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5/62

MEMORANDUM FOR: Recipients of Interrogation Guide: Cuba (C-RR2 60251)

FROM: Chief, Intelligence Information Staff, ORR

SUBJECT: Revision of C-RR2 60251

1. When the Interrogation Guide: Cuba (C-RR2 60251) was published, recipients were advised that it would be updated periodically. Attached are current changes with revision date 5/62 (May 1962) marked in upper right hand corner of each change page.

2. The Watch List, pages iii and iv, is to be deleted and the new List inserted in its place.

3. The following changes are to be made as indicated:

<u>Delete</u>		<u>Insert</u>	
<u>Page No.(s)</u>	<u>Section</u>	<u>Page No.(s)</u>	<u>Section</u>
6	1000	6	1000
18	1000	18-18a	1000
27	2000	27-27c	1000
28	2000	28	2000
31	2000	31-31a	2000
32	2000	32-32m	2000
44	3000	44	3000
47	3000	47	3000
55	3000	55-55a	3000
62	3000	62	3000
64	3000	64	3000
65	3000	65-65a	3000
66	3000	66-66a	3000

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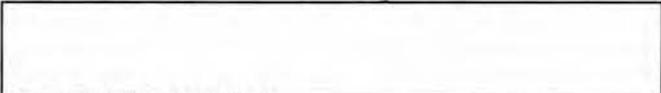
<u>Delete</u>		<u>Insert</u>	
<u>Page No.(s)</u>	<u>Section</u>	<u>Page No.(s)</u>	<u>Section</u>
82	4000	82	4000
115	5000	115	5000

4. The page listing the Annexes (Section 8000) is to be deleted and the new page listing Annex C inserted. Pages C-1 through C-13 are to be inserted after Annex B.

5. The airfield map in the front of the Guide includes only selected air facilities. Changes should be made on the map to indicate the recently constructed Santa Clara International airfield. The present dimensions are estimated to be 10,400 feet long; the paving is reportedly nearing completion.

Withheld under statutory authority of the Central Intelligence Agency Act of 1949 (50 U.S.C., section 403g)

For the Chief,  
Intelligence Information Staff



EDGAR A. BRADLEY  
Chief, Requirements Branch  
Office of Research and Reports

TABLE OF CONTENTS

	<u>Question Number</u>	<u>Page Number</u>
FOREWARD-----		i
WATCH LIST-----		iii
1000 <u>POLITICAL AND SOCIOLOGICAL</u>		
Political Dynamics-----	1001-1006	1
Political Policies and Objectives-----	1007-1009	2
Structure and Operation of Government-----	1010-1021	2
Communist Party Control--		
Organization-----	1022-1031	4
Political leaders-----	1032-1037	5
Prisons-----	1038-1043	6
Judiciary-----	1044-1050	6
Intelligence and Security Organizations		
Organization-----	1051-1069	7
Personnel-----	1070-1079	10
Training-----	1080-1086	11
Operational Activities-----	1087-1098	11
Soviet Intelligence Services in Cuba--	1099-1113	14
Sociological		
Population		
Population Movements-----	1114	16
Attitudes-----	1115	16
Ethnic Differences-----	1116	16
Reception of Foreigners-----	1117	17
Social Structure-----	1118	17
Religion-----	1119-1126	17
Education-----	1127-1132	18
University-----	1133	19
Secondary Schools-----	1134	20
Primary Schools-----	1135	20
Adult Education-----	1136	20
Trade Schools-----	1137	21
News Media-----	1138-1141	21
Psychological-----	1142-1146	21
2000 <u>MILITARY</u>		
General-----	2001-2035	23
Guided Missiles-----	2036-20399	27
Installations and Equipment-----	2040-2046	27c

	<u>Question Number</u>	<u>Page Number</u>
2000 <u>MILITARY</u> (Continued)		
Shipments of Bloc Arms-----	2047-2049	28
Planning-----	2050-2052	28
Security Organizations and Functions---	2053-2057	29
General Questions on Cuban Navy-----	2058-2080	29
Fishing Fleet-----	20801-20802	31
Maritime Activities-----	20803-20805	31a
Cryptologic Information and Material-----		32
Communications Cryptologic Activities--	2081	32
Cryptologic Equipment-----	2082-2083	32
Radio Agents-----	2084	32b
Intercept and Crypt Analysis (COMINT) Activities-----	2085-2087	32b
Communications Countermeasures Signals-	2088-2089	32b
Electronic Information and Material----	2090	32c
Non-Communicative Signals-----	2091-2094	32d
Cuban Air Force General-----		32e
Air Order of Battle and State of Readiness-----	2095	32e
Personnel-----	2096	32e
EW/GCI Radar Order of Battle-----	2097	32f
AAA Order of Battle-----	2098	32f
Organizational Training-----	2099	32f
Training-----	2100	32f
Key Air Force Personnel and Biographic Information-----	2101	32g
Logistics-----	2102	32g
Means of Identification-----	2103	32g
Electronics-----	2104	32g
Ammunition Storage-----	2105	32h
Highway Construction-----	2106	32h
Air Facilities-----	2107	32h
Medical Facilities-----		32i
Hospitals-----	2108-2124	32i
3000 <u>ECONOMIC</u>		
Economic Planning and Programs-----		33
National Planning-----	3001-3002	33
Economic Growth-----	3003-3006	34
Economic Control Structure-----	3007-3008	35
Domestic Finance-----	3009-3011	35
Foreign Trade-----		36

3000 ECONOMIC (Continued)

	<u>Question Number</u>	<u>Page Number</u>
Prices-----	3012-3014	37
Commodities-----	3015-3026	37
U.S. Trade Embargo-----	3027-3029	39
International Finance-----		40
Convertible Currencies-----	3030-3034	40
Nonconvertible Currency-----	3035	41
Arms Payments-----	3036-3039	41
Multilateral Payments Agreement-----	3040	42
Miscellaneous-----	3041-3045	43
Bloc Economic Aid-----		43
Industrilization-----	3046-3049	43
Specific Projects-----	3050	44
Soviet Bloc Technical Assistance-----	3051-3059	45
Industry-----		46
General-----	3060-3067	46
Industrial Sectors of Interest-----	3068	47
Manufacturing Industries-----	3069	47
Information Needed-----	3070-3093	48
Specific Information Needs on Key Indus- tries-----		51
Mining Industries-----	3094	51
Manufacturing Industries-----	3095-3098	51
Service Industries-----		52
Transportation-----	3099	52
National Level-----	3100-3110	52
Harbor Facilities-----	3111-3119	53
Port Security-----	3120-3125	54
Merchant Shipping-----	3126-3129	54
Civil Air-----	3130-31327	55a
Local Level-----		55a
Automobile-----	3133	55a
Railroad-----	3134	56
Trucking-----	3135	56
Busses-----	3136	57
Taxi Service-----	3137	57
Electric Power-----		58
Organization and Administration-----	3138-3140	58
Labor Force-----	3141	59

(1a)

3000 ECONOMIC (Continued)

	<u>Question Number</u>	<u>Page Number</u>
Production-----	3142-3146	59
Powerplants-----	3147-3153	59
Transmission-----	3154-3156	60
Consumption-----	3157-3158	60
Aid-----	3159-3162	61
Problems-----	3163-3165	61
Costs-----	3166-3169	61
National Level-----	3170-3179	62
Local Level-----	3180-3184	62
Telephone System-----		63
National Level-----	3185-3190	63
Local Level-----	3191-3201	64
Telegraph System-----	3202	65
Radio and Television-----		65
National Level-----	3203-32076	65
Local Level-----	3208-3214	66a
Agriculture-----		67
Agricultural Organization and Policies-----	3215-3217	67
Agricultural Production-----	3218-3263	67
Agricultural Input Factors-----	3264-3274	71
Procurement and Distribution of Agricultural Products-----	3275-3279	72
Miscellaneous-----	3280-3281	72
Outline of Key Topics for assessment of labor force-----	3282-3289	73
Questions for the development of information-----	3290-3301	74
Organized Labor-----	3302-3315	76
Worker morale-----	3316-3321	77
Consumer Welfare-----		79
General Direction of Living Standards-----	3322	79
Availability and Quality of Goods---	3323	79
Availability and Quality of Housing-	3324	79
Availability and Quality of Other Services-----	3325	79
Emphasis in Distribution of Goods and Services-----	3326	80
Regime Vulnerabilities in Consumer Welfare-----	3327	80
Extent of censorship in Cuba-----	3328	80

