within a fenced area.

CIA/PID/MEB-P-14/64

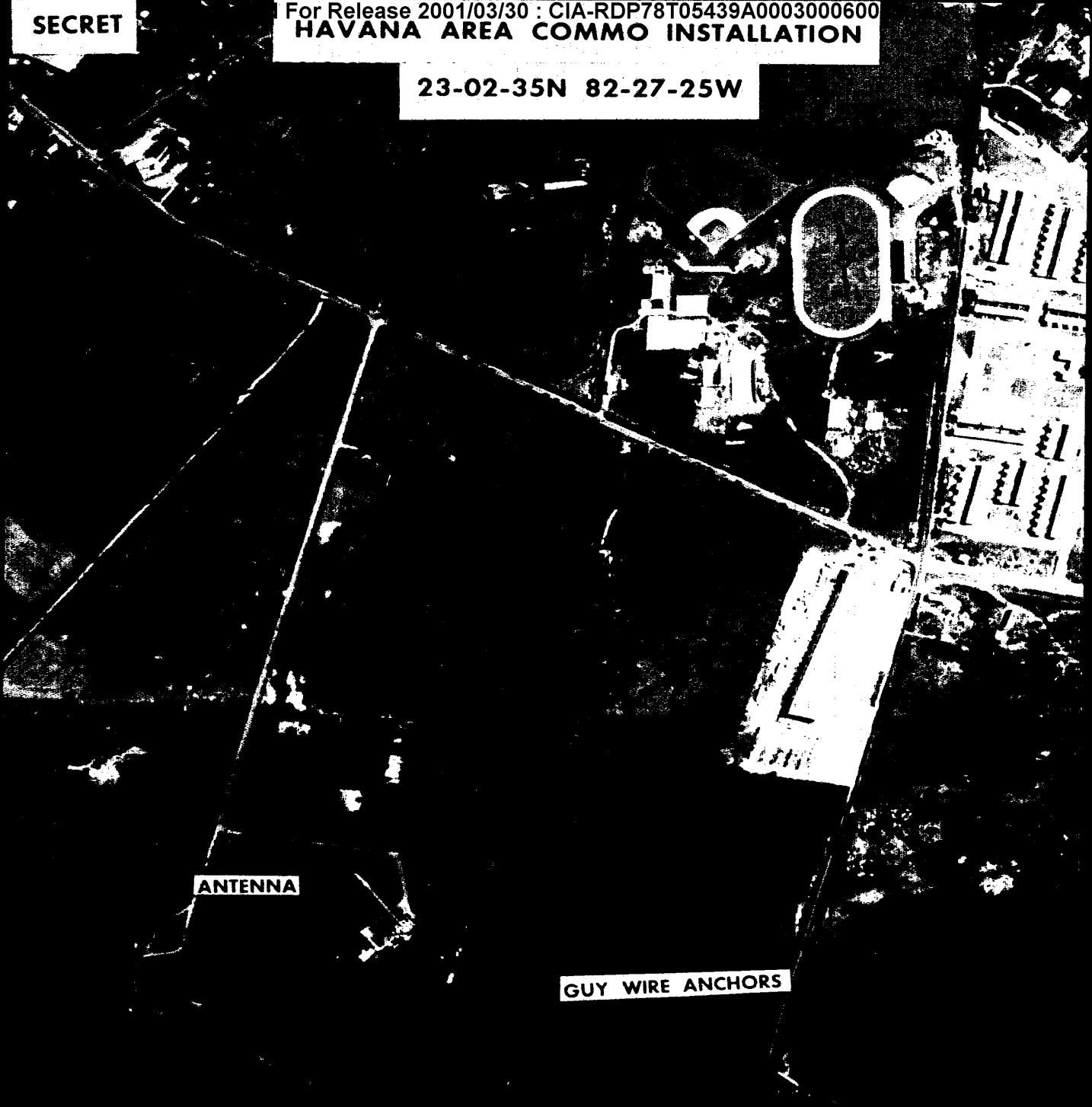
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HAVANA AREA COMMO INSTALLATION

23-02-35N 82-27-25W



ANTENNA

GUY WIRE ANCHORS

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HAVANA AREA COMMO CENTER

NPIC #586-86-A5

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The Havana Area Commo Center has been heavily camouflaged since shortly after it first appeared on photography. The electronics present prior to [REDACTED] 4 probable omni-directional wire cone antennas, 8 probable HF vertical radiators, one probable HF horizontal dipole, and at least 2 VHF antennas.

The number of truck-vans, vans, and trucks and vehicles varies from mission to mission.

There are 10 permanent structures in the area and the number of tents vary from time to time.

CIA/PID/MEB-P-15/64
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HAVANA AREA COMMO CENTER

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23-01-00N 82-25-45W

VAN TRUCKS

VAN TRUCKS

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