PORT HARCOURT, NIGERIA

Regional Atlas

Climate for Port Harcourt, Nigeria

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Average High °C (°F)	32 (90)	33 (91)	33 (91)	32 (90)	31 (88)	30 (86)	30 (86)	29 (84)	29 (84)	30 (86)	31 (88)	32 (90)	31 (88)
Daily Mean °C (°F)	27 (80)	28 (82)	28 (82)	28 (82)	27 (81)	27 (81)	26 (79)	26 (79)	26 (79)	26 (79)	27 (81)	27 (81)	27 (81)
Average Low °C (°F)	21 (70)	23 (73)	23 (73)	23 (73)	23 (73)	23 (73)	22 (72)	22 (72)	22 (72)	22 (72)	22 (72)	21 (70)	22 (72)
Precipitation mm (inches)	29.0 (1.1)	62.0 (2.4)	136.0 (5.4)	188.0 (7.4)	235.0 (9.3)	288.0 (11.3)	345.0 (13.6)	302.0 (11.9)	367.0 (14.5)	246.0 (9.7)	76.0 (3.0)	20.0 (0.8)	2294.00 (90.31)
Avg. Precip. Days (≥ 0.1 mm)	2	5	9	12	14	17	20	20	21	16	6	2	144
Mean Monthly Sunshine Hours	143.0	123.0	115.0	132.0	140.0	102.0	78.0	74.0	78.0	102.0	132.0	149.0	1368.00

Sources: The Weather Network

Scheduled Direct Flights from Airports in Port Harcourt, Nigeria

Port Harcourt International Airport

Airline	Arriving Airport	Arriving Country
AEROCONTRACTORS	Abuja	Nigeria
	Lagos	Nigeria
AIR FRANCE	Abuja	Nigeria
	Paris Charles de Gaulle	France
ARIK AIR	Abuja	Nigeria
	Lagos	Nigeria
BRUSSELS AIRLINES	Lagos	Nigeria
CRONOSAIR	Malabo	Guinea
DANA AIRLINES	Abuja	Nigeria
	Lagos	Nigeria
DELTA AIR LINES	Abuja	Nigeria
KLM-ROYAL DUTCH AIRLINES	Abuja	Nigeria
LUFTHANSA GERMAN AIRLINES	Lagos	Nigeria
UNITED AIRLINES	Lagos	Nigeria
WESTLINK	Abuja	Nigeria
	Lagos	Nigeria

Source: Official Airline Guide (OAG), Aug 2014

Sunrise, Sunset, and Twilight Information: January–April

Port Harcourt, Nigeria

4° 48' 34" N 7° 00' 49" E

January

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:25	5:51	6:17	6:40	11 hrs, 51 min	18:31	18:54	19:20	19:46
2	5:26	5:52	6:18	6:40	11 hrs, 51 min	18:32	18:54	19:20	19:46
3	5:26	5:52	6:18	6:41	11 hrs, 51 min	18:32	18:55	19:21	19:47
4	5:27	5:53	6:19	6:41	11 hrs, 51 min	18:33	18:55	19:21	19:47
5	5:27	5:53	6:19	6:42	11 hrs, 51 min	18:33	18:55	19:21	19:47
6	5:28	5:54	6:20	6:42	11 hrs, 51 min	18:34	18:56	19:22	19:48
7	5:28	5:54	6:20	6:42	11 hrs, 52 min	18:34	18:56	19:22	19:48
8	5:29	5:55	6:20	6:43	11 hrs, 52 min	18:34	18:57	19:23	19:49
9	5:29	5:55	6:21	6:43	11 hrs, 52 min	18:35	18:57	19:23	19:49
10	5:29	5:55	6:21	6:44	11 hrs, 52 min	18:35	18:58	19:24	19:50
11	5:30	5:56	6:22	6:44	11 hrs, 52 min	18:36	18:58	19:24	19:50
12	5:30	5:56	6:22	6:44	11 hrs, 52 min	18:36	18:59	19:24	19:50
13	5:31	5:56	6:22	6:45	11 hrs, 52 min	18:37	18:59	19:25	19:51
14	5:31	5:57	6:23	6:45	11 hrs, 52 min	18:37	18:59	19:25	19:51
15	5:31	5:57	6:23	6:45	11 hrs, 52 min	18:38	19:00	19:26	19:51
16	5:32	5:58	6:23	6:45	11 hrs, 53 min	18:38	19:00	19:26	19:52
17	5:32	5:58	6:24	6:46	11 hrs, 53 min	18:38	19:01	19:26	19:52
18	5:33	5:58	6:24	6:46	11 hrs, 53 min	18:39	19:01	19:27	19:52
19	5:33	5:59	6:24	6:46	11 hrs, 53 min	18:39	19:01	19:27	19:52
20	5:33	5:59	6:24	6:46	11 hrs, 53 min	18:40	19:02	19:27	19:53
21	5:34	5:59	6:25	6:47	11 hrs, 53 min	18:40	19:02	19:28	19:53
22	5:34	5:59	6:25	6:47	11 hrs, 53 min	18:40	19:02	19:28	19:53
23	5:34	6:00	6:25	6:47	11 hrs, 54 min	18:41	19:03	19:28	19:54
24	5:34	6:00	6:25	6:47	11 hrs, 54 min	18:41	19:03	19:28	19:54
25	5:35	6:00	6:25	6:47	11 hrs, 54 min	18:41	19:03	19:29	19:54
26	5:35	6:00	6:26	6:48	11 hrs, 54 min	18:42	19:03	19:29	19:54
27	5:35	6:00	6:26	6:48	11 hrs, 54 min	18:42	19:04	19:29	19:54
28	5:35	6:01	6:26	6:48	11 hrs, 54 min	18:42	19:04	19:29	19:55
29	5:36	6:01	6:26	6:48	11 hrs, 55 min	18:42	19:04	19:29	19:55
30	5:36	6:01	6:26	6:48	11 hrs, 55 min	18:43	19:04	19:30	19:55
31	5:36	6:01	6:26	6:48	11 hrs, 55 min	18:43	19:05	19:30	19:55

March

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:34	5:59	6:23	6:44	12 hrs, 2 min	18:45	19:06	19:30	19:55
2	5:34	5:58	6:22	6:43	12 hrs, 2 min	18:45	19:06	19:30	19:54
3	5:34	5:58	6:22	6:43	12 hrs, 2 min	18:45	19:06	19:30	19:54
4	5:33	5:58	6:22	6:43	12 hrs, 2 min	18:45	19:06	19:30	19:54
5	5:33	5:57	6:22	6:42	12 hrs, 3 min	18:45	19:06	19:30	19:54
6	5:33	5:57	6:21	6:42	12 hrs, 3 min	18:45	19:06	19:30	19:54
7	5:32	5:57	6:21	6:42	12 hrs, 3 min	18:45	19:05	19:30	19:54
8	5:32	5:56	6:20	6:41	12 hrs, 3 min	18:45	19:05	19:30	19:54
9	5:32	5:56	6:20	6:41	12 hrs, 4 min	18:44	19:05	19:29	19:53
10	5:31	5:56	6:20	6:41	12 hrs, 4 min	18:44	19:05	19:29	19:53
11	5:31	5:55	6:19	6:40	12 hrs, 4 min	18:44	19:05	19:29	19:53
12	5:31	5:55	6:19	6:40	12 hrs, 4 min	18:44	19:05	19:29	19:53
13	5:30	5:54	6:19	6:39	12 hrs, 5 min	18:44	19:05	19:29	19:53
14	5:30	5:54	6:18	6:39	12 hrs, 5 min	18:44	19:05	19:29	19:53
15	5:30	5:54	6:18	6:39	12 hrs, 5 min	18:44	19:04	19:28	19:53
16	5:29	5:53	6:17	6:38	12 hrs, 5 min	18:43	19:04	19:28	19:52
17	5:29	5:53	6:17	6:38	12 hrs, 6 min	18:43	19:04	19:28	19:52
18	5:28	5:52	6:17	6:37	12 hrs, 6 min	18:43	19:04	19:28	19:52
19	5:28	5:52	6:16	6:37	12 hrs, 6 min	18:43	19:04	19:28	19:52
20	5:27	5:52	6:16	6:36	12 hrs, 6 min	18:43	19:04	19:28	19:52
21	5:27	5:51	6:15	6:36	12 hrs, 7 min	18:43	19:03	19:27	19:52
22	5:27	5:51	6:15	6:36	12 hrs, 7 min	18:42	19:03	19:27	19:51
23	5:26	5:50	6:14	6:35	12 hrs, 7 min	18:42	19:03	19:27	19:51
24	5:26	5:50	6:14	6:35	12 hrs, 7 min	18:42	19:03	19:27	19:51
25	5:25	5:49	6:13	6:34	12 hrs, 8 min	18:42	19:03	19:27	19:51
26	5:25	5:49	6:13	6:34	12 hrs, 8 min	18:42	19:03	19:27	19:51
27	5:24	5:48	6:13	6:33	12 hrs, 8 min	18:42	19:02	19:27	19:51
28	5:24	5:48	6:12	6:33	12 hrs, 9 min	18:41	19:02	19:26	19:51
29	5:23	5:48	6:12	6:33	12 hrs, 9 min	18:41	19:02	19:26	19:50
30	5:23	5:47	6:11	6:32	12 hrs, 9 min	18:41	19:02	19:26	19:50
31	5:22	5:47	6:11	6:32	12 hrs, 9 min	18:41	19:02	19:26	19:50

