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NICARAGUA

MAP COVERAGE REPORT (U)

120

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NOVEMBER 1984

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DISSEMINATION CONTROL ABBREVIATIONS

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ORCON -	Dissemination and Extraction of Information Controlled by Originator
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NICARAGUA MAP COVERAGE REPORT NOVEMBER 1984 (U)

INTRODUCTION

This report lists maps covering Nicaragua. These maps, all available through the NPIC Map Library, vary in their content, scale, size, date of production, and publisher. They were selected for inclusion in this document because of their possible utility in the imagery exploitation process. (U)

Most of the maps listed in this publication are produced by the Defense Mapping Agency (DMA) or the Central Intelligence Agency (CIA) and are available for retention. NPIC personnel may order maps or submit map-related requests through the NPIC Map Library in Room 1S300. Requests should identify maps by series and sheet number. Some maps are available on a loan basis only; however, reproductions are available for retention. Orders for loan maps should give the complete call number. (U)

The scale of a map, usually expressed as a ratio, describes the relationship between a distance on the map and the corresponding distance on the ground. The choice of map scale depends on the intended use of the map. Scale determines the amount of detail shown on a map. A large-scale map shows more detail but less land area, while a small-scale map shows less detail but a larger land area. For example:

Large-scale maps (more detail, less area): 1:10,000—1:25,000

Medium-scale maps: 1:50,000—1:250,000

Small-scale maps (less detail, more area): 1:500,000—1:22,000,000

The terms large- and small-scale are comparative, rather than absolute, so there are no precise definitions of the boundaries between them. Maps of continental areas and the world are all in small scale, however, and town plans are in large scale. (U)

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BACKGROUND INFORMATION**General**

On 19 July 1979, the Somoza dynasty, which had been in power for 43 years, was overthrown and replaced by the Government of National Reconstruction. The Sandinista revolution has brought numerous political, economic, and social changes to Nicaragua, keeping the country in the forefront of international interest.¹ (U)

Government

Official Name Republic of Nicaragua² (U)
Type Republic² (U)
Capital Managua² (U)
Political Subdivisions One national district and 16 departments; in 1982, the Sandinistas established six regions and three special zones, which both the government and the Sandinista National Liberation Front (FSLN) increasingly use for administrative purposes.² (U)

Area Geography and Climate

Nicaragua's area of 57,143 square miles (about the size of Wisconsin) includes two large fresh-water lakes, Lake Nicaragua and Lake Managua, which together total about 3,500 square miles. The country's three geographic sections are the Pacific coastal plain and its low mountain ranges near the sea, the higher mountainous area running northwest to southeast, and the flat Atlantic plain.¹ (U)

Land 148,000 sq km total area/1,220 km boundary land: 50% forest; 7% arable; 7% prairie and pasture; 36% urban, waste, or other² (U)
Water Limits of territorial waters (claimed): 200 nm; (fishing, 200 nm; continental shelf, including sovereignty over superjacent waters) 910 km coastline² (U)

Most of the population is in western Nicaragua, the political and commercial heart of the country. Lake Nicaragua and Lake Managua dominate this area. The region also contains many extinct and a few semiactive volcanoes, some with peaks up to 5,000 feet. The mountainous area northeast of the lakes is more sparsely populated but provides a large part of Nicaragua's coffee and cattle production. This region, accessible by lateral spur roads from the Inter-American Highway, has several gold mines. Eastern Nicaragua's climate varies with altitude and season. In Managua, summer lasts from mid-November to mid-May and is hot and dry. Winter (mid-May to mid-November) is hot and humid with short, heavy tropical showers which may occur daily, often accompanied by violent electrical storms. Streams flood in the rainy season and are dry the rest of the year. The average daily temperature in Managua ranges from 93°F to 79°F. Nights are temperate. Temperatures in the mountains can go as low as 61°F, while the east coast may be as warm as 84°F.¹ (U)

Nicaraguan geography was not changed by the 1972 earthquake or the 1979 revolution. Managua's physical layout, however, was considerably altered. Despite being the nation's capital and largest city, Managua has no central business or shopping district as such and lacks a sense of being an urban area.¹ (U)

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Population

Population figures are not reliable due to inadequate census taking and record keeping. The estimate is 2.9 million; for Managua, 716,000. Most Nicaraguans are of Hispanic origin, but some isolated, distinct ethnic communities still exist—primarily Sumo, Rama, and Misquito Indians and Caribbean Blacks in the eastern sector of the country.¹ (U)

Population	2,914,000 (July 1984), average annual growth rate 3.6 percent ²
Nationality	Nicaraguan ²
Ethnic Division	69% mestizo, 17% white, 9% black, 5% Indian ²
Religion	95% Roman Catholic ²
Language	Spanish (official); English and Indian-speaking minorities on Atlantic coast ²
Literacy	66% ²

This table is UNCLASSIFIED.

Economy

GDP	\$2.5 billion (1982), \$846 per capita; real growth rate (1982), –3 percent ²
Agriculture	Cotton, coffee, sugar cane, rice, corn, beans, cattle ²
Major Industries	Food processing, chemicals, metal products, textiles and clothing, petroleum, beverages ²
Electrical Power	385,000 kW capacity (1983); 1.2 billion kWh produced (1983), 425 kWh per capita ²

This table is UNCLASSIFIED.