	<u>Question Number</u>	<u>Page Number</u>
3000 <u>ECONOMIC</u> (Continued)		
Procedures for persons to follow in order to leave Cuba-----	3329	80
Asylum-----	3330	81
4000 <u>GEOGRAPHIC</u>		
Physical Setting-----		82
Relief and Drainage-----	4001-4003	82
Water Supply-----	4004-4007	82
Vegetation-----	4008-4012	83
Wildlife-----	4013-4016	84
Climate-----	4017-4019	84
Travel-----		85
Rail-passenger-----	4020-4023	85
Rail-freight-----	4024-4030	87
Inter-urban Bus-----	4031-4035	87
Inter-urban Bicycle, horse, burro, pott-----	4041-4044	89
Water-----	4045-4054	89
Air-----	4055-4058	90
Urban Public Transportation-----	4059-4066	91
Automobile-----	4067-4071	92
Travel Controls-----		93
Special Regulations-----	4072-4082	93
<span style="border: 1px solid black; padding: 2px;">50X1, E.O.13526</span> -----	4083-4090	94
Sensitive Installations-----		95
General-----	4091-4092	95
Authorization to enter restricted areas-----	4093-4102	95
Movement within restricted areas---	4103-4109	96
Authorization to live in restricted areas-----	4110-4115	97
Authorization to leave a restricted area-----	4116-4121	97
Local Business Conditions-----		98
General-----	4122-4133	98
Business Controls-----	4134-4140	99
Foreign Business Community-----	4141-4143	99
Housing-----	4144-4148	99
Eating and Buying Food-----	4149-4150	102
Social Activities-----	4151-4171	104

	<u>Question Number</u>	<u>Page Number</u>
4000 <u>GEOGRAPHIC (Continued)</u>		
Employment-----	4172-4178	107
Postal Communications-----	4179-4194	108
Medical and Dental-----	4195-4201	110
Miscellaneous Personal Activities-----	4202-4220	111
Documentation-----	4221-4231	112
5000		
	50X1, E.O.13526	
	5001	115
	5002	115
6000 <u>DEBRIEFING AIDS</u>		
Map of Cuba-----	6001	116
Factory Markings Handbook-----	6002	116
Consumer Welfare Questionnaire-----	6003	116
Radio Broadcast Questionnaire-----	6004	116
Grid Sketch Map-----	6005	116
7000 <u>ILLUSTRATIONS</u>		
8000 <u>ANNEXES</u>		
Annex A-----		A-1
Annex B-----		B-1
Annex C-----		C-1

WATCH LIST  
(5/62)

This Watch List contains selected occupations, organizations and geographic area in which there is a continuing and high priority interest. This List will be revised in light of responsive reporting and changing information needs. Headquarters should be notified promptly when sources knowledgeable on Watch List items become available so that detailed requirements can be provided for exploitation in depth.

1. Military Officers;
2. Industrial plant managers and foremen;
3. Technicians including communications specialists;
4. Harbor pilots and port captains;
5. Employees from:

ORI (Integrated Revolutionary Organization)	Ministerio de Economia (Ministry of the Economy)
JUCEPLAN (Central Committee for Planning) under which also: Direccion de Estadisticas Directorate of Statistics)	Ministerio de Comercio del Exterior (Ministry of Foreign Trade)
CTC-R (Revolutionary Cuban Workers' Central)	Ministerio de Comercio del Interior (Ministry of Internal Trade)
JUCEI (Councils for Coordination, Executive and Inspection)	Ministerio de Comunicaciones (Ministry of Communications)
INRA - Instituto Nacional de Reforma Agraria (National Institute for Agrarian Reform) under which also:	<u>Red Oficial de Comunicaciones por Microondas (ROCOMI)</u>
ANGP - Administracion Nacional de Granjas del Pueblo (National Administration of People's Farms)	Ministerio de Industrias (Ministry of Industry) under which also:
AGCC - Administracion General de las Coopera- tivas Caneras (General Administration of Cane Cooperatives)	ICP - Instituto Cubano de Petroleo (Cuban Petroleum Institute)
ANAP - Asociacion Nacional de Agricultores Pequenos (National Association of Small Farmers)	ICM - Instituto Cubano de Mineria (Cuban Mineral Institute)

WATCH LIST (Continued)

Empresa Consolidada de la Goma  
(Consolidated Enterprise for Rubber)

Empresa Consolidada de Minas  
(Consolidated Enterprise for  
Mining)

Empresa Consolidada de la  
Electricidad (Consolidated Enter-  
prise for Electric Power)

Ministerio de Transporte  
(Ministry of Transport) under  
which also:

Empresa Consolidada de  
Navegacion (Consolidated  
Enterprise for Merchant  
Shipping)

Empresa Consolidada de Cubana  
de Aviacion (Consolidated  
Enterprise for Civil Aviation -  
Cubana)

Moa Bay and Nicaro Nickel Plants

Banco Nacional (National Bank)

6. Former residents from:  
General area of Pinar del Rio and Vinales.  
General area of Cienfuegos and Trinidad.

1000 POLITICAL AND SOCIOLOGICAL (Continued)

Political Leaders (Continued)

1037 Does source know any officials of the Communist Party; local government? What is his evaluation of them? What influences do their wives or close relatives have upon them?

Prisons

1038 Where are prisons located?

1039 Is there any separation in the prisons between criminals or political prisoners?

1040 What is the political supervision of the guards and prison officials? Whom, among the guards or officials would be susceptible to bribery?

1041 What are visiting hours and regulations for political prisoners? For criminals?

1042 Who are the outstanding prisoners that source knows of?

1043 Whom does source suspect to be innocent political prisoners?

Judiciary

1044 What does source know of the civil judiciary?

1045 Who are the judges, prosecutors, defense attorneys?

1046 Whom are they seen with professionally and whom are they seen with privately?

1047 How susceptible is this group to bribery? What are the controls over them?

1048 Can source name any judges he thinks are untainted by the Communist touch? Any attorneys?

1049 Is there any indication that the judiciary disagrees with the regime?

1050 To what extent is the civil judiciary influenced in civil and criminal cases by the Communist bosses?

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1000 POLITICAL AND SOCIOLOGICAL (Continued)

Sociological (Continued)

Religion (Continued)

1126 Do the religious of the main city have contact with religious in other areas of the island?

Education

1127 Report information about policies and activities of the Castro regime regarding the educational system and how it is affected by the regime. Report on the following:

- a. Any details concerning the literacy program regarding instruction, instructors, time and place of meetings;
- b. To what extent is there any real change in literacy?
- c. Has Castro's educational program done more than teach people to write their names?
- d. How many Cubans have been forced to participate in the literacy program?
- e. How many volunteered to take the literacy courses?
- f. Is it a continuing program?
- g. Were all Cubans participating in the literacy courses indoctrinated in Communist ideology? If so was the indoctrination Soviet slanted or Chinese?

1128 Does source know of any new scientific or technical colleges or universities that have been or are being set up? What are their specialities? Describe; give date of observation and locations.

1129 Who are the major school administrators and teachers? Give a complete estimate of each as to:

- a. Intellect
- b. Political leanings - pro or anti-Castro
- c. Influence on students

1000 POLITICAL AND SOCIOLOGICAL (Continued)

Education (Continued)

d. Associations and persons who control each

e. Outside activities

1130 Where do the school administrators and teachers live?  
To whom are they related?

1131 How is Communist policy interjected into the educational  
system?

1132 What students have been sent to the Sino-Soviet Bloc  
countries for technical training?

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2000 MILITARY (Continued)

General (Continued)

2035 Transportation and communication facilities serving military areas: any new construction? Type and status. (See also Section 3000, paras 3099-3137).

Guided Missiles

2036 There have been many rumors and low grade reports of missile activity in Cuba. In view of present and potential conditions in Cuba, there is a continuing requirement for information or indications of plans to procure missiles or of military assistance agreements between the Soviet Bloc and Cuba for supplying short range, intermediate range or air-to-surface missiles.

2037 Does source know of any new or unusual laboratories, plants, or restricted field sites, such as missile test or launch facilities? If under construction, how far has work gone? Describe: give date, locations, quantities, and originating country.

2038 Any construction of missile sites, evidence of mobile missile launchers, evidence of ships or boats equipped for missile launching, or characteristics and combat readiness of missiles would be of priority interest.

2039 Any training of Cuban military forces in handling missiles? Any information on presence of Bloc missile experts.

20391 Improvements or additions to the transportation facilities, particularly in remote areas.

- a. Repairs to rail bed to provide more shockfree ride.
- b. Reinforcing or replacing of existing rail or highway bridges.
- c. Construction of new rail lines or spurs.
- d. Paving, widening, and elimination of sharp curves on existing highways.
- e. Construction of new highways.
- f. Addition of new railroad stations.

2000 MILITARY (Continued)

Guided Missiles (Continued)

- g. Elimination of stops on rail routes.
- h. Extension of cargo plane and helicopter service into new areas.
- i. Additions or elimination of stops on inland waterways.