February

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:36	6:01	6:26	6:48	11 hrs, 55 min	18:43	19:05	19:30	19:55
2	5:36	6:01	6:26	6:48	11 hrs, 55 min	18:43	19:05	19:30	19:55
3	5:36	6:01	6:26	6:48	11 hrs, 56 min	18:44	19:05	19:30	19:55
4	5:36	6:01	6:26	6:48	11 hrs, 56 min	18:44	19:05	19:30	19:55
5	5:37	6:01	6:26	6:48	11 hrs, 56 min	18:44	19:06	19:31	19:55
6	5:37	6:02	6:26	6:48	11 hrs, 56 min	18:44	19:06	19:31	19:56
7	5:37	6:02	6:26	6:48	11 hrs, 56 min	18:44	19:06	19:31	19:56
8	5:37	6:02	6:26	6:48	11 hrs, 57 min	18:45	19:06	19:31	19:56
9	5:37	6:02	6:26	6:48	11 hrs, 57 min	18:45	19:06	19:31	19:56
10	5:37	6:02	6:26	6:48	11 hrs, 57 min	18:45	19:06	19:31	19:56
11	5:37	6:02	6:26	6:48	11 hrs, 57 min	18:45	19:06	19:31	19:56
12	5:37	6:01	6:26	6:48	11 hrs, 57 min	18:45	19:06	19:31	19:56
13	5:37	6:01	6:26	6:47	11 hrs, 58 min	18:45	19:06	19:31	19:56
14	5:37	6:01	6:26	6:47	11 hrs, 58 min	18:45	19:06	19:31	19:56
15	5:37	6:01	6:26	6:47	11 hrs, 58 min	18:45	19:07	19:31	19:56
16	5:37	6:01	6:26	6:47	11 hrs, 58 min	18:45	19:07	19:31	19:56
17	5:36	6:01	6:26	6:47	11 hrs, 59 min	18:45	19:07	19:31	19:56
18	5:36	6:01	6:25	6:47	11 hrs, 59 min	18:45	19:07	19:31	19:56
19	5:36	6:01	6:25	6:46	11 hrs, 59 min	18:45	19:07	19:31	19:56
20	5:36	6:01	6:25	6:46	11 hrs, 59 min	18:45	19:07	19:31	19:55
21	5:36	6:00	6:25	6:46	12 hrs, 0 min	18:45	19:07	19:31	19:55
22	5:36	6:00	6:25	6:46	12 hrs, 0 min	18:45	19:07	19:31	19:55
23	5:36	6:00	6:24	6:45	12 hrs, 0 min	18:45	19:06	19:31	19:55
24	5:35	6:00	6:24	6:45	12 hrs, 0 min	18:45	19:06	19:31	19:55
25	5:35	6:00	6:24	6:45	12 hrs, 1 min	18:45	19:06	19:31	19:55
26	5:35	5:59	6:24	6:45	12 hrs, 1 min	18:45	19:06	19:31	19:55
27	5:35	5:59	6:23	6:44	12 hrs, 1 min	18:45	19:06	19:31	19:55
28	5:35	5:59	6:23	6:44	12 hrs, 1 min	18:45	19:06	19:30	19:55

April

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:22	5:46	6:10	6:31	12 hrs, 10 min	18:41	19:02	19:26	19:50
2	5:22	5:46	6:10	6:31	12 hrs, 10 min	18:41	19:01	19:26	19:50
3	5:21	5:45	6:10	6:30	12 hrs, 10 min	18:40	19:01	19:26	19:50
4	5:21	5:45	6:09	6:30	12 hrs, 10 min	18:40	19:01	19:25	19:50
5	5:20	5:44	6:09	6:29	12 hrs, 11 min	18:40	19:01	19:25	19:50
6	5:20	5:44	6:08	6:29	12 hrs, 11 min	18:40	19:01	19:25	19:50
7	5:19	5:43	6:08	6:29	12 hrs, 11 min	18:40	19:01	19:25	19:49
8	5:19	5:43	6:07	6:28	12 hrs, 11 min	18:40	19:01	19:25	19:49
9	5:18	5:43	6:07	6:28	12 hrs, 12 min	18:40	19:01	19:25	19:49
10	5:18	5:42	6:06	6:27	12 hrs, 12 min	18:39	19:00	19:25	19:49
11	5:17	5:42	6:06	6:27	12 hrs, 12 min	18:39	19:00	19:25	19:49
12	5:17	5:41	6:06	6:27	12 hrs, 13 min	18:39	19:00	19:25	19:49
13	5:16	5:41	6:05	6:26	12 hrs, 13 min	18:39	19:00	19:25	19:49
14	5:16	5:40	6:05	6:26	12 hrs, 13 min	18:39	19:00	19:24	19:49
15	5:15	5:40	6:04	6:25	12 hrs, 13 min	18:39	19:00	19:24	19:49
16	5:15	5:40	6:04	6:25	12 hrs, 14 min	18:39	19:00	19:24	19:49
17	5:14	5:39	6:04	6:25	12 hrs, 14 min	18:39	19:00	19:24	19:49
18	5:14	5:39	6:03	6:24	12 hrs, 14 min	18:38	19:00	19:24	19:49
19	5:14	5:38	6:03	6:24	12 hrs, 14 min	18:38	19:00	19:24	19:49
20	5:13	5:38	6:03	6:24	12 hrs, 15 min	18:38	18:59	19:24	19:49
21	5:13	5:37	6:02	6:23	12 hrs, 15 min	18:38	18:59	19:24	19:49
22	5:12	5:37	6:02	6:23	12 hrs, 15 min	18:38	18:59	19:24	19:49
23	5:12	5:37	6:01	6:23	12 hrs, 15 min	18:38	18:59	19:24	19:49
24	5:11	5:36	6:01	6:22	12 hrs, 16 min	18:38	18:59	19:24	19:49
25	5:11	5:36	6:01	6:22	12 hrs, 16 min	18:38	18:59	19:24	19:49
26	5:11	5:36	6:00	6:22	12 hrs, 16 min	18:38	18:59	19:24	19:49
27	5:10	5:35	6:00	6:22	12 hrs, 16 min	18:38	18:59	19:24	19:49
28	5:10	5:35	6:00	6:21	12 hrs, 17 min	18:38	18:59	19:24	19:49
29	5:09	5:35	6:00	6:21	12 hrs, 17 min	18:38	18:59	19:24	19:49
30	5:09	5:34	5:59	6:21	12 hrs, 17 min	18:38	18:59	19:24	19:49

Daylight Saving Time is not observed in this location.

Civil Twilight is defined as the time when the sun is 6° or less below the horizon. Objects can be distinguished, but additional light is generally needed to read outside.

Nautical Twilight is defined as the time when the sun is 6° to 12° below the horizon. Objects are difficult to make out. This is often referred to as "first light" and "nightfall."

Astronomical Twilight is defined as the time when the sun is 12° to 18° below the horizon. The sky is almost totally dark. In ideal conditions, all but the dimmest stars are visible.