Communications

Railroads	344 km 1.067-meter gauge; government owned (a 3 km 1.435-meter gauge line at Puerto Cabezas does not connect with main line) ² (U)
Highways	23,585 km total: 1,655 km paved; 2,170 km gravel or crushed stone; 5,425 km earth or graded earth; 14,335 km unimproved ² (U)
Inland Waterways	2,220 km; including 2 large lakes ² (U)
Pipelines	56 km crude oil ² (U)
Ports	1 major (Corinto), 7 minor ² (U)
Civil Air	12 major transport aircraft ² (U)
Airfields	300 total: 277 usable; 8 with permanent-surface runways; 13 with runways 1,220–2,439 m ² (U)
Telecommunications	Low-capacity, radio-relay and wire system; connection into Central American microwave net; Atlantic Ocean INTELSAT station; 57,900 telephones (2.2 per 100 popl); 52 AM, 11 FM, and 5 TV stations ² (U)
Merchant Marine	8 ships (1,000 GRT or over) totaling 25,470 GRT; 37,864 DWT; includes 5 cargo, 2 roll-on/roll-off, and 2 tankers ³ (C)

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Defense Forces

Personnel	32,500 total: includes Sandinista Popular Army, Border Guard troops, navy, air force, and Ministry of Interior troops ³ (S/NF)
Major Ground Units	12 infantry battalions, 3 armor battalions, 1 artillery brigade, assorted logistics units, 6 Border Guard battalions, 40-50 reserve infantry battalions, and 30-50 militia battalions; Air Force controls 1 Air Defense Group ³ (S)
Ships	At least 17 patrol craft plus an unknown number of armed fishing craft ³ (S)
Aircraft	61 total: 3 jet, 43 mixed prop and turbo-prop, 15 helicopters ³ (S)
Supply	Dependent primarily upon Cuba and the USSR since 1974; has purchased aircraft and patrol boats from Israel ³ (C)

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MAP LISTINGS**Base Maps**

Base maps are basic outline maps that show major cities, transportation routes, and administrative divisions. They can be valuable tools in preparing briefings and for illustrating reports. (U)

CIA produces the following base maps of Nicaragua for retention:

Accession Number	Scale	Size	Date	Class
504507	1:3,500,000	8 x 10	1980	U
504013	1:1,500,000	16 x 18	1979	U

This table is UNCLASSIFIED.

Briefing Maps

In many instances, maps are an essential part of an oral presentation. There are many types of maps used for briefing that illustrate visual description or show significant detail. Some maps are more suitable than others for this purpose. These maps were selected for this category because of their distinctive presentation of administrative divisions, major transportation routes, major cities, and size. (U)

CIA produces the following briefing maps of Nicaragua for retention:

Accession Number	Scale	Size	Date	Class
504508	1:3,500,000	8 x 10	1980	U
504012	1:1,500,000	16 x 25	1979	U

This table is UNCLASSIFIED.

Aeronautical Maps

These maps have special overprints and intelligence to monitor international air/ground tactical operation, operational planning, and training. They are essential to aerospace navigation of high-performance weapons systems. Other uses include visual and radio navigation, the monitoring of radio emissions and other electronic devices, plotting, mission planning, and intelligence briefings. (U)

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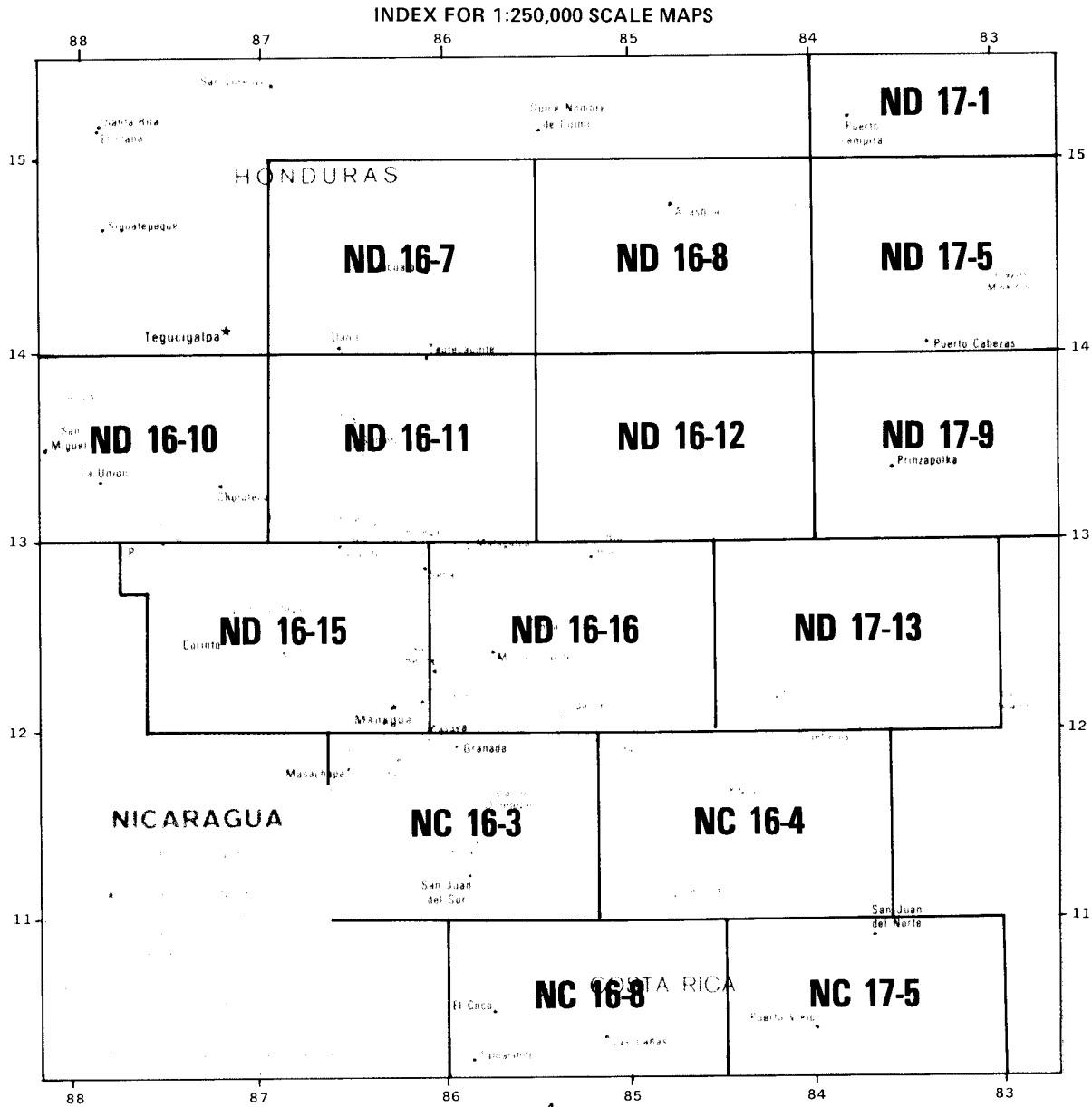
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Series	Sheet No.	Scale	Date	Class
Global Navigation Chart (GNC)	GNC-09	1:5,000,000	1982	U
Jet Navigation Chart (JNC)	JNC-61	1:2,000,000	1976	U
Operational Navigation Chart (ONC)	ONC K-25	1:1,000,000	1983	U
Tactical Pilotage Chart (TPC)	TPC K-25B	1:500,000	1983	U
	TPC K-25C	1:500,000	1983	U