20392 Reports of special types of transportation equipment and cargoes.

- a. Oversize railroad cars (box or flat), road transporters, or special barges designed for handling large bulky objects.
- b. Large, bulky, one-piece cargoes, either enclosed in crates or covered with canvas.
- c. Priority handling of trains or highway convoys.
- d. Special cars for transporting dangerous liquids, cryogenic liquids, gas under high pressure.
- e. Special measures taken to protect cargoes from effects of inclement weather, shock, or observation.

20393 Security measures.

- a. Restriction of areas, closing off of access roads, restriction of population movement within the area.
- b. Special security measures on trains and highway convoys.
- c. Deployment of security troops.
- d. Deviations in flights of civil aircraft.

20394 Surveying activities. .

- a. Extension of triangulation network (first order).
- b. Gravimetric surveys.
- c. Electronic surveys (HIRAN, radar trilateration, etc.).

2000 MILITARY (Continued)

Guided Missiles (Continued)

20395 Population movements.

- a. Evacuation of civilian population.
- b. Creation of new settlements having unusually large numbers of skilled workers.
- c. Movement of military personnel into new areas.

20396 Construction Activities.

- a. Forest clearing, when not associated with the lumbering industry.
- b. Land grading (for unidentified purposes).
- c. Earth-moving and excavation.
- d. Erection of large steel and concrete structures.
- e. Construction of new military housing in remote areas.
- f. Transportation and assembly of large quantities of construction materials and equipment.
- g. Construction of underground installations.
- h. Visits to construction projects by VIP's.

20397 Communication facilities.

- a. Extension of land lines (telephone and telegraph) particularly in remote areas.
- b. Extension of radio facilities (including microwave).

20398 Power facilities.

- a. Construction of new, relatively small power plants in isolated areas.
- b. Use of mobile power plants.
- c. Extension of power lines into remote areas.

2000 MILITARY (Continued)

Guided Missiles (Continued)

- 20399 Commodities, tools, and equipment.
- a. Installation of new, high-precision machine tools.
  - b. Installation of large, semi-automatic or fully automatic welding equipment.
  - c. Consumption of large quantities of stainless steel and aluminum sheet.
  - d. Consumption of copper, K-monel, magnesium alloys, chrome, molybdenum, and titanium.
  - e. Consumption of large quantities of electric cable and thin-wall tubing.
  - f. Receipt, storage, and use of dangerous liquids, cryogenic liquids, and high pressure gases.
  - g. Production of miniaturized computers, gyros, and accelerometers.

Installations and Equipment

2040 Description of any new naval, army, or air bases, or any unusual weapons or military equipment that may have been supplied by the Sino-Soviet Bloc. Date of observation, locations, quantities, and originating country. Detailed description and/or sketch of equipment, indicating e.g., approximate dimensions, estimated caliber of weapons, number of wheels per vehicle, size and shape of antennas, etc.

2041 Descriptions of any unusual aircraft, ships, or vehicle seen or reported. Date of information, locations, quantities, and originating countries.

2042 Descriptions of any new or unusual instruments that may have come from the Sino-Soviet Bloc. Date of information, quantities, and originating country.

2043 Detailed information regarding location, staffing mission, and operations of local investigative officers, formerly G-2 MINAR, with particular emphasis on identification of the organizations to which the Office belongs at present.

2000 MILITARY (Continued)

Installations and Equipment (Continued)

2044 Information on any schools utilized in the training of Cuban or foreign intelligence and security personnel, including descriptions of staff and curriculum.

2045 Information on use of technical methods of operations (e.g., sound equipment, polygraph examinations, codes and ciphers) by Cuban intelligence and security organizations, including military intelligence organizations.

2046 Information on military medical facilities, resources, and public support facilities. (See also paras 2108 through 2124).

Shipments of Bloc Arms

2047 The status, direction, and nature of Soviet Bloc arms shipments is a major intelligence problem. Detailed information will help to determine the strength or weakness of the military establishment of Cuba and its readiness to initiate hostilities or engage in paramilitary activities. This information also will assist in establishing the magnitude of the Bloc effort to provide specific types of military equipment to non-Bloc countries.

2048 All possible information on deck cargo is desired, including the number and size of items on deck, with as complete a description as possible (See illustrations).

2049 Name of ship. Date and port of arrival. Any indication of size of shipment (e.g., length of time for unloading, number of stevedores employed in unloading, number and size of convoys seen leaving port area, equipment dumps on or near the pier after unloading). Description of any item of material observed being off loaded, stored on pier, or being transported from the port area.

Planning

2050 Defense mobilization plans, e.g., against an invasion. Plans to arm civilians, for example.

2051 Any evidence of defense build-ups around possible invasion sites.

2052 Any indications of targeting against marshalling areas in the U.S. or elsewhere in the Western Hemisphere.

2000 MILITARY (Continued)

General Questions on Cuban Navy (Continued)

- d. Dry provisions
- e. Fresh provisions
- f. General stores
- g. Clothing
- h. Medicinal stores

2073 List potential or critical shortages which may affect logistic levels.

2074 What are the quantities of POL stocks on hand or available on reporting date? List designators of various types of POL products.

2075 What is the Cuban Naval intelligence organization ashore and afloat? Describe.

2076 What is the relation of naval intelligence to the other Cuban intelligence activities? Describe.

2077 Is there a training school for naval intelligence personnel? Describe.

2078 To what extent are bloc personnel engaged in intelligence activities? Training?

2079 What counterintelligence practices are utilized by the navy? Discuss.

2080 What are the operational frequencies for Navy communications?

Fishing Fleet

20801 What is the military potential - availability and adaptability for military use; troop and cargo capabilities?

20802 Plans for utilization of fleet during emergency or wartime.

2000 MILITARY (Continued)

Maritime Activities

- 20803 Status and operations of Cuban merchant vessels.
- 20804 Patterns of Cuban merchant ships cabotage operations.
- 20805 Locations of fishing areas and operating patterns of fishing fleets.

2000 MILITARY (Continued)

Cryptologic Information and Material

Communications/Cryptologic Activities

2081 Detailed data concerning the type and purpose of communications, technique of transmission and reception, associated security devices and communications regulations and procedures utilized by foreign Armed Forces, Secret Police, and civil or state agencies at any echelon. The required data includes:

- a. Precise location, organization, training, subordination, associated personality lists, and other pertinent order of battle data.
- b. Mission to include, communications procedures and regulations involving cryptologic activities, call signs, frequencies, schedules, authentication systems, signal operating instructions and signal operating procedures.
- c. Technical data providing identifying descriptions and operating characteristics of communications and enciphering/deciphering equipment used in transmitting and receiving encrypted traffic.
- d. Relationship and influence with respect to communications matters, technically and operationally, of the USSR (or other foreign nations) on the Ministry of Defense, Armed Forces and civil or state communications and electronic establishments of Soviet Bloc (or other foreign) countries.
- e. Original or copies of communications traffic and message processing tapes, enciphered or plain text.

Cryptologic Equipment

2082 Detailed technical data concerning all enciphering and deciphering devices to include:

- a. Physical description, actual use, operating theory, procedures and characteristics.

2000 MILITARY (Continued)

Cryptologic Equipment (Continued)

- b. Maintenance procedures, techniques, problems.
- c. Identification and precise location of users.
- d. Research and development on improved or new devices.
- e. Production, sales and shipping data, military supply channels and procedures.
- f. Location and organization of laboratories, production, supply, maintenance and distribution facilities.
- g. Personality lists and data on/or from individuals concerned with any of the above.
- h. Distinctive nomenclature, slang expressions, nicknames, procedural language, double talk, associated with any of the above.

2083 Detailed technical data concerning codes and ciphers to include:

- a. Description and explanation of types and composition of code and cipher system.
- b. How created and by whom (individuals and organizations).
- c. Methods, circumstances, and purpose of use.
- d. From who received and distribution channels.
- e. Identification (personality lists and data) of holders of codes and ciphers or of individuals concerned with any of the above.
- f. Originals, photographs and/or memory sketches of keys,

2000 MILITARY (Continued)

Cryptologic Equipment (Continued)

charts, codes, ciphers, pad pages, encrypted and plain text messages, authentication systems, logs, instruction manuals or other cryptologic guidance.

Radio Agents

2084 Agent schedules; transmission and receiving frequencies; copies of incoming and outgoing traffic; operational procedures and techniques; details as to the code/communications training of agents; modus operandi associated with agent communications procedures and controlling personnel; originals, photographs or memory sketches of pad pages, keys, codes, ciphers, etc.

Intercept and Crypt-Analysis (COMINT) Activities

2085 Detailed data to include precise location, organization, training, associated personality lists, subordination and other pertinent order of battle data.

2086 Mission to include, type, echelon and identification of U.S. and other national communications on which foreign nations concentrate; scope of intercept coverage; techniques of intercept operations, crypto-analytical techniques and methods; successes achieved; types and distribution of reports produced.