Sunrise, Sunset, and Twilight Information: May–August

Port Harcourt, Nigeria

4° 48' 34" N 7° 00' 49" E

May

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:09	5:34	5:59	6:21	12 hrs, 17 min	18:38	18:59	19:24	19:50
2	5:08	5:34	5:59	6:20	12 hrs, 17 min	18:38	18:59	19:24	19:50
3	5:08	5:33	5:58	6:20	12 hrs, 18 min	18:38	18:59	19:25	19:50
4	5:08	5:33	5:58	6:20	12 hrs, 18 min	18:38	18:59	19:25	19:50
5	5:07	5:33	5:58	6:20	12 hrs, 18 min	18:38	18:59	19:25	19:50
6	5:07	5:33	5:58	6:19	12 hrs, 18 min	18:38	19:00	19:25	19:50
7	5:07	5:32	5:58	6:19	12 hrs, 19 min	18:38	19:00	19:25	19:50
8	5:07	5:32	5:57	6:19	12 hrs, 19 min	18:38	19:00	19:25	19:51
9	5:06	5:32	5:57	6:19	12 hrs, 19 min	18:38	19:00	19:25	19:51
10	5:06	5:32	5:57	6:19	12 hrs, 19 min	18:38	19:00	19:25	19:51
11	5:06	5:31	5:57	6:19	12 hrs, 19 min	18:38	19:00	19:25	19:51
12	5:05	5:31	5:57	6:19	12 hrs, 20 min	18:38	19:00	19:26	19:51
13	5:05	5:31	5:56	6:18	12 hrs, 20 min	18:38	19:00	19:26	19:51
14	5:05	5:31	5:56	6:18	12 hrs, 20 min	18:38	19:00	19:26	19:52
15	5:05	5:31	5:56	6:18	12 hrs, 20 min	18:38	19:00	19:26	19:52
16	5:05	5:30	5:56	6:18	12 hrs, 20 min	18:39	19:01	19:26	19:52
17	5:04	5:30	5:56	6:18	12 hrs, 21 min	18:39	19:01	19:26	19:52
18	5:04	5:30	5:56	6:18	12 hrs, 21 min	18:39	19:01	19:27	19:53
19	5:04	5:30	5:56	6:18	12 hrs, 21 min	18:39	19:01	19:27	19:53
20	5:04	5:30	5:56	6:18	12 hrs, 21 min	18:39	19:01	19:27	19:53
21	5:04	5:30	5:56	6:18	12 hrs, 21 min	18:39	19:01	19:27	19:53
22	5:04	5:30	5:56	6:18	12 hrs, 22 min	18:39	19:02	19:27	19:54
23	5:04	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:02	19:28	19:54
24	5:04	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:02	19:28	19:54
25	5:03	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:02	19:28	19:54
26	5:03	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:02	19:28	19:55
27	5:03	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:03	19:29	19:55
28	5:03	5:30	5:56	6:18	12 hrs, 22 min	18:40	19:03	19:29	19:55
29	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:41	19:03	19:29	19:55
30	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:41	19:03	19:29	19:56
31	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:41	19:03	19:30	19:56

July

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:08	5:35	6:01	6:24	12 hrs, 24 min	18:48	19:10	19:37	20:03
2	5:08	5:35	6:01	6:24	12 hrs, 24 min	18:48	19:10	19:37	20:03
3	5:09	5:35	6:02	6:24	12 hrs, 24 min	18:48	19:11	19:37	20:04
4	5:09	5:35	6:02	6:24	12 hrs, 24 min	18:48	19:11	19:37	20:04
5	5:09	5:36	6:02	6:25	12 hrs, 24 min	18:48	19:11	19:37	20:04
6	5:09	5:36	6:02	6:25	12 hrs, 23 min	18:48	19:11	19:37	20:04
7	5:10	5:36	6:03	6:25	12 hrs, 23 min	18:48	19:11	19:37	20:04
8	5:10	5:36	6:03	6:25	12 hrs, 23 min	18:49	19:11	19:37	20:04
9	5:10	5:37	6:03	6:25	12 hrs, 23 min	18:49	19:11	19:37	20:04
10	5:10	5:37	6:03	6:26	12 hrs, 23 min	18:49	19:11	19:37	20:04
11	5:11	5:37	6:03	6:26	12 hrs, 23 min	18:49	19:11	19:38	20:04
12	5:11	5:37	6:04	6:26	12 hrs, 23 min	18:49	19:11	19:38	20:04
13	5:11	5:38	6:04	6:26	12 hrs, 23 min	18:49	19:11	19:38	20:04
14	5:11	5:38	6:04	6:26	12 hrs, 23 min	18:49	19:11	19:38	20:04
15	5:12	5:38	6:04	6:27	12 hrs, 22 min	18:49	19:11	19:38	20:04
16	5:12	5:38	6:04	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:04
17	5:12	5:39	6:05	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:04
18	5:13	5:39	6:05	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:04
19	5:13	5:39	6:05	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:04
20	5:13	5:39	6:05	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:03
21	5:13	5:39	6:05	6:27	12 hrs, 22 min	18:49	19:11	19:37	20:03
22	5:13	5:40	6:05	6:28	12 hrs, 21 min	18:49	19:11	19:37	20:03
23	5:14	5:40	6:06	6:28	12 hrs, 21 min	18:49	19:11	19:37	20:03
24	5:14	5:40	6:06	6:28	12 hrs, 21 min	18:49	19:11	19:37	20:03
25	5:14	5:40	6:06	6:28	12 hrs, 21 min	18:49	19:11	19:37	20:03
26	5:14	5:40	6:06	6:28	12 hrs, 21 min	18:49	19:11	19:37	20:02
27	5:15	5:40	6:06	6:28	12 hrs, 21 min	18:49	19:11	19:36	20:02
28	5:15	5:41	6:06	6:28	12 hrs, 20 min	18:49	19:11	19:36	20:02
29	5:15	5:41	6:06	6:28	12 hrs, 20 min	18:48	19:10	19:36	20:02
30	5:15	5:41	6:06	6:28	12 hrs, 20 min	18:48	19:10	19:36	20:02
31	5:15	5:41	6:06	6:28	12 hrs, 20 min	18:48	19:10	19:36	20:01

June

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:41	19:04	19:30	19:56
2	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:41	19:04	19:30	19:57
3	5:03	5:30	5:56	6:18	12 hrs, 23 min	18:42	19:04	19:30	19:57
4	5:03	5:30	5:56	6:19	12 hrs, 23 min	18:42	19:04	19:31	19:57
5	5:03	5:30	5:56	6:19	12 hrs, 23 min	18:42	19:05	19:31	19:57
6	5:03	5:30	5:56	6:19	12 hrs, 23 min	18:42	19:05	19:31	19:58
7	5:03	5:30	5:56	6:19	12 hrs, 24 min	18:42	19:05	19:31	19:58
8	5:04	5:30	5:57	6:19	12 hrs, 24 min	18:43	19:05	19:32	19:58
9	5:04	5:30	5:57	6:19	12 hrs, 24 min	18:43	19:06	19:32	19:59
10	5:04	5:30	5:57	6:19	12 hrs, 24 min	18:43	19:06	19:32	19:59
11	5:04	5:31	5:57	6:20	12 hrs, 24 min	18:43	19:06	19:32	19:59
12	5:04	5:31	5:57	6:20	12 hrs, 24 min	18:44	19:06	19:33	19:59
13	5:04	5:31	5:57	6:20	12 hrs, 24 min	18:44	19:07	19:33	20:00
14	5:04	5:31	5:57	6:20	12 hrs, 24 min	18:44	19:07	19:33	20:00
15	5:04	5:31	5:58	6:20	12 hrs, 24 min	18:44	19:07	19:33	20:00
16	5:05	5:31	5:58	6:21	12 hrs, 24 min	18:45	19:07	19:34	20:00
17	5:05	5:32	5:58	6:21	12 hrs, 24 min	18:45	19:07	19:34	20:01
18	5:05	5:32	5:58	6:21	12 hrs, 24 min	18:45	19:08	19:34	20:01
19	5:05	5:32	5:58	6:21	12 hrs, 24 min	18:45	19:08	19:34	20:01
20	5:05	5:32	5:59	6:21	12 hrs, 24 min	18:45	19:08	19:35	20:01
21	5:06	5:32	5:59	6:22	12 hrs, 24 min	18:46	19:08	19:35	20:02
22	5:06	5:33	5:59	6:22	12 hrs, 24 min	18:46	19:09	19:35	20:02
23	5:06	5:33	5:59	6:22	12 hrs, 24 min	18:46	19:09	19:35	20:02
24	5:06	5:33	6:00	6:22	12 hrs, 24 min	18:46	19:09	19:35	20:02
25	5:06	5:33	6:00	6:22	12 hrs, 24 min	18:47	19:09	19:36	20:02
26	5:07	5:33	6:00	6:23	12 hrs, 24 min	18:47	19:09	19:36	20:03
27	5:07	5:34	6:00	6:23	12 hrs, 24 min	18:47	19:10	19:36	20:03
28	5:07	5:34	6:00	6:23	12 hrs, 24 min	18:47	19:10	19:36	20:03
29	5:07	5:34	6:01	6:23	12 hrs, 24 min	18:47	19:10	19:36	20:03
30	5:08	5:34	6:01	6:24	12 hrs, 24 min	18:47	19:10	19:37	20:03