This table is UNCLASSIFIED.

Topographic Maps

Topographic maps portray the shape and elevation of terrain, usually by contours or color shading. These maps also show major cities, transportation routes, and administrative divisions. Complete topographic map coverage of Nicaragua is available at various scales. (U)



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1:250,000 Scale Maps

The Defense Mapping Agency (DMA) produces three versions of the 1501-Joint Operations Graphic (JOG) Series of Nicaragua. Each version is identified in the lower margin of the map as Joint Operations Graphic (Air), Joint Operations Graphic (Ground) or Joint Operations Graphic (Radar). (S)

The JOG-Air series contains detailed information on air-related facilities such as runway lengths and patterns, radio facilities, and obstructions. Terrain elevation in each 15-minute quadrangle is identified by large open-faced figures shown in the legend. Elevations and contours are given in feet. (U)

The JOG-Ground series is prepared for use by ground units, and only stable or permanent air facilities are identified. Elevations and contours are located in the same position as on the air version, but are given in meters. (U)

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1:250,000 Scale Maps of Nicaragua:

<u>Sheet No.</u>	<u>JOG—Air Date</u>	<u>JOG—Ground Date</u>	<u>C300—30, 193018 Foreign-Produced Date</u>
NC16—03	1979	NP	1968
NC16—04	1981	NP	1972
NC16—08	1971	1970	NP ¹
NC17—05	1971	1970	NP
ND16—07	NP	NP	NP ²
ND16—08	NP	NP	1965 ³
ND16—10	1978	NP	NP ⁴
ND16—11	NP	1979	1968
ND16—12	NP	1977	1969
ND16—14	NP	NP	1967 ⁵
ND16—15	1979	1972	1969
ND16—16	1970	1967	1968
ND17—01	1980	1977	NP
ND17—05	1981	1977	1962
ND17—09	1970	1969	1968
ND17—13	1970	1969	1971

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NP = Not Produced

¹1981 available in the Mexico and Central America loan series C000—30, 281582.

²1984 available in the Mexico and Central America loan series C000—30, 281582.

³1984 also available in the Mexico and Central America loan series C000—30, 281582; and the sheet is also available in the Central America loan series C300—30, 193019 dated 1970.

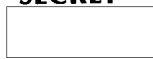
⁴1966 available in the Central America loan series C300—30, 193019.

⁵1961 available in the Central America loan series C300—30, 193019.

Notice: Later date map coverage of this sheet is available on the realigned sheet ND16—15.

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INDEX FOR 1:50,000 SCALE MAPS

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						IV	I	IV	I	IV	I	IV	I		
		3160				3260	3360	3460	3560	3660					
		II				III	II	III	II	III	II	III	II		
						IV	I	IV	I	IV	I	IV	I		
						3159	3259	3359	3459	3559	3652				
						III	II	III	II	III	II	III	II		
						IV	I	IV	I	IV	I	IV	I		
						3158	3258	3358	3458	3558	3658				
						III	II	III	II	III	II	III	II		
2958	3058	3058													
II	III	II													
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I	IV	I		
2957	3057	3157	3257	3357	3457	3557									
III	II	III	II	III	II	III	II	III	II	III	II				
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2956	3056	3156	3256	3356	3456	3556									
III	II	III	II	III	II	III	II	III	II	III	II				
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2955	3055	3155	3255	3355	3455	3555									
III	II	III	II	III	II	III	II	III	II	III	II	13			
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2954	3054	3154	3254	3354	3454	3554									
III	II	III	II	III	II	III	II	III	II	III	II				
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2953	3053	3153	3253	3353	3453	3553									
III	II	III	II	III	II	III	II	III	II	III	II				
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I	IV	I		
2952	3052	3152	3252	3352	3452	3552	3652								
III	II	III	II	III	II	III	II	III	II	III	II	III	II		
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2951	3051	3151	3251	3351	3451	3551									
III	II	III	II	III	II	III	II	III	II	III	II				
IV	I	IV	I	IV	I	IV	I	IV	I	IV	I				
2950	3050	3150	3250	3350	3450	3550									
II	III	II	III	II	III	II	III	II	III	II	III	II			
						IV	I	IV	I	IV	I	IV	I		
						3049	3149	3249	3349	3449	3549				
						III	II	III	II	III	II	III	II		
						3148	3248	3248	IV	I	IV	I	3548	3548	
						I	IV	I	III	II	III	II	IV	I	
										3348	3448				
										III	II	III	II		
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1:50,000 Scale Maps