2087 Technical and performance data providing identifying descriptions and operating characteristics, capabilities and methods of use of intercept, direction finding, special identification techniques, and intercept processing equipment; traffic analysis, and cryptanalysis.

Communications Countermeasures Signals

2088 General: Data concerning the type and purpose of communications signals, means of transmission and associated operational procedures, employed to reduce the effectiveness of U.S. or allied communications equipment and activity.

2000 MILITARY (Continued)

Communications Countermeasures Signals (Continued)

2089 Specific: Detailed data related to the above to include:

a. Precise location, organization, subordination, training, associated personality lists, and other pertinent order of battle.

b. Mission to include identification of U.S. or other national communications equipment, activity or organization on which foreign countermeasure action is concentrated.

c. Scope of capability, successes achieved, techniques employed.

d. Technical data providing identifying descriptions, and operating characteristics of equipment utilized.

e. Relationship and influence of the USSR (or other foreign governments) on countermeasure operations, and policies.

Electronic Information and Material

2090 Non-communicative Signal Intercept and Analysis (ELINT) Activities.

a. Detailed data to include precise location, organization, training, associated personality lists, subordination and other pertinent order of battle.

b. Mission to include type, echelon and identification of U.S. and other national non-communications signals on which foreign nations concentrate, scope of intercept coverage; techniques of intercept operation; analytical techniques and methods; successes achieved; types and distribution of reports produced.

c. Technical and performance data providing identifying descriptions and operating characteristics, capabilities and methods of use of intercept, direction finding and intercept analytical equipment

2000 MILITARY (Continued)

Electronic Information and Material (Continued)

and electronic jamming and deception activities.

Non-communicative Signals

2091 General: Data concerning the type and purpose of non-communications signals, means of transmission and reception, associated security devices and procedures, to include:

- a. Radars - offensive, defensive and passive.
- b. Weapon detonator systems, e.g., VT fuses.
- c. Guidance and control systems.
- d. Electronic counter and counter-countermeasures systems.

2092 Specific: Detailed data related to 2091a above to include:

- a. Precise location, organization, subordination, training, associated personality lists, and other pertinent order of battle.
- b. Mission: Operating procedures and regulations.
- c. Technical data providing identifying descriptions and operating characteristics of equipment utilized for non-communications purposes, 2091a above.
- d. Parameters of signals omitted from non-communicative equipment 2091a above.
- e. Relationship and influence of the USSR (or other foreign governments) on non-communicative signal systems, technically and operationally, of the Ministry of Defense, Armed Forces, and civil or state establishments of Sino Soviet Bloc (or other foreign) countries.

2000 MILITARY (Continued)

Non-communications Countermeasures Signals

2093 General: Data concerning the type and purpose of non-communications signals, means of transmission and associated operational procedures, employed to reduce the effectiveness of U.S. or allied non-communications equipment and activity.

2094 Specific: Detailed data related to the above to include:

- a. Precise location, organization, subordination, training, associated personality lists, and other pertinent order of battle.
- b. Mission to include identification of U.S. or other national non-communications equipment, activity or organization on which foreign countermeasure action is concentrated.
- c. Scope of capability, successes achieved, techniques employed.
- d. Technical data providing identifying descriptions, and operating characteristics of equipment utilized.
- e. Relationship and influence of the USSR (or other foreign governments) on countermeasure operations, and policies.

Cuban Air Force - General

2095 Air Order of battle and state of readiness, including:

- a. Unit designations; airfield or station location and number and type of aircraft assigned.
- b. Flight patterns and frequency of flights.

2096 Personnel

- a. Air personnel strength, officer and enlisted in

2000 MILITARY (Continued)

Cuban Air Force - General (Continued)

trained and trainee status by type (pilot, aircrew, groundcrew).

- b. Proficiency.
- c. Sources of manpower, methods of procurement.
- d. General status of morale of aviation personnel.
- e. General attitude towards Communism and Castroism.

2097 EW/GCI Radar Order of Battle, including: number and type equipment, location name and coordinates, function, number of officers and enlisted personnel, and period of operation for each.

2098 AAA Order of Battle, including: units, subordination, location name and coordinates; quantity and nomenclature of equipment, and number of officers and enlisted personnel for each unit; type of fire control utilized.

2099 Organizational position, command echelons and functions of aviation in the government, military structure, and in relation to the ground and naval forces.

2100 Training.

- a. Number and location of flight schools and type training being given, to include number of students.
- b. Number and location of USSR-Sov/Bloc advisors involved in Cuban training.
- c. The extent of aviation training in the Sov Bloc to include: number of pilots/crews which have been or are receiving training in Czechoslovakia/USSR; date of departure from Cuba.
- d. The number of Bloc trained personnel who have returned to Cuba.

2000 MILITARY (Continued)

Cuban Air Force - General (Continued)

2101 Key Air Force Personnel and Biographic Information.

a. List of key personnel to include: Air Commander, Chief of Staff, Deputies.

b. Biographic data on above.

2102 Logistics.

a. Sources for logistic support and supplies.

b. Quantities of aviation fuel stocks and storage.

c. Location of air depots.

d. Maintenance and repair policies, procedures, methods, techniques, and effectiveness.

e. Availability of spare parts.

f. Aircraft serviceability rates.

g. Fuel and oxygen servicing.

h. Purchase agreements with other nations involving aircraft, missiles, and related equipment or strategic materials.

2103 Means of identification.

a. Describe aircraft markings.

b. Unit insignia.

c. Describe air force uniforms and insignia.

2104 Electronics.

a. Describe communications equipment in operation and/or

5/62

2000 MILITARY (Continued)

Electronics (Continued)

used by the air force.

b. Is there any indication that a communications network, space vehicle tracking or electronic guidance system is being installed under the guise of other construction at or near construction sites?

2105 Ammunition Storage.

- a. Location name.
- b. Coordinates.
- c. Type and amount of ammunition stored.

2106 Highway Construction.

2107 Air Facilities.

- a. Is any new construction in progress at existing air fields?
- b. If so, what is the purpose of the construction?
- c. Are any new air fields being built? If so, please locate.

~~SECRET~~

2000 MILITARY (Continued)

Medical Facilities

2108 Hospitals: (include only the following)

Military Hospitals

- Central Military Hospital (Finlay) in Havana
- Casa Blanca Military Hospital, Havana
- Hospital Military Castillo Duany, Santiago de Cuba
- Hospital Militar, Pinar del Rio
- Hospital Militar, Matanzas
- Hospital Militar, Holguin
- Hospital Militar, Camaguey
- Hospital Militar, Santa Clara

Governmental Hospitals

- Quinta la Covadonga, Havana
- Quinta Benefica, Luyano
- Asoc. de Dep. del Comercio, Jesus del Monte
- Universidad Calixo Garcia, Havana
- Saturino Lora, Santiago de Cuba
- Leon Cuervo Rubio, Pinar del Rio
- Sta. Isabel y San Nicolas, Matanzas
- San Juan de Dios, Santa Clara
- Sanat. de la Col. Espanola, Cienfuegos
- Civil de Camaguey, Camaguey
- Nuestra Senora de las Mercedes, Vedado (Havana)
- General Freyre de Andrade, Havana

- 2109 Indicate bed capacity; normal bed occupancy and bed capacity.
- 2110 Street address of hospital.
- 2111 Type of construction; brick, mortar, or frame; number of floors.
- 2112 If building is of more than one floor, are there elevators? What type, make, capacity?
- 2113 Is the hospital electricity from a public utilities

2000 MILITARY (Continued)

Medical Facilities (Continued)

2113 (Continued)

source or from self-contained generator? If source is from public utilities, is there any emergency generator within the hospital? Quality of power (both sources), current, phase, nominal voltage, relative stability.

2114 Surface communications. Is there a paved road entering the hospital area? Is the hospital physically located near a railroad spur, port facility, or air strip? Is there a helicopter pad in the hospital vicinity? If not, is there a suitable open area in the near vicinity?

2115 Water used by the hospital; source, adequacy, potability, type of treatment, if any.

2116 Method of waste and sewage disposal; burned, open ditch, hauled away, city sewerage system.

2117 Surgical capability:

- a. Number of operation rooms.
- b. Type of cases performed - minor surgery, chest, abdominal.
- c. Type and condition of equipment, manufacture, make, model. Include tables, lights, major instruments, sterilizers, autoclave.
- d. Method of sterilization, autoclave, boiling, chemical.
- e. Is electrical system extended to operating room, i.e., plugs for use of power equipment?

2118 Hospital laboratory capability:

- a. Type of tests and examinations performed.
- b. Type and condition of major equipment, manufacture, model. Include microscope, centrifuge, ovens.
- c. Are there cold storage facilities within the laboratory; capacity, type of unit, make, and model.