August

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:15	5:41	6:07	6:28	12 hrs, 20 min	18:48	19:10	19:35	20:01
2	5:16	5:41	6:07	6:28	12 hrs, 19 min	18:48	19:10	19:35	20:01
3	5:16	5:41	6:07	6:28	12 hrs, 19 min	18:48	19:09	19:35	20:00
4	5:16	5:41	6:07	6:29	12 hrs, 19 min	18:47	19:09	19:35	20:00
5	5:16	5:41	6:07	6:29	12 hrs, 19 min	18:47	19:09	19:34	20:00
6	5:16	5:42	6:07	6:29	12 hrs, 19 min	18:47	19:09	19:34	19:59
7	5:16	5:42	6:07	6:29	12 hrs, 18 min	18:47	19:08	19:34	19:59
8	5:16	5:42	6:07	6:29	12 hrs, 18 min	18:47	19:08	19:33	19:59
9	5:16	5:42	6:07	6:28	12 hrs, 18 min	18:46	19:08	19:33	19:58
10	5:16	5:42	6:07	6:28	12 hrs, 18 min	18:46	19:08	19:33	19:58
11	5:17	5:42	6:07	6:28	12 hrs, 17 min	18:46	19:07	19:32	19:58
12	5:17	5:42	6:07	6:28	12 hrs, 17 min	18:46	19:07	19:32	19:57
13	5:17	5:42	6:07	6:28	12 hrs, 17 min	18:45	19:07	19:32	19:57
14	5:17	5:42	6:07	6:28	12 hrs, 17 min	18:45	19:06	19:31	19:56
15	5:17	5:42	6:07	6:28	12 hrs, 16 min	18:45	19:06	19:31	19:56
16	5:17	5:42	6:07	6:28	12 hrs, 16 min	18:44	19:06	19:31	19:56
17	5:17	5:42	6:07	6:28	12 hrs, 16 min	18:44	19:05	19:30	19:55
18	5:17	5:42	6:07	6:28	12 hrs, 16 min	18:44	19:05	19:30	19:55
19	5:17	5:42	6:06	6:28	12 hrs, 16 min	18:43	19:05	19:29	19:54
20	5:17	5:42	6:06	6:28	12 hrs, 15 min	18:43	19:04	19:29	19:54
21	5:17	5:42	6:06	6:28	12 hrs, 15 min	18:43	19:04	19:29	19:53
22	5:17	5:42	6:06	6:27	12 hrs, 15 min	18:42	19:03	19:28	19:53
23	5:17	5:41	6:06	6:27	12 hrs, 15 min	18:42	19:03	19:28	19:52
24	5:17	5:41	6:06	6:27	12 hrs, 14 min	18:41	19:03	19:27	19:52
25	5:17	5:41	6:06	6:27	12 hrs, 14 min	18:41	19:02	19:27	19:51
26	5:17	5:41	6:06	6:27	12 hrs, 14 min	18:41	19:02	19:26	19:51
27	5:16	5:41	6:06	6:27	12 hrs, 14 min	18:40	19:01	19:26	19:50
28	5:16	5:41	6:05	6:27	12 hrs, 13 min	18:40	19:01	19:25	19:50
29	5:16	5:41	6:05	6:26	12 hrs, 13 min	18:39	19:00	19:25	19:49
30	5:16	5:41	6:05	6:26	12 hrs, 13 min	18:39	19:00	19:24	19:49
31	5:16	5:41	6:05	6:26	12 hrs, 12 min	18:39	19:00	19:24	19:48

Daylight Saving Time is not observed in this location.

Civil Twilight is defined as the time when the sun is 6° or less below the horizon. Objects can be distinguished, but additional light is generally needed to read outside.

Nautical Twilight is defined as the time when the sun is 6° to 12° below the horizon. Objects are difficult to make out. This is often referred to as "first light" and "nightfall."

Astronomical Twilight is defined as the time when the sun is 12° to 18° below the horizon. The sky is almost totally dark. In ideal conditions, all but the dimmest stars are visible.

Sunrise, Sunset, and Twilight Information: September–December

Port Harcourt, Nigeria

4° 48' 34" N 7° 00' 49" E

September

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:16	5:40	6:05	6:26	12 hrs, 12 min	18:38	18:59	19:23	19:48
2	5:16	5:40	6:05	6:26	12 hrs, 12 min	18:38	18:59	19:23	19:47
3	5:16	5:40	6:05	6:25	12 hrs, 12 min	18:37	18:58	19:22	19:47
4	5:16	5:40	6:04	6:25	12 hrs, 11 min	18:37	18:58	19:22	19:46
5	5:16	5:40	6:04	6:25	12 hrs, 11 min	18:36	18:57	19:21	19:46
6	5:15	5:40	6:04	6:25	12 hrs, 11 min	18:36	18:57	19:21	19:45
7	5:15	5:40	6:04	6:25	12 hrs, 11 min	18:35	18:56	19:20	19:45
8	5:15	5:39	6:04	6:24	12 hrs, 10 min	18:35	18:56	19:20	19:44
9	5:15	5:39	6:03	6:24	12 hrs, 10 min	18:34	18:55	19:19	19:44
10	5:15	5:39	6:03	6:24	12 hrs, 10 min	18:34	18:55	19:19	19:43
11	5:15	5:39	6:03	6:24	12 hrs, 10 min	18:33	18:54	19:18	19:43
12	5:14	5:39	6:03	6:24	12 hrs, 9 min	18:33	18:54	19:18	19:42
13	5:14	5:38	6:03	6:23	12 hrs, 9 min	18:32	18:53	19:17	19:42
14	5:14	5:38	6:02	6:23	12 hrs, 9 min	18:32	18:53	19:17	19:41
15	5:14	5:38	6:02	6:23	12 hrs, 9 min	18:32	18:52	19:16	19:41
16	5:14	5:38	6:02	6:23	12 hrs, 8 min	18:31	18:52	19:16	19:40
17	5:13	5:38	6:02	6:22	12 hrs, 8 min	18:31	18:51	19:15	19:40
18	5:13	5:37	6:01	6:22	12 hrs, 8 min	18:30	18:51	19:15	19:39
19	5:13	5:37	6:01	6:22	12 hrs, 8 min	18:30	18:50	19:14	19:39
20	5:13	5:37	6:01	6:22	12 hrs, 7 min	18:29	18:50	19:14	19:38
21	5:13	5:37	6:01	6:22	12 hrs, 7 min	18:29	18:49	19:13	19:38
22	5:12	5:37	6:01	6:21	12 hrs, 7 min	18:28	18:49	19:13	19:37
23	5:12	5:36	6:00	6:21	12 hrs, 6 min	18:28	18:48	19:12	19:37
24	5:12	5:36	6:00	6:21	12 hrs, 6 min	18:27	18:48	19:12	19:36
25	5:12	5:36	6:00	6:21	12 hrs, 6 min	18:27	18:47	19:11	19:36
26	5:12	5:36	6:00	6:20	12 hrs, 6 min	18:26	18:47	19:11	19:35
27	5:11	5:35	6:00	6:20	12 hrs, 5 min	18:26	18:46	19:11	19:35
28	5:11	5:35	5:59	6:20	12 hrs, 5 min	18:25	18:46	19:10	19:34
29	5:11	5:35	5:59	6:20	12 hrs, 5 min	18:25	18:46	19:10	19:34
30	5:11	5:35	5:59	6:20	12 hrs, 5 min	18:24	18:45	19:09	19:33