<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305-30, 112164 Foreign-Produced Date</u>
2654-01	Cosiguina	E751-1965	1967
2654-02	Estero Padre Ramos	E751-1965	1961
2655-02	Potosi	E751-1972	1962
2753-01	Chinandega	E751-1980	1973
2753-02	Corinto	E751-1980	1972
2753-04	Aserradores	E751-1965	1967
2754-01	Puerto Morazan	E751-1965	1961
2754-02	Tonala	E751-1965	1962
2754-03	Peninsula Padre Ramos	E751-1965	1961
2754-04	Estero Real	E751-1961	1967
2851-01	Villa El Carmen	E751-1984	1961
2851-02	Masachapa	E751-1984	1961
2852-01	Nagarote	E751-1971	1971
2852-02	Soledad	E751-1971	1968
2852-04	Puerto Sandino	E751-1984	1972
2853-01	Malpaisillo	E751-1965	1975
2853-02	La Paz Centro	E751-1984	1974
2853-03	Leon	E751-1971	1973
2853-04	Telica	E751-1973	1974
2854-01	El Sauce	E751-1965	1961
2854-02	Larreynaga	E751-1965	1961
2854-03	Volcan Casita	E751-1965	1961
2854-04	Villanueva	E751-1965	1962
2855-01	San Juan de Limay	E751-1965	1962
2855-02	San Jose de Achuapa	E751-1965	1962
2855-03	Somotillo	E751-1965	1977
2855-04	Maria-Cinco Pinos	E751-1965	1963
2856-01	Macuelizo	E751-1965	1963
2856-02	Somoto	E751-1965	1963
2856-03	San Marcos de Colon	E752-1969	NP ⁶
2856-04	Morolica	E752-1969	NP ⁷
2857-02	Dipilto	E751-1965	1962
2857-03	San Lucas	E752-1966	NP ⁸
2950-01	Rio Escalante	E751-1984	1962
2950-02	Punta Santa Ana	E751-1984	1961
2950-04	Casares	E751-1975	1976
2951-01	Masaya	E751-1972	1973
2951-02	Nandaime	E751-1972	1974
2951-03	Buenvista del Socorro	E751-1979	1981
2951-04	San Rafael del Sur	E751-1962	1962
2952-01	Tipitapa	E751-1980	1981
2952-02	Managua (East)	E751-1971	1973
2952-03	Managua	E751-1984	1972
2952-04	Chiltepe	E751-1972	1972
2953-01	Las Playitas	E751-1965	1958
2953-02	Las Maderas	E751-1980	1981

NP - Not Produced

⁶1967 available in Honduras loan series C304-30, 188946.⁷1968 available in Honduras loan series C304-30, 188946.⁸1964 available in Honduras loan series C304-30, 188946.

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<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305-30, 112164 Foreign-Produced Date</u>
2953-03	Momotombito	E751-1965	1967
2953-04	Del Carnicero	E751-1975	1958
2954-01	Sebaco	E751-1965	1976
2954-02	Ciudad Dario	E751-1965	1954
2954-03	Santa Rosa del Penon	E751-1965	1961
2954-04	San Nicolas	E751-1965	1961
2955-01	San Rafael del Norte	E751-1967	1964
2955-02	Jinotega	E751-1965	1974
2955-03	Esteli	E751-1965	1963
2955-04	Rio Esteli	E751-1965	1963
2956-01	Quilali	E751-1970	1968
2956-02	La Pavona	E751-1970	1978
2956-03	Condega	E751-1965	1963
2956-04	Ocotal	E751-1965	1964
2957-01	Jalapa	E751-1965	1964
2957-02	El Jicaro	E751-1965	1963
2957-03	San Fernando	E751-1965	1963
2957-04	Jutiapa	E752-1966	NP ⁹
2958-02	Cifuentes	E752-1964	NP ¹⁰
3049-01	Penas Blancas	E751-1967	1965
3049-02	El Naranjo	E763-1961	1977
3049-03	Punta la Flor	E751-1975	1961
3049-04	San Juan del Sur	E751-1976	1978
3050-01	Volcan Concepcion	E751-1961	1961
3050-02	Volcan Maderas	E751-1984	1961
3050-03	Rivas	E751-1962	1962
3050-04	Belen	E751-1960	1962
3051-01	Puerto Diaz	E751-1984	1965
3051-02	NP	E751-NP	NP
3051-03	Isla Zapatera	E751-1972	1972
3051-04	Granada	E751-1972	1972
3052-01	Tecolostote	E751-1966	1960
3052-02	La Pelona	E751-1965	1960
3052-03	Malacatoya	E751-1970	1973
3052-04	Las Banderas	E751-1965	1960
3053-01	Santa Lucia	E751-1965	1959
3053-02	Boaco	E751-1965	1960
3053-03	Teustepe	E751-1965	1960
3053-04	Esquipulas	E751-1965	1956
3054-01	Pancasan	E751-1970	1975
3054-02	Muy Muy	E751-1975	1975
3054-03	Terrabona	E751-1965	1960
3054-04	Matagalpa	E751-1965	1961
3055-01	Macizos de Penas Blancas	E751-1965	1975
3055-02	Rio Tuma	E751-1981	1975

NP = Not Produced

⁹1963 available in Honduras loan series C304-30, 188946.¹⁰1980 available in Honduras loan series C304-30, 188946.