5/62

2000 MILITARY (Continued)

Medical Facilities (Continued)

2118 (Continued)

d. Skill level and status of training of laboratory technicians.

2119 Blood bank capability:

a. Size of cold storage units, type, make. Are they equipped with temperature recorders?

b. Is blood drawn locally or obtained elsewhere and stored only?

c. Are refrigeration units temperature controlled, 0° -1° centigrade?

d. Are compatibility tests performed?

2120 X-ray capability:

a. How many units are present? What size are units, milleamperage/voltage? Type, model. Are there portable X-ray machines?

b. Are developing tank temperatures controlled?

c. Are spare parts kept on hand? Tubes, tube heads?

2121 Communication system:

a. Within hospital.

b. With local community; telephone system--how extensive, reliability.

2122 Manufacturing Laboratories (civilian):

a. Location.

b. What products are manufactured? In what quantity? Include such items as gamma globulin, cathomycin, and albamycin.

5/62

2000 MILITARY (Continued)

Medical Facilities (Continued)

2122 (Continued)

- c. Cold storage facilities. Capacity, make and model.
- d. Source and details of electrical data; current, phase, nominal voltage, and relative stability.
- e. Facilities. Building construction and number of structures.
- f. Professional equipment. Type, condition, and make.
- g. Source and quality of water; treatment method.
- h. Source of raw material, local or import.

2123 Medical Depots (military) or Medical Sections of a General Depot:

- a. Location.
- b. Number of square feet of covered storage area.
- c. Number and dimensions of buildings.
- d. Presence and capacity of cold storage area. Type of refrigeration unit, make, and model.
- e. Security measures in effect, i.e., pilferage, theft.
- f. Surface communications:
  - (1) Road net into depot; extent, paved.
  - (2) Proximity to railroad, port, airfield.

5/62

2000 MILITARY (Continued)

Medical Facilities (Continued)

2123 (Continued)

g. Is material handling equipment used? What type? How many machines? Capacity, make, and model. (Fork lifts, conveyors, mechanical dollies).

h. Extent of medical maintenance performed:

(1) What type of testing equipment present?

(2) Training of repairmen/technicians.

(3) Are spare parts kept on hand or requisitioned as needed?

i. Number of days' stock kept on hand.

j. Throughput capability -- in tons per day.

k. Expansion capability.

l. Stock management system (requisition, stock control, and issue procedures.)

2124 Refrigerated Storage:

Identify and locate refrigerated storage sites and/or ice plants which could be used to store and reprocess shipments of whole blood and other perishable medical items.

3000 ECONOMIC (Continued)

Bloc Economic Aid (Continued)

Industrialization (Continued)

such as, general planning, construction scheduled, progress on construction, production planned for, and the like.

3046 Identify and locate all industrial facilities and projects completed or under construction in Cuba on the basis of assistance from Bloc countries. (Identify the Bloc country providing the assistance). Where possible, locate not only by city but also by what section of the city and near what prominent landmarks.

3047 What portion of the total cost of any project is accounted for by foreign exchange costs, i.e., cost incurred through the necessity of importing materials, equipment, and outside technical assistance?

3048 What is the nature of the Bloc aid, i.e., direct grant, credit, technical assistance; extent of cost covered by Bloc financial aid, i.e., entire cost or only foreign exchange portion of cost?

3049 For all projects where credit is involved, what are the repayment terms and interest rate?

3050 Specific projects - Using the above guidance, and the questions in paragraph 3069, report on the following:

a. A steel plant is to be built in Cuba by the USSR. Is it planned as an integrated steel combine or a rolling mill only?

b. The projected oil refinery at Santiago, also being built through Soviet assistance.

c. The shipbuilding yard at Mariel and the ship-repair yard at Havana to be built with Polish assistance.

Soviet Bloc Technical Assistance

Information about technical assistance from the Bloc, its general character and scope, as well as answers to the specifics outlined below provide still another approach to assessing the Castro regime's prospects for success or failure. The general plans, their execution and changes in these, are of continuing interest.

3000 ECONOMIC (Continued)

Industry (Continued)

General (Continued)

- c. Laborers
- d. Foremen
- e. Management
- f. Secretaries

3066 To what extent are the industrial plants guarded by militia and where are the guards?

3067 Are there evidences of Sov-Sat technicians assisting or supervising the plants?

Industrial Sectors of Interest

There is a continuing interest in the major sections of the Cuban economy and the rate and general development patterns in these sections.

3068 Information is needed on the following Cuban industries in particular. (Specific questions applicable to these industries and individual facilities are listed under paragraphs 3070 and 3094).

Extractive industries

- a. nickel-cobalt
- b. copper
- c. manganese
- d. chromite
- e. iron

3069 Manufacturing industries

- a. petroleum refining (See also para. 3050)
- b. metallurgical (See also para. 3050)

3000 ECONOMIC (Continued)

Industry (Continued)

Specific Information Needs on Key Industries (Continued)

d. Cargo aboard.

e. Dates in ports.

3128 Report any details known on Cuban trade, by commodity and volume, with both Bloc countries and non-Bloc countries.

3129 Bloc ships, specific requirements.

a. Were special security precautions noted in port of arrival?

b. Was the ship heavily or lightly loaded?

c. Give type and quantity of cargo unloaded from ship holds; if tanks or trucks state type.

d. Did the ship carry deck cargo? Give as complete a description as possible, i.e., crates the size of a semitrailer, boxcar, or automobile. (See Illustrations).

e. Did the ship carry motor torpedo boats on deck and was the ship towing any type of craft?

Civil Air

3130 Report sales of Bloc transport aircraft to Cuba.

31301 Total number of civil aircraft by types indicating those currently operational.

31302 Civil aviation personnel strength by categories - i.e. (a) jet pilots, (b) multi-engined pilots, (c) single-engined pilots; (d) engineers, (e) radio operators, (f) stewards; ground personnel: (a) professional and administrative, (b) mechanics and other skilled ground crews, (c) clerical and unskilled personnel.

31303 Established air corridors and civil airways, including schedules and routes of all domestic air services.



3000 ECONOMIC (Continued)

Civil Air (Continued)

31304 Flight traffic control and communications facilities including meteorological services or other aids to air navigation.

31305 Number and location of training schools and aero clubs.

31306 Foreign airlines operating in Cuba including types of aircraft used, flight numbers, frequencies, and routes.

3131 Report information on civil air agreements between Cuba and any Bloc country.

3132 Report information on operations of Bloc airlines to Cuba or beyond.

31321 Airline agreements or pooling arrangements involving Cuban carriers or affecting Cuban services.

31322 CUBANA maintenance facilities including their availability to other carriers, domestic or foreign.

31323 Other maintenance facilities available to civil air operators plus fuel supplies and services.

31324 Governmental controlling agency or organizational structure for civil air administration.

31325 Aviation laws, licensing requirements, etc.

31326 Principal personalities: (1) Government administrators; (2) Airline officials; (3) Biographies of above.

31327 Means of identification: (1) aircraft markings; (2) uniforms of airline personnel.

Local Level (Whenever personalities are mentioned obtain as complete a biographic sketch as possible).

3133 Automobile

a. Who are the outstanding garage men in your area?  
Most trusted?

(1a)

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry

Microwave radio relay

National Level

3170 Describe the operation and facilities for microwave radio relay of the Red Oficial de Comunicaciones por Microondas (ROCFMI) network.

- a. Allocation of channels, i.e., military, commercial, etc.
- b. List of routing indicators and abbreviations.
- c. Location of stations installed after RCA completed its initial installation.
- d. Location of equipment within Havana; particularly point of entry of microwave signal into Havana.
- e. How traffic is routed on microwave.
- f. Use and identification of cover names.
- g. Information concerning communications operating courses and nets.

3171 How many telephone channels are in use on this network and what, if any, are the plans to enlarge the network?

3172 What are the nationalities of the technicians operating this network?

3173 What is the current operating status of the Ministerio de Comunicaciones network?

3174 Who are the users of this network (military, militia, other ministries, etc.)?

3175 What are the major operating difficulties?

3176 What is the operational status and identification of the VHF and UHF stations connecting to the ROCFMI network?

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry (Continued)

Telephone System (Continued)

National Level (Continued)

3188 Describe the present quality of local and long-distance service.

3189 How much of the open wirelines has been replaced by cable? Where? What kind of cable was used? Was the cable buried? If any repeater stations are used along a cable route, where are they located?

3190 Are there any plans for the use of direct long-distance dialing?

Local Level

3191 Where are the telephone offices in yours and in surrounding cities?

3192 Are they automatic exchanges or are all calls handled by operators?

3193 Are the telephone offices guarded? How?

3194 Are there pay phones in these cities?

3195 Did the withdrawal of coinage affect the use of these?

3196 List all remembered local telephone numbers. (Friends, Important people, Businesses, Militia, Fire department, City offices, etc.)