November

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:06	5:31	5:56	6:17	11 hrs, 57 min	18:14	18:35	19:00	19:25
2	5:06	5:31	5:56	6:17	11 hrs, 57 min	18:14	18:35	19:00	19:25
3	5:06	5:31	5:56	6:17	11 hrs, 57 min	18:14	18:35	19:00	19:25
4	5:06	5:31	5:56	6:17	11 hrs, 56 min	18:14	18:35	19:00	19:25
5	5:06	5:31	5:56	6:17	11 hrs, 56 min	18:14	18:35	19:00	19:25
6	5:06	5:31	5:56	6:18	11 hrs, 56 min	18:14	18:35	19:00	19:25
7	5:06	5:31	5:56	6:18	11 hrs, 56 min	18:14	18:35	19:00	19:25
8	5:06	5:31	5:56	6:18	11 hrs, 56 min	18:13	18:35	19:00	19:25
9	5:06	5:31	5:56	6:18	11 hrs, 55 min	18:13	18:35	19:00	19:25
10	5:06	5:31	5:57	6:18	11 hrs, 55 min	18:13	18:35	19:00	19:25
11	5:06	5:32	5:57	6:18	11 hrs, 55 min	18:13	18:35	19:00	19:26
12	5:07	5:32	5:57	6:19	11 hrs, 55 min	18:13	18:35	19:00	19:26
13	5:07	5:32	5:57	6:19	11 hrs, 55 min	18:14	18:35	19:01	19:26
14	5:07	5:32	5:57	6:19	11 hrs, 54 min	18:14	18:35	19:01	19:26
15	5:07	5:32	5:58	6:19	11 hrs, 54 min	18:14	18:35	19:01	19:26
16	5:07	5:32	5:58	6:20	11 hrs, 54 min	18:14	18:36	19:01	19:26
17	5:07	5:33	5:58	6:20	11 hrs, 54 min	18:14	18:36	19:01	19:27
18	5:07	5:33	5:58	6:20	11 hrs, 54 min	18:14	18:36	19:01	19:27
19	5:08	5:33	5:59	6:21	11 hrs, 54 min	18:14	18:36	19:02	19:27
20	5:08	5:33	5:59	6:21	11 hrs, 53 min	18:14	18:36	19:02	19:27
21	5:08	5:34	5:59	6:21	11 hrs, 53 min	18:14	18:36	19:02	19:28
22	5:08	5:34	5:59	6:21	11 hrs, 53 min	18:15	18:37	19:02	19:28
23	5:09	5:34	6:00	6:22	11 hrs, 53 min	18:15	18:37	19:03	19:28
24	5:09	5:34	6:00	6:22	11 hrs, 53 min	18:15	18:37	19:03	19:28
25	5:09	5:35	6:00	6:23	11 hrs, 53 min	18:15	18:37	19:03	19:29
26	5:09	5:35	6:01	6:23	11 hrs, 53 min	18:15	18:38	19:03	19:29
27	5:10	5:35	6:01	6:23	11 hrs, 52 min	18:16	18:38	19:04	19:29
28	5:10	5:36	6:01	6:24	11 hrs, 52 min	18:16	18:38	19:04	19:30
29	5:10	5:36	6:02	6:24	11 hrs, 52 min	18:16	18:39	19:04	19:30
30	5:11	5:36	6:02	6:24	11 hrs, 52 min	18:17	18:39	19:05	19:31

October

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:11	5:35	5:59	6:19	12 hrs, 4 min	18:24	18:45	19:09	19:33
2	5:10	5:34	5:59	6:19	12 hrs, 4 min	18:23	18:44	19:08	19:32
3	5:10	5:34	5:58	6:19	12 hrs, 4 min	18:23	18:44	19:08	19:32
4	5:10	5:34	5:58	6:19	12 hrs, 4 min	18:23	18:43	19:07	19:32
5	5:10	5:34	5:58	6:19	12 hrs, 3 min	18:22	18:43	19:07	19:31
6	5:09	5:34	5:58	6:19	12 hrs, 3 min	18:22	18:43	19:07	19:31
7	5:09	5:33	5:58	6:18	12 hrs, 3 min	18:21	18:42	19:06	19:30
8	5:09	5:33	5:57	6:18	12 hrs, 3 min	18:21	18:42	19:06	19:30
9	5:09	5:33	5:57	6:18	12 hrs, 2 min	18:20	18:41	19:06	19:30
10	5:09	5:33	5:57	6:18	12 hrs, 2 min	18:20	18:41	19:05	19:29
11	5:08	5:33	5:57	6:18	12 hrs, 2 min	18:20	18:41	19:05	19:29
12	5:08	5:33	5:57	6:18	12 hrs, 2 min	18:19	18:40	19:04	19:29
13	5:08	5:32	5:57	6:18	12 hrs, 1 min	18:19	18:40	19:04	19:28
14	5:08	5:32	5:57	6:17	12 hrs, 1 min	18:19	18:40	19:04	19:28
15	5:08	5:32	5:56	6:17	12 hrs, 1 min	18:18	18:39	19:04	19:28
16	5:08	5:32	5:56	6:17	12 hrs, 1 min	18:18	18:39	19:03	19:28
17	5:07	5:32	5:56	6:17	12 hrs, 0 min	18:18	18:39	19:03	19:27
18	5:07	5:32	5:56	6:17	12 hrs, 0 min	18:17	18:38	19:03	19:27
19	5:07	5:32	5:56	6:17	12 hrs, 0 min	18:17	18:38	19:02	19:27
20	5:07	5:31	5:56	6:17	12 hrs, 0 min	18:17	18:38	19:02	19:27
21	5:07	5:31	5:56	6:17	11 hrs, 59 min	18:16	18:37	19:02	19:26
22	5:07	5:31	5:56	6:17	11 hrs, 59 min	18:16	18:37	19:02	19:26
23	5:07	5:31	5:56	6:17	11 hrs, 59 min	18:16	18:37	19:01	19:26
24	5:07	5:31	5:56	6:17	11 hrs, 59 min	18:16	18:37	19:01	19:26
25	5:06	5:31	5:56	6:17	11 hrs, 59 min	18:15	18:37	19:01	19:26
26	5:06	5:31	5:56	6:17	11 hrs, 58 min	18:15	18:36	19:01	19:26
27	5:06	5:31	5:56	6:17	11 hrs, 58 min	18:15	18:36	19:01	19:25
28	5:06	5:31	5:56	6:17	11 hrs, 58 min	18:15	18:36	19:01	19:25
29	5:06	5:31	5:56	6:17	11 hrs, 58 min	18:15	18:36	19:01	19:25
30	5:06	5:31	5:56	6:17	11 hrs, 57 min	18:14	18:36	19:00	19:25
31	5:06	5:31	5:56	6:17	11 hrs, 57 min	18:14	18:36	19:00	19:25