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<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305 - 30, 112164 Foreign-Produced Date</u>
3055-03	Rio Jiguina	E751-1965	1962
3055-04	Presa Mancotal	E751-1967	1962
3056-01	Cerro Kilambe	E751-1977	1977
3056-02	Valle Bocaycito	E751-NP	1975
3056-03	La Vigia	E751-1967	1968
3056-04	Wiwili	E751-1969	1967
3057-01	Cano Ulwaskin	E751-1970	1973
3057-02	Kininuwas	E751-1970	1973
3057-03	Cerro Chachagua	E751-1967	1964
3057-04	Rio Poteca	E751-1970	1975
3058-02	NP	E752-NP	NP
3149-01	Isla Mancarron	E751-NP	1965
3149-02	Colon	E751-1967	1979 ¹¹
3149-03	Orosi	E763-1967	NP ¹²
3149-04	Punta el Sabalo	E751-NP	1964
3150-01	Morrito	E751-NP	1970
3150-02	NP	E751-NP	NP
3150-03	La Palma	E751-1963	1961
3150-04	NP	E751-NP	NP
3151-01	Acoyapa	E751-NP	1964
3151-02	El Tamarindo	E751-1968	1970
3151-03	Estero Oropatene	E751-NP	1963
3151-04	San Ubaldo	E751-NP	1964
3152-01	La Libertad	E751-NP	1967
3152-02	Santo Tomas	E751-1969	1967
3152-03	Juigalpa	E751-1969	1967
3152-04	Caupa	E751-NP	1967
3153-01	Rio Quisaura	E751-1967	1965
3153-02	Cerro Chato	E751-1968	1967
3153-03	Rio Murra	E751-1968	1967
3153-04	Cerro el Congo	E751-1967	1964
3154-01	Cerro Musun	E751-1981	1975
3154-02	Bocana de Paiwas	E751-1967	1975
3154-03	Rio Saiz	E751-1981	1975
3154-04	Matiguas	E751-1975	1975
3155-01	Rio Iyas	E751-1969	1976
3155-02	Rio Wilike	E751-1969	1976
3155-03	Kuskawas	E751-1969	1974
3155-04	Rio Yaosca	E751-1969	1976
3156-01	Puerto Viejo	E751-1976	1972
3156-02	El Corozo	E751-1976	1976
3156-03	Carquita	E751-1967	1971
3156-04	Cerro Las Torres	E751-1975	1976
3157-01	Rio Amaka	E751-1973	1974
3157-02	Los Milagros	E751-1976	1975

NP = Not Produced

¹¹1965 available in Costa Rica loan series C302-30, 112165.¹²1966 available in Costa Rica loan series C302-30, 112165.

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1:50,000 Scale Maps

<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305 - 30, 112164 Foreign-Produced Date</u>
3157-03	Rio Bocay	E751-1977	1977
3157-04	Rio Wina	E751-1970	1973
3158-01	San Andres de Amaywas	E751-NP	1977
3158-02	Cerro Baba	E751-1973	1974
3158-03	San Matin	E751-NP	1977
3158-04	Cerro Ucapina	E752-NP	1977
3159-01	Raiti	E751-NP	1977
3159-02	Bocay	E751-NP	1978
3160-02	Rio Coco	E752-1970	1977
3249-01	Cerro el Pavon	E751-1967	1966
3249-02	Los Chiles	E751-1967	1966 ¹³
3249-03	San Carlos	E751-1967	1966
3249-04	Morrillo	E751-1967	1966
3250-01	San Rafael	E751-1970	1971
3250-02	Rio Camastro	E751-1967	1966
3250-03	San Miguelito	E751-NP	1966
3250-04	Rio Tepenaguasapa	E751-NP	1971
3251-01	El Chilamate	E751-1965	1964
3251-02	El Almendro	E751-1968	1971
3251-03	Quimichapa	E751-1968	1970
3251-04	Muhan	E751-1965	1964
3252-01	Cerro Campana	E751-1969	1967
3252-02	Muelle de los Bueyes	E751-1969	1967
3252-03	Villa Somoza	E751-1969	1967
3252-04	Rio Bulun	E751-1969	1967
3253-01	Nauawas	E751-1969	1966
3253-02	Rio Pilan	E751-1969	1967
3253-03	El Chile	E751-1969	1967
3253-04	El Cacao	E751-NP	1966
3254-01	Cerro Panturna	E751-1967	1965
3254-02	Rio Kurinwas	E751-1967	1965
3254-03	Rio la Toboba	E751-1967	1965
3254-04	Cerro Ubu	E751-1967	1977
3255-01	Cerro Vonta	E751-1966	1967
3255-02	San Pedro del Norte	E751-1969	1967
3255-03	Cerro la Sirena	E751-1969	1977
3255-04	Lisawe	E751-1969	1977
3256-01	Rio Yaoya	E751-1965	1972
3256-02	Rio Prinzapolka	E751-1966	1967
3256-03	Kuikuinita	E751-1977	1977
3256-04	Rio Labu	E751-NP	1971
3257-01	El Bosque	E751-1968	1972
3257-02	Coperna	E751-1977	1977
3257-03	Siuna	E751-1976	1976

NP = Not Produced

¹³1970 available in Costa Rica loan series C302-30, 112165.