3197 Where are the telephone exchange transfers, vaults, substations (especially in smaller towns) located?

3198 What is the estimated number of telephones in your area?

3199 Are telephones in good repair?

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry (Continued)

Telephone System (Continued)

Local Level (Continued)

3200 Does subject know anyone in the telephone business, civil or military?

- a. Operators
- b. Linemen
- c. Repairmen

3201 Give complete data on any other aspects of the telephone system with which source is familiar.

Telegraph System

3202 Comment on the status of modernization of the Cuban Telegraph system for such things as:

- a. Installation of new wirelines.
- b. The switching of traffic from open wirelines to microwave radio relay.
- c. The location of and equipment used in point-to-point radio facilities for passing telegraph traffic and the extent of such use by the Institute Nacional de la Reforma Agraria (INRA).
- d. The progress in establishing domestic Telex networks and any plans for establishing international Telex connections.

Radio and Television

National Level

3203 What is the operational status of the main radio broadcasting and television studio in Havana?

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry (Continued)

Radio and Television (Continued)

National Level (Continued)

32031 When did Cuba begin broadcasting to other countries over Radio Havana?

32032 Who is in charge of Radio Havana and who are his assistants?

32033 Give the names of anyone else connected with Radio Havana and tell what they do and where their political sympathies lie.

32034 Where are the studios of Radio Havana located? Where are the transmitters?

32035 Are any of Radio Havana's announcers and/or technicians from Iron Curtain countries?

32036 In what language does Radio Havana broadcast? Will any new languages be added in the future?

32037 Radio Havana is used by various dissident groups such as the Guatemalan Information Committee to beam subversive programs to specific countries. Who controls these groups? Can they broadcast what they wish or are they merely "front" groups organized to give the programs an aura of authenticity?

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry (Continued)

Radio and Television (Continued)

National Level (Continued)

3204 What is the status of the new international radio broadcasting station under construction at Bauta near Havana?

3205 What are the number and types of transmitters installed at the Bauta station and to what extent is the station operated by Cuban or Bloc personnel?

3206 What government entity is responsible for the selection and preparation of radio and television programs? What is the degree of Bloc involvement in such programming?

3207 What are the plans for extending coverage of international radio broadcasting service?

32071 Is it true that Radio Havana actually has few listeners in Latin America? Do many people write to Radio Havana reporting on reception?

32072 Are the programs of the Havana station called The English School of the Air beamed to the United States or are they intended solely for Cuba? Does the director of Radio Havana also direct The English School of the Air?

32073 What can you tell us about the Radio Havana announcer named Barbara Collins? Is Robert Williams on the staff of Radio Havana? Is Marge McCurdy an announcer for Radio Havana?

32074 How many transmitters does Radio Havana have? What are the powers of the transmitters? How do programs reach the transmitters from the studios?

32075 Does Radio Havana have a monitoring section to listen to broadcasts from other countries? If so, describe the section giving number of personnel employed, language capabilities, which countries and stations are monitored, what type of equipment is used, location, etc.

3000 ECONOMIC (Continued)

Industry (Continued)

Communications Industry (Continued)

Radio and Television (Continued)

National Level (Continued)

32076 What security precautions are taken at the Radio Havana studios? Describe the studios, and if possible, draw a rough diagram of the floor plan of the studios.

Local Level

3208 What are the most popular radio and television programs?

3209 Estimate the number of television sets in the area.

3210 Estimate the total radio and television audience.

3211 What is the quality of radio and television reception.

3212 Which radio and television personalities are the most and the least popular?

3213 What radio programs from foreign areas are popular?

3214 How much communist cultural material is broadcast? What is the most effective type of communist propaganda? What is the general reaction to this type of broadcast?

4000 GEOGRAPHIC

Detailed information on local conditions is required for certain priority areas. This section is designed to provide guidance for exploitation of a person's knowledge of local conditions. It should be used as an adjunct to the preceding functional and technical sections.

Sources from Guane and Cienfuegos areas should be interrogated in the greatest detail on local conditions as well as on their occupational specialty.

Sources with knowledge of the following areas also should be given precedence in processing for this type of information.

- |                           |   |
|---------------------------|---|
| (Pinar del Rio Province): | Guane and Esperanza   |
| (Havana Province):        | Havana  |
| (Matanzas Province):      | Matanzas, Colon   |
| (Las Villas Province):    | Caibarien, Sancti Spiritus, Santa Clara                                       |
| (Camaguey Province):      | Moron, Camaguey, Nuevitas, Santa Cruz del Sur, Florida                        |
| (Oriente Province):       | Puerto Padre, Gibara, Mayari, Holguin, Baracca, Santiago del Cuba, Manzanillo |

Physical Setting

Persons who have lived in an area and who have spent time in the out-of-doors can provide unique information related to movement across local terrain. The following questions are a guide to developing information on local terrain conditions.

Relief and Drainage

4001 Describe trails in your area. What is the normal amount of traffic using them?

4002 Describe and locate fords across streams, including the steepness and composition of the stream banks, type and density of vegetation, depth and swiftness of the stream.

4003 Are there any caves that could be used for hiding or caching supplies? Can sink-holes be used for the same purpose?

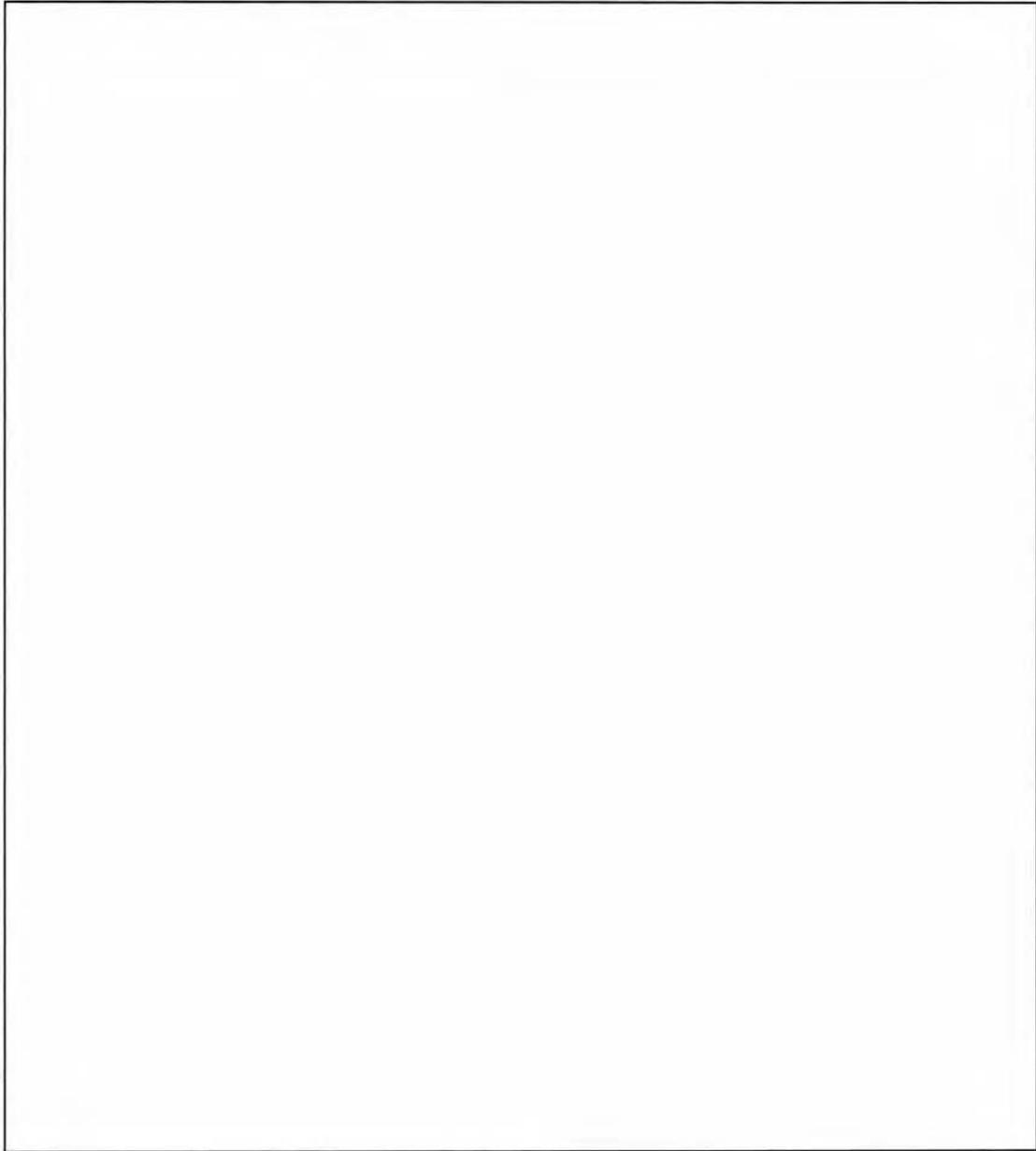
Water Supply

4004 What are the local supplies of water?

50X1, E.O.13526

5000

[Redacted]