December

Date	Astronomical Twilight Begins	Nautical Twilight Begins	Civil Twilight Begins	Sunrise	Duration of Daylight	Sunset	Civil Twilight Ends	Nautical Twilight Ends	Astronomical Twilight Ends
1	5:11	5:37	6:03	6:25	11 hrs, 52 min	18:17	18:39	19:05	19:31
2	5:11	5:37	6:03	6:25	11 hrs, 52 min	18:17	18:40	19:05	19:31
3	5:12	5:38	6:03	6:26	11 hrs, 52 min	18:18	18:40	19:06	19:32
4	5:12	5:38	6:04	6:26	11 hrs, 52 min	18:18	18:40	19:06	19:32
5	5:12	5:38	6:04	6:27	11 hrs, 52 min	18:18	18:41	19:07	19:33
6	5:13	5:39	6:05	6:27	11 hrs, 51 min	18:19	18:41	19:07	19:33
7	5:13	5:39	6:05	6:28	11 hrs, 51 min	18:19	18:41	19:07	19:33
8	5:14	5:40	6:06	6:28	11 hrs, 51 min	18:19	18:42	19:08	19:34
9	5:14	5:40	6:06	6:29	11 hrs, 51 min	18:20	18:42	19:08	19:34
10	5:14	5:40	6:07	6:29	11 hrs, 51 min	18:20	18:43	19:09	19:35
11	5:15	5:41	6:07	6:30	11 hrs, 51 min	18:21	18:43	19:09	19:35
12	5:15	5:41	6:08	6:30	11 hrs, 51 min	18:21	18:44	19:10	19:36
13	5:16	5:42	6:08	6:31	11 hrs, 51 min	18:22	18:44	19:10	19:36
14	5:16	5:42	6:08	6:31	11 hrs, 51 min	18:22	18:45	19:11	19:37
15	5:17	5:43	6:09	6:32	11 hrs, 51 min	18:22	18:45	19:11	19:37
16	5:17	5:43	6:09	6:32	11 hrs, 51 min	18:23	18:45	19:12	19:38
17	5:18	5:44	6:10	6:33	11 hrs, 51 min	18:23	18:46	19:12	19:38
18	5:18	5:44	6:10	6:33	11 hrs, 51 min	18:24	18:46	19:13	19:39
19	5:19	5:45	6:11	6:34	11 hrs, 51 min	18:24	18:47	19:13	19:39
20	5:19	5:45	6:11	6:34	11 hrs, 51 min	18:25	18:47	19:14	19:40
21	5:20	5:46	6:12	6:35	11 hrs, 51 min	18:25	18:48	19:14	19:40
22	5:20	5:46	6:12	6:35	11 hrs, 51 min	18:26	18:48	19:15	19:41
23	5:21	5:47	6:13	6:36	11 hrs, 51 min	18:26	18:49	19:15	19:41
24	5:21	5:47	6:13	6:36	11 hrs, 51 min	18:27	18:49	19:16	19:42
25	5:22	5:48	6:14	6:36	11 hrs, 51 min	18:27	18:50	19:16	19:42
26	5:22	5:48	6:14	6:37	11 hrs, 51 min	18:28	18:50	19:17	19:43
27	5:23	5:49	6:15	6:37	11 hrs, 51 min	18:28	18:51	19:17	19:43
28	5:23	5:49	6:15	6:38	11 hrs, 51 min	18:29	18:51	19:18	19:44
29	5:24	5:50	6:16	6:38	11 hrs, 51 min	18:29	18:52	19:18	19:44
30	5:24	5:50	6:16	6:39	11 hrs, 51 min	18:30	18:52	19:19	19:45
31	5:25	5:51	6:17	6:39	11 hrs, 51 min	18:30	18:53	19:19	19:45

Daylight Saving Time is not observed in this location.

Atmospheric refraction has been considered in these calculations, using the generally accepted value of 0° 34' for the effect of refraction at the horizon.
An entry of "--:--" anywhere on these tables means that event does not occur on that date. This only occurs at extreme northern and southern latitudes.

Algorithm Sources: *Almanac for Computers* (1990, Nautical Almanac Office, US Naval Observatory, Washington, DC)
Astronomical Algorithms (2nd edition, by Jean Meeus, Willman-Bell, Inc., 1998)

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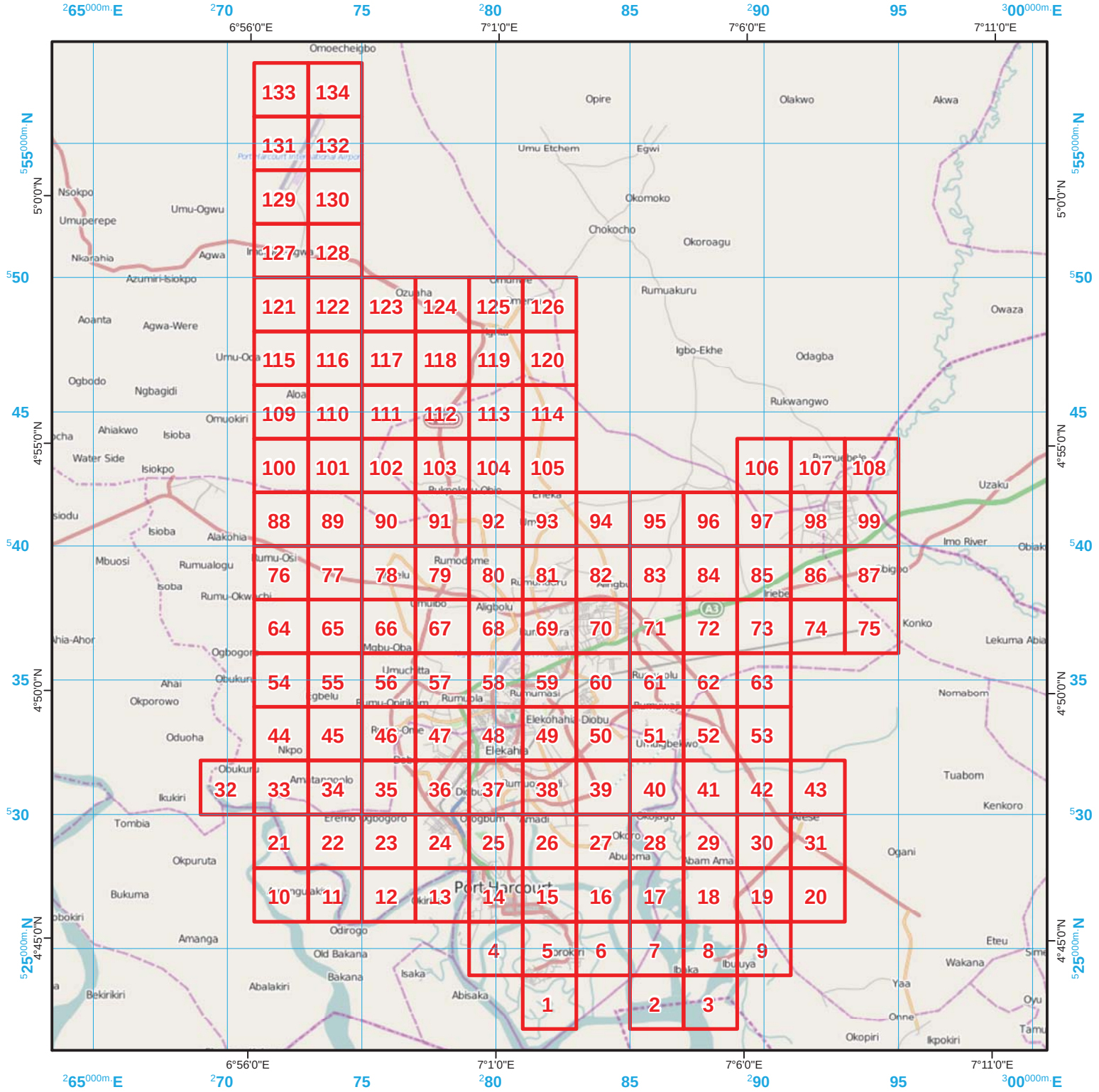