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1:50,000 Scale Maps

<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305 - 30, 112164 Foreign-Produced Date</u>
3257 - 04	Uli	E751 - 1968	1977
3258 - 01	Rio Pis Pis	E751 - 1976	1977
3258 - 02	Bonanza	E751 - 1970	1974
3258 - 03	Rio Kaska	E751 - 1973	1974
3258 - 04	Cerro Piu	E751 - NP	1977
3259 - 01	Sang Sang	E751 - 1963	1972
3259 - 02	Rio Waspuk	E751 - 1968	1977
3259 - 03	Rio Lakus	E751 - 1976	1977
3259 - 04	Rio Umbra	E751 - 1967	1972
3260 - 01	Rio Rus Rus	E752 - 1970	NP ¹⁴
3260 - 02	Rio Lassa Tingne	E752 - 1970	NP ¹⁵
3260 - 03	Santa Isabel	E751 - 1963	1972 ¹⁶
3260 - 04	Rio Patuca/Rio Guampu	E752 - 1970	NP ¹⁷
3348 - 01	Cano Negro	E751 - 1967	1966
3348 - 02	Boca de San Carlos	E763 - 1967	1966 ¹⁸
3348 - 03	Infiernito	E763 - 1966	NP ¹⁹
3348 - 04	Poco Sol	E763 - 1966	1966 ²⁰
3349 - 01	Cerro Chiripa	E751 - 1967	1966
3349 - 02	Cerro la Guinea	E751 - 1967	1966
3349 - 03	El Castillo	E751 - 1967	1966
3349 - 04	Rio Sabalos	E751 - 1967	1966
3350 - 01	Atlanta	E751 - 1968	1970
3350 - 02	Rio Azua Zarca	E751 - 1967	1966
3350 - 03	Cano Chacalin	E751 - 1967	1966
3350 - 04	Rio el Almacen	E751 - 1970	1971
3351 - 01	Guadalupe	E751 - 1965	1964
3351 - 02	La Cruz	E751 - 1970	1971
3351 - 03	Nueva Guinea	E751 - 1969	1971
3351 - 04	Rio Rama	E751 - 1967	1964
3352 - 01	Cano Las Lapas	E751 - 1968	1966
3352 - 02	Rama	E751 - 1965	1964
3352 - 03	Rio Mico	E751 - 1967	1965
3352 - 04	La Esperanza	E751 - 1968	1967
3353 - 01	Cerro Wawasang	E751 - 1968	1967
3353 - 02	Cano Pichinga	E751 - 1969	1967
3353 - 03	Cerro Pinol	E751 - 1969	1967
3353 - 04	Rio Kukarawala	E751 - 1969	1967

NP = Not Produced

¹⁴1979 available in Honduras loan series C304 - 30, 188946.¹⁵1973 available in Honduras loan series C304 - 30, 188946. and 1967 also available in DMA series E763.¹⁶1972 also available in Honduras loan series C304 - 30, 188946.¹⁷1978 available in Honduras loan series C304 - 30, 188946.¹⁸1970 available in Costa Rica loan series C302 - 30, 112165.¹⁹1966 available in Costa Rica loan series C302 - 30, 112165.²⁰1970 available in Costa Rica loan series C302 - 30, 112165.

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1:50,000 Scale Maps

<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305-30, 112164 Foreign-Produced Date</u>
3354-01	Rio Pahara Tingni	E751-1967	1965
3354-02	Tortuguero	E751-1967	1965
3354-03	Cerro Waspado	E751-1967	1965
3354-04	Rio Karahola	E751-1967	1965
3355-01	Makantaka	E751-1966	1967
3355-02	La Cruz de Rio Grande	E751-1966	1967
3355-03	Tumarin	E751-1967	1967
3355-04	Tungla	E751-NP	1967
3356-01	Kakaubila	E751-1967	1968
3356-02	Alamikamba	E751-NP	1968
3356-03	Rio Wakna	E751-1966	1967
3356-04	La Palmera	E751-1966	1968
3357-01	Cerro Liwatakan	E751-1967	1969
3357-02	Rio Bambana	E751-1967	1968
3357-03	Bana Cruz	E751-1966	1977
3357-04	Rosita	E751-NP	1973
3358-01	Cerro Wakambay	E751-1969	1973
3358-02	Rio Kukalaya	E751-1968	1969
3358-03	Rio Okonwas	E751-1970	1969
3358-04	Boliva	E751-1970	1974
3359-01	La Tranquera	E751-1967	1969
3359-02	Aserrio Ocampo	E751-1967	1969
3359-03	Mina Santa Rosa	E751-1971	1976
3359-04	Payo Yumpa	E751-1969	1972
3360-01	Llanos de Itara	E752-1970	NP ²¹
3360-02	Cocalito	E752-1967	1970
3360-03	Rus Rus	E752-1970	1973
3360-04	Laguna Bismuna	E752-1978	1980
3448-01	San Juan del Norte	E751-1966	1965 ²²
3448-02	Colorado	E763-1967	1966
3448-03	Trinidad	E751-1966	1966 ²³
3448-04	Laguna Silico	E751-1967	1966
3449-03	Rio Indio	E751-1967	1966
3449-04	Barra del Rio Maiz	E751-1967	1966
3450-01	Monkey Point	E751-1969	1970
3450-03	Rio Pijibaye	E751-1967	1966
3450-04	Punta Gorda	E751-1969	1970
3451-01	El Bluff	E751-1965	1975
3451-02	Green Point	E751-1969	1970
3451-03	Rio Torsuani	E751-1969	1970
3451-04	Rama Cay	E751-1965	1964
3452-01	Curra Hill	E751-1968	1966
3452-02	Bahia de Bluefields	E751-1965	1964