50X1, E.O.13526

(1a)

8000. ANNEXES

- A. Selected List of Cuban Industrial Organizations and Plants
- B. Map and List of Electric Power Stations
- c. List of Cuban Sugar Mills (includes new names where known)

ANNEX C

Cuban Sugar Mills

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
1.	Andreita	Mal Tiempo	Cruces, L.V.	22-18N 80-16W	2,722
2.	Manuelita	14 July	Palmira, L.V.	22-15N 80-31W	6,237
3.	Adelaida	Enrique Varona Gonzalez	Falla, Moron, C.	22-10N 78-50W	4,309
4.	Patria	Patria O Muerte	Moron, C.	22-06N 78-38W	2,551
5.	Punta Alegre	Maximo Gomez	Punta de San Juan, C.	22-24N 78-46W	6,237
6.	Violeta	Primero de Enero	Cupeyes, Moron C.	21-57N 78-27W	8,289
7.	San German	Urbano Noris	San Germain, O.	20-37N 76-09W	7,598
8.	Fajardo	CDTE. Manuel Fajardo	San Antonia de Los Banos, H.	22-50N 82-27W	1,701
9.	Toledo	Manuel Martinez Prieto	Marianao, H.	23-03N 82-25W	5,103
10.	Providencia	Oswaldo Sanchez	Guines, H.	22-48N 82-02W	2,835
11.	Guipuzcoa	Esteban Hernandez	Marti, M.	22-58N 80-57W	3,175

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
12.	Santa Isabel		Fomento, L.V.	22-06N 79-44W	2,608
13.	Trinidad	F.N.T.A.	Trinidad, L.V.	21-50N 79-50W	2,381
14.	Zaza		Placetas, L.V.	22-17N 78-38W	2,381
15.	Fe	José Maria Pérez	Camajuani, L.V.	22-26N 79-42W	3,402
16.	Corazon de Jesus	Mariana Grajales	Sitecito (Sagua), L.V.	22-44N 80-04W	2,155
17.	Ulacia	Carlos Balino	Rodrigo, L.V.	22-41N 80-12W	2,381
18.	Cunagua	Bolivia	Cunagua, C.	22-05N 78-20W	9,526
19.	Jaronu	Brasil	Jaronu (Esmeralda), C.	21-51N 77-58W	12,836
20.	Alava	Mexico	Banaguises, M.	22-47N 80-49W	4,763
21.	Conchita	Puerto Rico Libre	Alacranes, M.	22-45N 81-32W	4,002
22.	Mercedes	Seis de Agosto	Manguito, M.	22-38N 80-52W	3,856
23.	Lugareno	Sierra de Cubitas	Lugareno, C.	21-33N 77-29W	6,237
24.	Moron	Ciró Redondo	Pina, C.	22-01N 78-44W	11,340

1a

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
25.	Stewart	Venezuela	Simon Reyes, C.	21-44N 78-48W	9,922
26.	Cuba	Cuba Libre	Pedro Betancourt, M.	22-45N 81-18W	5,670
27.	Santo Domingo	Juan Avila	Union de Reyes, M.	22-51N 81-30W	2,528
28.	Espana	Espana Republicana	Perico, M.	22-49N 81-01W	6,600
29.	Alto Cedro	Loynaz Hechevarria	Marcane, O.	20-35N 75-58W	3,062
30.	Palma	Dos Rios	Palma Soriano, O.	20-14N 76-01W	4,536
31.	Santa Ana	Chile	Azua (San Luis) O.	20-16N 75-54W	2,495
32.	Miranda	Julio A. Mella	Miranda, O.	20-23N 75-55W	5,670
33.	Jatibonico	Uruguay	Jatibonico, C.	21-55N 79-12W	5,103
34.	Jobabo	Peru	Jobabo, O.	20-50N 77-18W	5,103
35.	Mercedita	Augusto Cesar Sandino	Cabanas, P. de R.	22-59N 82-55W	2,041
36.	Chaparra	Jesus Menendez	Puerto Padre, O.	21-10N 76-29W	8,062
37.	Delicias	Antonio Guiteras	Puerto Padre, O.	21-11N 76-34E	9,752
38.	La Vega	Humberto Abrad	Guayos, L. V.	22-03N 79-28W	1,701

1a

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
39.	Tuinucu		Sancti Spiritus, L. V.	21-59N 79-26W	4,536
40.	Cespedes	Carlos Manuel de Cespedes	Cespedes, C.	21-35N 78-17W	4,356
41.	Elia	Colombia	Elia (Guairmaro), C.	21-01N 77-25W	6,010
42.	Francisco	Amancio Rodriguez	Guayabal, C.	20-49N 77-35W	7,450
43.	Manati	Argelia Libre	Dumanecos, O.	21-18N 76-55W	9,639
44.	San Francisco	Marta Abreu	Cruces, L. V.	22-22N 80-14W	1,928
45.	Algodones	Orlando Gonzalez	Majagua, C.	21-52N 78-59W	3,402
46.	Baguanos	Lopez Pena	Cueto, O.	20-46N 76-03W	3,742
47.	Tacajo	Fernando de Dios	Cueto, O.	20-51N 76-00W	3,742
48.	Agramonte	Igancio Agranonte	Florida, C.	21-31N 78-14W	4,536
49.	Estrella	Republica Dominicana	Cespedes, C.	21-36N 78-18W	4,736
50.	Vertientes	Panama	Vertientes, C.	21-19N 78-12W	8,992
51.	Isabel (Jamaica)	Honduras	Jamaica, O.	20-11N 75-06W	1,814
52.	Los Canos	Paraguay	Arroy Hondo, O.	20-03N 75-08W	2,041

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
53.	Soledad	El Salvador	Guantanamo, O.	20-13N 75-13W	2,495
54.	Andorra	Abraham Lincoln	Artemisa, P de R.	22-48N 82-49W	2,495
55.	Australia		Jaguey Grande, M.	22-31N 81-06W	2,619
56.	Zorrilla	Mario Munoz	Los Arabos, M.	22-46N 80-38W	1,928
57.	Maria Antonia	26 July	Santo Domingo, L. V.	22-33N 80-42W	907
58.	Purio	Perucho Figueredo	Calabazar, L. V.	22-40N 79-52W	2,268
59.	San Pablo		Zulueta, L. V.	22-21N 79-36W	1,701
60.	Washington	Camilo Cienfuegos	Manacas, L. V.	22-35N 80-18W	3,629
61.	El Pilar	Eduardo Garcia Lavandero	Artemisa, P de R.	22-51N 82-46W	3,062
62.	San Cristobal	Jose Marti	San Cristobal P de R	22-41N 83-01W	3,402
63.	Hershey	Camilo Cienfuegos	Santa Cruz Del Norte, H.	23-08N 81-57W	7,371
64.	Rosario	Ruben Martinez Villena	Aguacate, H.	22-40N 82-03W	2,381
65.	San Antonio	Boris Luis Santa Colona	Madruga, H.	22-55N 81-52W	3,027

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66.	Araujo	Reinold Garcia	Manguito, M.	22-36N 80-54W	2,619
67.	Tinguaro	Sergio Gonzalez	Pericos, M.	22-47N 80-57W	4,536
68.	Escambray		Fomento, L. V.	22-07N 79-45W	1,814
69.	Perseverancia	Primero de Mayo	Real Campina, L. V.	22-24N 80-45W	4,536
70.	Cape Cruz	Luis Enrique Carracedo	Ensenade de Mora O.	19-54N 77-19W	2,041
71.	Niquero		Niquero, O.	20-03N 77-35W	3,402
72.	Tanamo	Frank Pais	Cayo Mambi, O.	20-41N 75-15W	3,969
73.	Constancia		Encrucijada, L. V.	22-35N 79-52W	2,495
74.	Portugalete	Elpirio Gomez	Palmira, L. V.	22-17N 80-25W	2,177
75.	Unidad		Calabaza de Sagua, L. V.	22-41N 80-01W	1,928
76.	Amistad	Amistad de Los Pueblos	Guines, H.	22-51N 82-00W	2,880
77.	Gomez Mena	Hector Molina	San Nicolas, H.	22-46N 81-53W	6,804
78.	Mercedita	Gregorio Arlee Manalich	Melena del Sur, H.	22-50N 82-09W	3,969