5,000-m grid, MGRS
World Geodetic System 1984 Datum
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100,000-m Square Identification: KL
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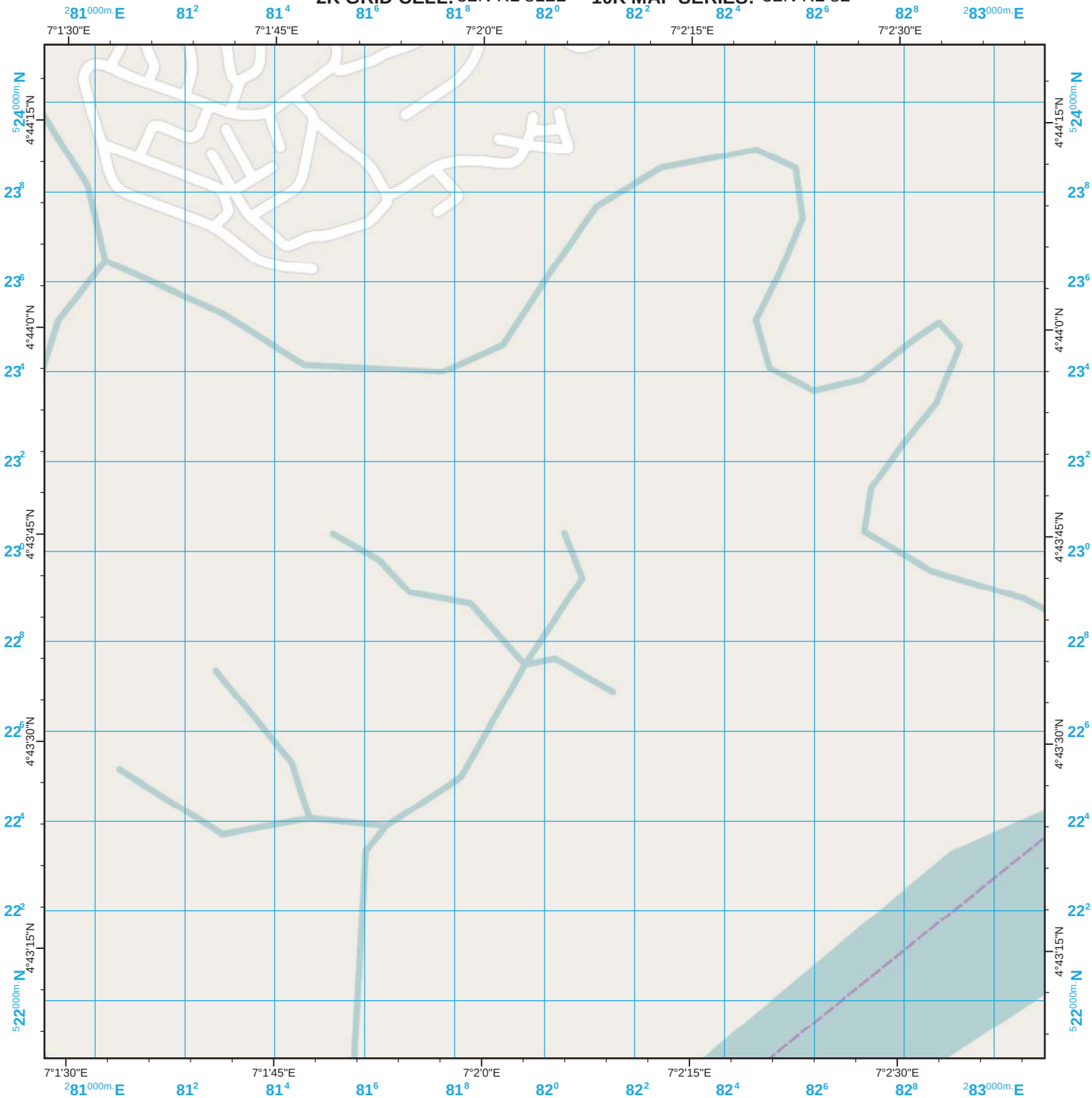
Legend

Map Grid

MGRS
100,000-m Square Grid
KL
32N
Grid Zone Designation

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8122 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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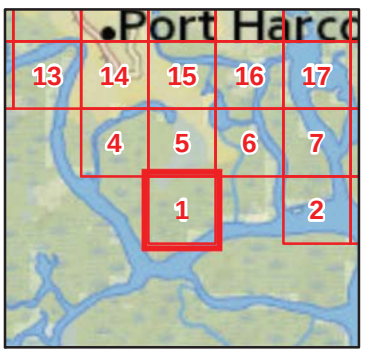

Port Harcourt

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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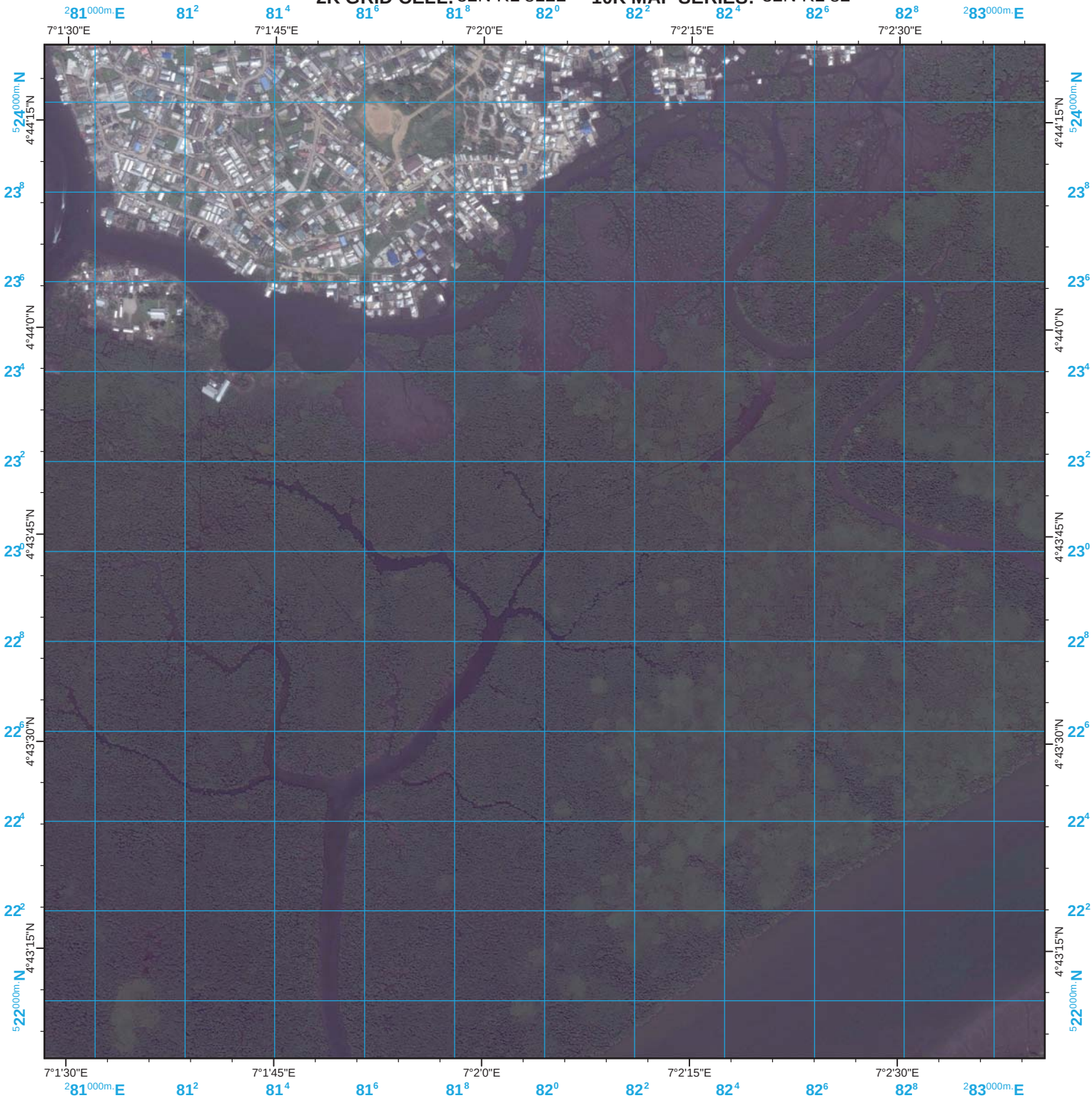
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8122 **10K MAP SERIES:** 32N KL 82