NP = Not Produced

²¹1971 available in Honduras loan series C304-30, 188946.²²1970 available in Costa Rica loan series C302-30, 112165.²³1970 available in Costa Rica loan series C302-30, 112165.

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1:50,000 Scale Maps

<u>Sheet No.</u>	<u>Sheet Name</u>	<u>DMA Series Date</u>	<u>C305 - 30, 112164 Foreign-Produced Date</u>
3452-03	Bluefields	E751-1965	1964
3452-04	Rio Kama	E751-1968	1966
3453-01	Orinoco	E751-1967	1965
3453-02	Laguna De Perlas	E751-1968	1966
3453-03	Rio Nari	E751-1968	1966
3453-04	Cano Ceoba	E751-1968	1966
3454-01	Karawala	E751-1967	1965
3454-02	Tasbapauni	E751-1967	1965
3454-03	Rio Wawashan	E751-1967	1965
3454-04	Rio Kung Kung	E751-1967	1965
3455-01	Kuanwatla	E751-1967	1968
3455-02	Rio Sanglaya	E751-1967	1967
3455-03	Lagunas de Wankarlaya	E751-1967	1967
3455-04	Rio Lawira	E751-1967	1967
3456-01	Wounta	E751-1967	1968
3456-02	Prinzapolka	E751-1967	1967
3456-03	Rio Prinzapolka	E751-1967	1968
3456-04	Rio Layasiksa	E751-1967	1968
3457-01	Klingna	E751-1971	1969
3457-02	Haulover	E751-1971	1968
3457-03	Rio Yulutingni	E751-1967	1968
3457-04	Lapan	E751-1966	1969
3458-01	Auya Pihni	E751-1970	1969
3458-02	Yulu	E751-1970	1969
3458-03	Rio Akawas	E751-1967	1969
3458-04	Rio Tungla	E751-1969	1969
3459-01	Campamento Omega	E751-1967	1969
3459-02	Rio Likus	E751-1967	1969
3459-03	Auas Tingni	E751-1967	1969
3459-04	Slilmasia	E751-1967	1969
3460-01	Criquet Baican	E752-NP	NP ²⁴
3460-02	Kum	E751-1968	1969
3460-03	Waspam	E752-1969	1969
3460-04	Auca	E752-NP	NP ²⁵
3553-03	Set Net	E751-1968	1966
3556-04	NP	E751-NP	NP
3557-01	NP	E751-NP	NP
3557-03	NP	E751-NP	NP
3557-04	Wawa	E751-1971	1969
3558-02	NP	E751-NP	NP
3558-03	Puerto Cabezas	E751-1971	1969
3558-04	Tuara	E751-1970	1969
3559-02	Dakura	E751-1968	1969
3559-03	Nina Yari	E751-1968	1969
3559-04	Bip Kawan Tingni	E751-NP	1969
3560-01	Cabo Gracias a Dios	E751-1968	1968
3560-03	Bismuna	E751-NP	1968
3560-04	Laguna Bismuna	E751-1968	1969

NP - Not Produced

²⁴1970 available in Honduras series C304-30, 188946.²⁵1970 available in Honduras series C304-30, 188946.*This table is UNCLASSIFIED.*

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Thematic Maps

Thematic maps have a special purpose and usually emphasize a single topic. Their titles usually identify the topic(s) presented. (U)

Title	Call Number	Scale	Date	Class
Administrative				
Division Politica Territorial	C305.23.3,267655	1:1,340,000	1977	U
Region Atlantica Norte: Unidades Politico/ Administrativas	C305.23.3,260841	1:500,000	1977	U
Air				
Suitability for Airfields	C305.2,C20968	1:1,000,000	1962	C
Climate				
Isoyetas estimadas papa el periodo 1960–1978. Percipitacion promedio anual en milímetros	C305.9,288763	1:725,000	1982	C
Inland Waterways				
Levantamiento Hidrografico Lago de Managua (1978)	C305.8.14,288761	1:250,000	1982	C
Geology				
Geomorfologico Zelaya Sur	C305.22.3,284675	1:500,000	1981	U
Military				
Military Regions	C305.16,291036	NS	1983	U
Minerals				
De Concesiones mineras	C305.18,264898	1:1,000,000	1978	U
Ocean Waterways				
Cuba and Nicaragua Major Ports	C305.19,291546	1:15,000,000	1983	U
Physical				
Cuenca del Lago de Managua	C305.22,288762	1:725,000	1982	C
Cuenca del Lago de Nicaragua y Rio San Juan Hasta el Sitto San Isidro	C305.22,288764	NS	1980	C