(10)

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79.	Resolucion	Jose R. Riquelme	Quemados de Guines, L. V.	22-50N 80-20W	1,814
80.	Baragua (Ciego de Avila)	Ecuador	Ciego de Avila, C.	21-42N 78-39W	7,371
81.	Florida	Argentina	Florida, C.	21-33N 78-15W	3,402
82.	Marcareno	Haiti	Manopla, C.	20-43N 77-52W	3,865
83.	Constancia		Abreu, L. V.	22-14N 80-34W	4,536
84.	Covadonga	Antonio Sanchez	Carreno, L. V.	22-17N 80-51W	3,526
85.	Hormiguero	Espartaco	San Fernando de Camarones, L. V.	22-15N 80-20W	4,309
86.	Parque Alto	Batalla de Peralejo	Rodas, L. V.	22-22N 80-29W	1,928
87.	Pastora	Oswaldo Herrera	San Juan de Los Yeras, L. V.	22-18N 80-04W	2,654
88.	San Agustin	Ramon Balboa	Santa Isabel de las Lajas, L. V.	22-21N 80-18W	3,470
89.	Boston	Nicaragua	Banes, O.	20-54N 75-43W	7,938
90.	Preston	Guatemala	Preston, O.	20-47N 75-39W	9,185
91.	Bahia Honda	Harlem	Bahia Honda P de R	22-55N 83-12W	2,381
92.	La Francia	Sierra Maestra	Los Palacios P de R	22-31N 83-14W	2,608

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93.	Niagara	Manuel Sanguily	Consolacion del Norte P de R	22-50N 83-31W	1,542
94.	Orozco	Pablo de la Torriente Brau	Cabanas, P de R	22-57N 83-02W	3,084
95.	San Ramon	Orlando Nodarse	Mariel, P de R	22-58N 82-47W	2,381
96.	Havana	Havana Libre	Caimito, H.	23-01N 82-37W	1,701
97.	Josefita	Manuel Isla	Nueva Paz, H.	22-46N 81-45W	1,814
98.	Occidente	Pablo Noriega	Quivican, H.	22-48N 82-24W	907
99.	Portugalete	Liberacion	San Jose de Las Lajas, H.	23-00N 82-13W	2,041
100.	Carolina	Gramma	Coliseo, M.	22-55N 81-16W	2,551
101.	Dolores	Jaime Lopez	Pedro Betancourt, M.	22-49N 81-17W	1,588
102.	Dos Rosas	Humerto Alvarez	Cardenas, M.	23-05N 81-18W	1,746
103.	Elena		Canasi, M.	23-02N 81-43W	907
104.	Limonas	Fructoso Rodriguez	Limonar, M.	22-54N 81-25W	2,495
105.	Porfuerza	Jesus Rabi	Calimete, M.	22-33N 80-51W	2,937
106.	Progreso	Jose Smith	Mendez Carote, M.	22-59N 81-11W	3,062

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107.	Puerto	Puerto Libre	Canasi, M.	23-07N 81-47W	1,474
108.	San Ignacio	William Soler	Agramonte, M.	22-40N 81-07W	1,701
109.	Santa Amalia	Victoria de Yaguajay	Coliseo, M.	22-55N 81-17W	2,551
110.	Santa Rita		Baro, Agramonte, M.	22-41N 81-00W	2,268
111.	Soledad	Julio Reyes	Jovellanos, M.	22-49N 81-09W	2,767
112.	Triunfo	Mario Nunez	Limonar, M.	22-59N 81-21W	1,928
113.	Adela		Remedios, L. V.	22-23N 79-32W	2,722
114.	Amazonas	Hiram Rojas	Sancti Spiritus, L. V.	21-40N 79-26W	1,701
115.	Caracas	Ciudad Caracas	Santa Isabel de las Lajas, L. V.	22-23N 80-16W	3,969
116.	Carmita		Vega Alta, L. V.	22-30N 79-49W	1,984
117.	Fidencia		Fidencia, L. V.	22-21N 79-40W	2,495
118.	Macagua		Mata, L. V.	22-36N 79-58W	1,814
119.	Narcisa		Yuguajay, L. V.	22-20N 79-17W	3,969
120.	Natividad	7 de Noviembre	Sancti Spiritus, L.V.	21-39N 79-29W	1,928

14

	<u>Former Name</u>	<u>New Name</u>	<u>City &amp; Province</u>	<u>Coordinates</u>	<u>Cane Grinding Capacity M tons per 24 hours</u>
121.	Nazabal	Emilio Cordova	Encrucijada, L. V.	22-45N 79-44W	2,835
122.	Nela	Obdulio Morales Torres	Mayajigua, L. V.	22-18N 79-06W	1,928
123.	Ramona		Rancho Veloz, L. V.	22-52N 80-21W	4,423
124.	Reforma	Marcelo Salado	Caibarien, L. V.	22-30N 79-30W	2,551
125.	Resulta	Antonio Finalet	Sagua La Grande, L. V.	22-48N 80-03W	2,835
126.	San Agustin	Ramon Balboa	Remedios, L. V.	22-21N 80-18W	2,722
127.	San Isidro		Quemados de Guines, L. V.	22-47N 80-17W	2,722
128.	San Jose	Hermanos Ameijerias	Placetas, L. V.	22-19N 79-36W	2,891
129.	Santa Catalina	Carlos Caraballo	Cruces, L. V.	22-23N 80-13W	2,722
130.	Santa Lutgarda	El Vaquerito	Mata, L. V.	22-39N 79-58W	2,381
131.	Santa Maria	Efrain Alfonso	Ranchuello, L. V.	22-22N 80-11W	2,438
132.	Santa Rosa	10 de Octubre	Ranchuello, L. V.	22-22N 80-07W	2,347
133.	Santa Teresa	Santa Teresa Libre	Sitiecito, L. V.	22-48N 80-06W	3,402

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134.	Soledad	Pepito Tey	Cienfuegos, L. V.	22-07N 80-20W	2,551
135.	Vitoria		Yaguajay, L. V.	22-20N 79-15W	2,495
136.	Najasa	Alfredo Alvarez Mola	Hatuey, C.	21-13N 77-33W	2,268
137.	Santa Marta	Candido Gonzolez	Santa Marta, C.	20-48N 78-01W	4,536
138.	Senado	Noel Fernandez	Senado, C.	21-34N 77-37W	5,103
139.	Siboney		Marchena, C.	21-16N 77-39W	2,041
140.	Algodonal	Salvador Rosales	El Cristos, O.	20-09N 75-45W	1,826
141.	America	America Libre	Contramaestre, O.	20-15N 76-15W	2,631
142.	Baltony	Los Reinaldos	Almeida, O.	20-11N 75-29W	5,103
143.	Borjita	Paquito Rosales	Dos Camines, O.	20-12N 75-47W	2,722
144.	Cacocum	Cristino Naranjo	Cacocum, O.	20-45N 76-23W	2,381
145.	Dos Amigos	Francisco Castro Ceruto	Campechuela, O.	20-14N 77-18W	1,474
146.	Ermita	Costa Rica	Near Guantanamo, O.	20-11N 75-24W	1,814

(1a)

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147.	Esperanza	Argeo Martinez	Guantanamo, O.	20-12N 75-10W	2,268
148.	Estrada Palma	Bartolome Maso Marquez	Yara, O.	20-10N 76-57W	3,175
149.	Isabel	Juan Manuel Marquez	Media Luna, O.	20-08N 77-27W	3,402
150.	Mabay	Arquimedes Colina Antunez	Julia Bayamo, O.	20-21N 76-47W	2,551
151.	Maceo	Antonio Maceo	Cacocum, O.	20-45N 76-29W	2,041
152.	Rio Cauto	Jose M. Figueredo	Rio Cauto, O.	20-32N 76-56W	4,536
153.	Romelie	Hector Infante	Yateras, Guantanamo, O.	20-10N 75-05W	1,701
154.	Salvador		Calicito, O.	20-17N 77-14W	2,155
155.	San Antonio	Manuel Tames	Yateras, Guantanamo, O.	20-09N 75-03W	1,588
156.	San Ramon		San Ramon, O.	20-13N 77-22W	2,268 (Converted to chicken farm)
157.	Santa Cecilia	Jorge Prieto	Near Guantanamo, O.	20-08N 75-08W	1,701
158.	Santa Lucia	Rafael Freire Torres	Santa Lucia, O.	21-03N 76-02W	4,196

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159.	Santa Regina	Enidio Diaz Machado	Ceiba Huega, O.	20-13N 77-20W	2,268
160.	Sofia	Ranulfo Leiva	Sofia, Bayano, O.	20-19N 76-58W	2,041
161.	Union	Rafael Reyes	San Luis, O.	20-12N 75-51W	1,928