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Title	Call Number	Scale	Date	Class
Power				
Sistema de distribucion	C305.24,264469	1:500,000	1978	U
Proyecto hidroelectrico Asturias, Desarrollo hidroelectrico Tuma-Viejo	C305.24,289307	1:55,000	1982	U
Railroads				
Existing routes, Nicaraguan Pacific RR	C305.25,187826	NS	1966	U
Ferrocarril del pacifico de Nicaragua	C305.25,211798	NS	1971	U
Resources				
Recursos forestales	C305.27,265003	1:500,000	1967	U
Roads				
Republica de Nicaragua	C305.28,275660	1:1,200,000	1980	U
Nicaragua	C305.28,264291	1:1,150,000	1978	U
Republica de Nicaragua	C305.28,286095	1:1,000,000	1982	U
Republica de Nicaragua sistema de transporte	C305.28,268489	1:500,000	1978	U
Red Vial de Nicaragua	C305.28,264464	1:500,000	1978	U
Soils				
Suelos Adecuados Para Riego y Recuperacion	C305.22.5,265001	1:500,000	1976	U
Uso Potencial de Los Suelos	C305.22.5,265002	1:500,000	1976	U
Telecommunications				
Telecommunications in Nicaragua	C305.29,232803	NS	1973	U
Transportation				
Region Atlantica Norte Infraestructura de Transporte	C305.32,260838	1:500,000	1977	U
Vegetation				
Densidad de poblacion	C305.21,268488	1:500,000	1978	U
Water Supply				
Managua water supply Engineering project IBRD 15546	C305.34,280483	1:125,000	1981	U
Cuenca del Lago de Nicaragua y Rio San Juan Hasta el Sittio San Isidro	C305.34,288764	NS	1980	C

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Hydrographic Charts

The Defense Mapping Agency Hydrographic/Topographic Center (DMAHTC) has produced nautical charts of Nicaragua coastal waters at various scales and dates. These navigational charts show soundings in fathoms and feet, major obstructions to navigation, and detailed coverage of ports. Also available are the DMAHTC *Sailing Directions*, detailed navigational information for the east and west coast of Nicaragua. (U)



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Embassy Maps

As a result of the American Embassy takeover in Iran and associated map requests in support of imagery exploitation requirements, the NPIC Map Library maintains a file of selected American Embassy compounds and building floor plans. A map of the US Embassy in Managua is contained in the files. (S)

POST REPORT

The NPIC Map Library maintains a file of the latest State Department Post Reports on American Embassies and other diplomatic missions worldwide. The most recent Post Report available on Nicaragua is dated November 1983. (U)

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Publications

A variety of reference documents exist which may be useful when working on an intelligence problem involving Nicaragua. The following publications were selected to facilitate research and are available only on a loan basis. (U)

Title/Description	Call Number	Date	Class
<i>Area Analysis of Nicaragua</i> (atlas)	C305.10,PO256315	1966	C
<i>Amphibious Area Study Nicaragua</i> (atlas)	C305.10,PO256313	1965	S
<i>Inventario Nacional de Recursos Físicos Centroamerica y Panama</i> (atlas)	C305.10,PO256792	1966	U

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Title/Description	Call Number	Date	Class
<i>Welcome To Nicaragua, Land of Lakes, Volcanoes and Sun</i> (guidebook)	C305.10,PO226768	1971	U
<i>Atlas de La Lucha de Liberacion Nacional</i> (atlas)	C305.10,PO276190	1980	U

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OUTLOOK: MAP PRODUCTION

Defense Mapping Agency (DMA) map production schedule for Central America, particularly Nicaragua, was changed recently as a result of Intelligence Community priorities. (S/NF)

DMA has scheduled for completion in FY 86 the following: Joint Operations Graphic (Air), Series 1501A; ND 16-11, ND 16-12, and ND 16-15. (S/NF)

Production of a new series (E001) 1:250,000 scale is scheduled for distribution by December 1984. There will be a total of seven sheets published in this series, and only three of them will cover Nicaragua (ND 16-10, ND 16-11 and ND 16-15). These are satellite-image maps showing the earth's surface as recorded in multispectral (multicolor) form by the LANDSAT 4 thematic mapper. They will be printed on the reverse of the Joint Operations Graphic (Ground), Series 1501G. (S/NF)

DMA has selected for expansion and revision Series E751, 1:50,000 scale topographic maps of Nicaragua. Nine sheets were completed in 1983, 52 were completed in 1984, and 20 more are scheduled for completion in FY 85. This series will be considered complete and have the the latest large-scale map coverage available. (S/NF)

The NPIC Map Library is continuing to work closely with the Cartography Center, Map Services Division, DMA, and other map producing agencies to procure the most current maps available in support of imagery exploitation requirements. (C)

REFERENCES

1. *Nicaragua—Post Report*, U.S. Department of State, Washington, D.C., November 1983 (U)
2. *The World Factbook, Nineteen Hundred and Eighty-Four*, Central Intelligence Agency, Washington, D.C., 1984 (U)
3. *The World Factbook, Classified Supplement, Nineteen Hundred and Eighty-Four*, Central Intelligence Agency, Washington, D.C., 1984 (SECRET/NOFORN)

RELATED DOCUMENTS

Information Please Almanac, 37th Ed., A&W Publishers Inc., New York, 1983 (U)

Nicaragua—Official Standard Names Gazetteer, U.S. Army Topography Command, Washington, D.C., 1976 (U)

The Stateman's Year-Book, 121st Ed., Macmillan Press, London, 1984-1985 (U)

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