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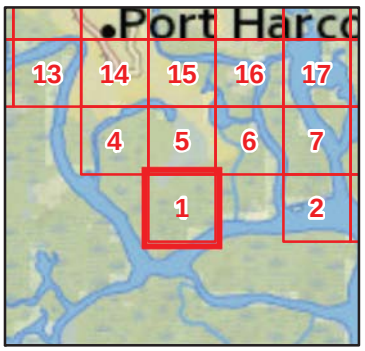
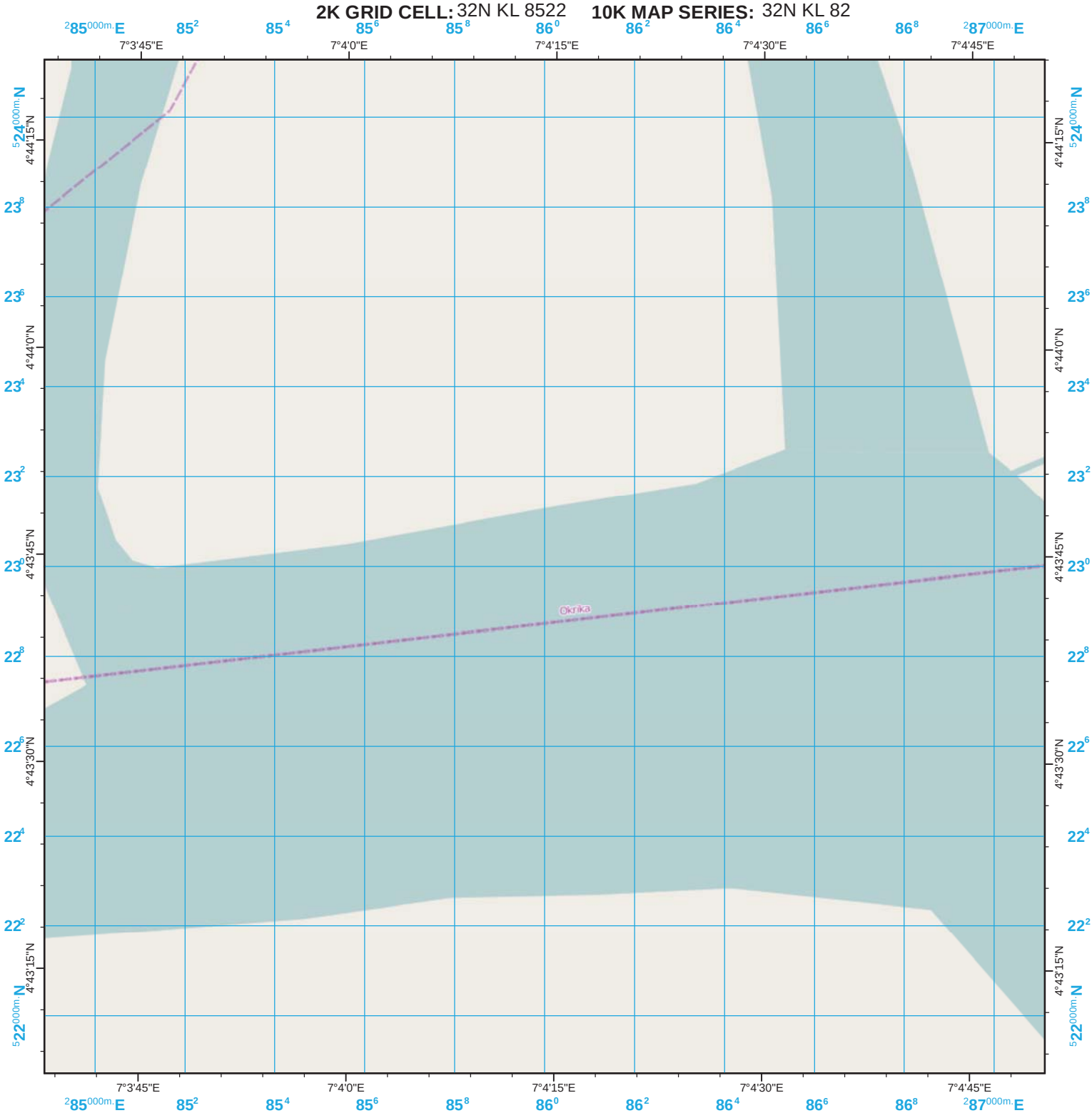


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8522 **10K MAP SERIES:** 32N KL 82



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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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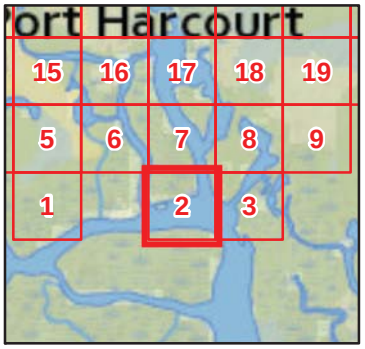
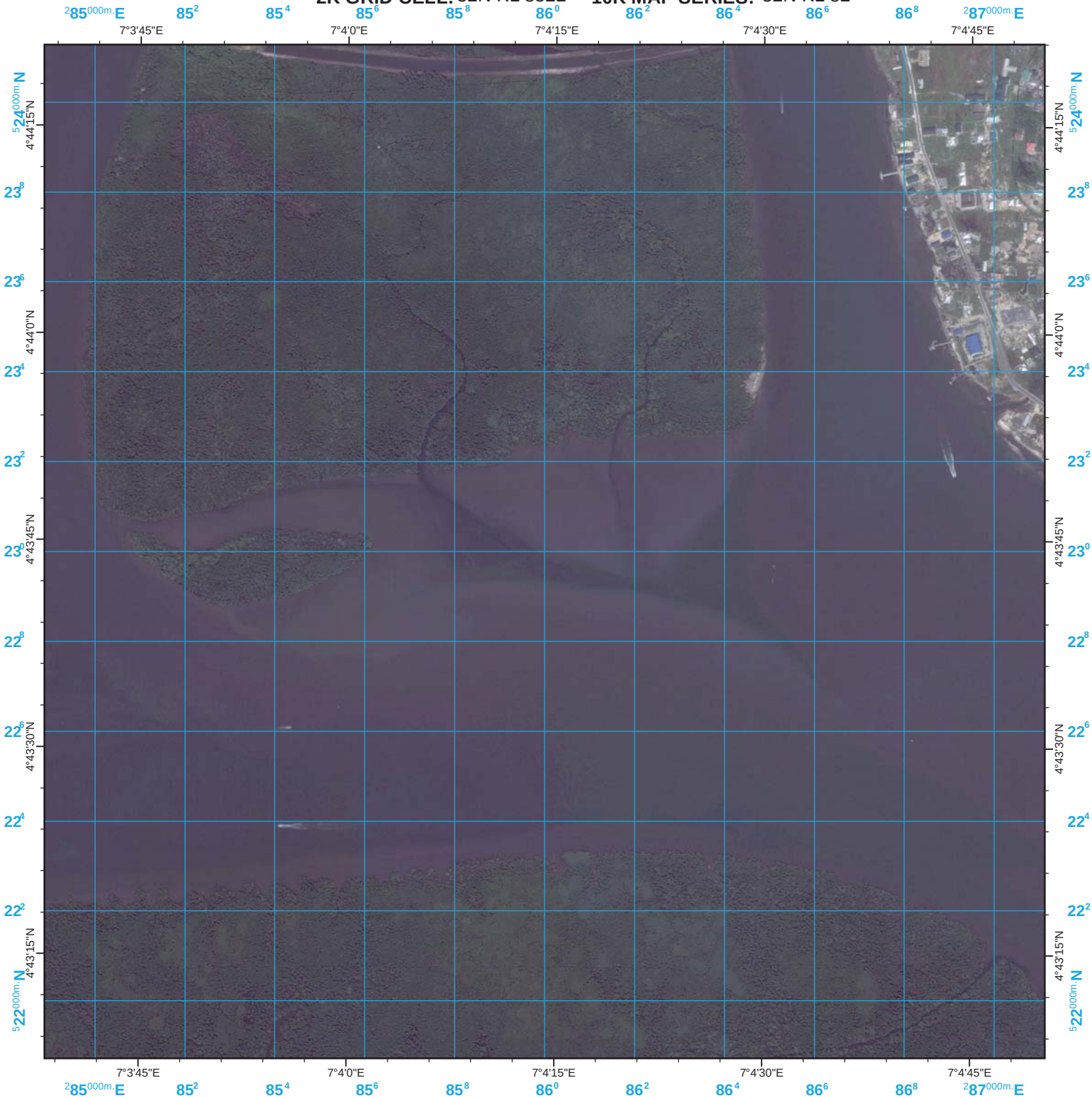


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8522 **10K MAP SERIES:** 32N KL 82



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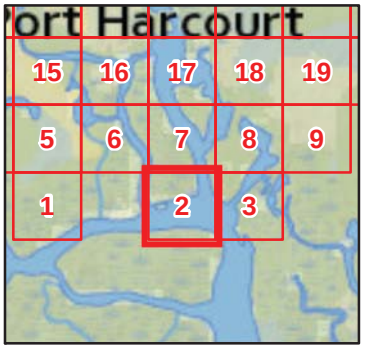

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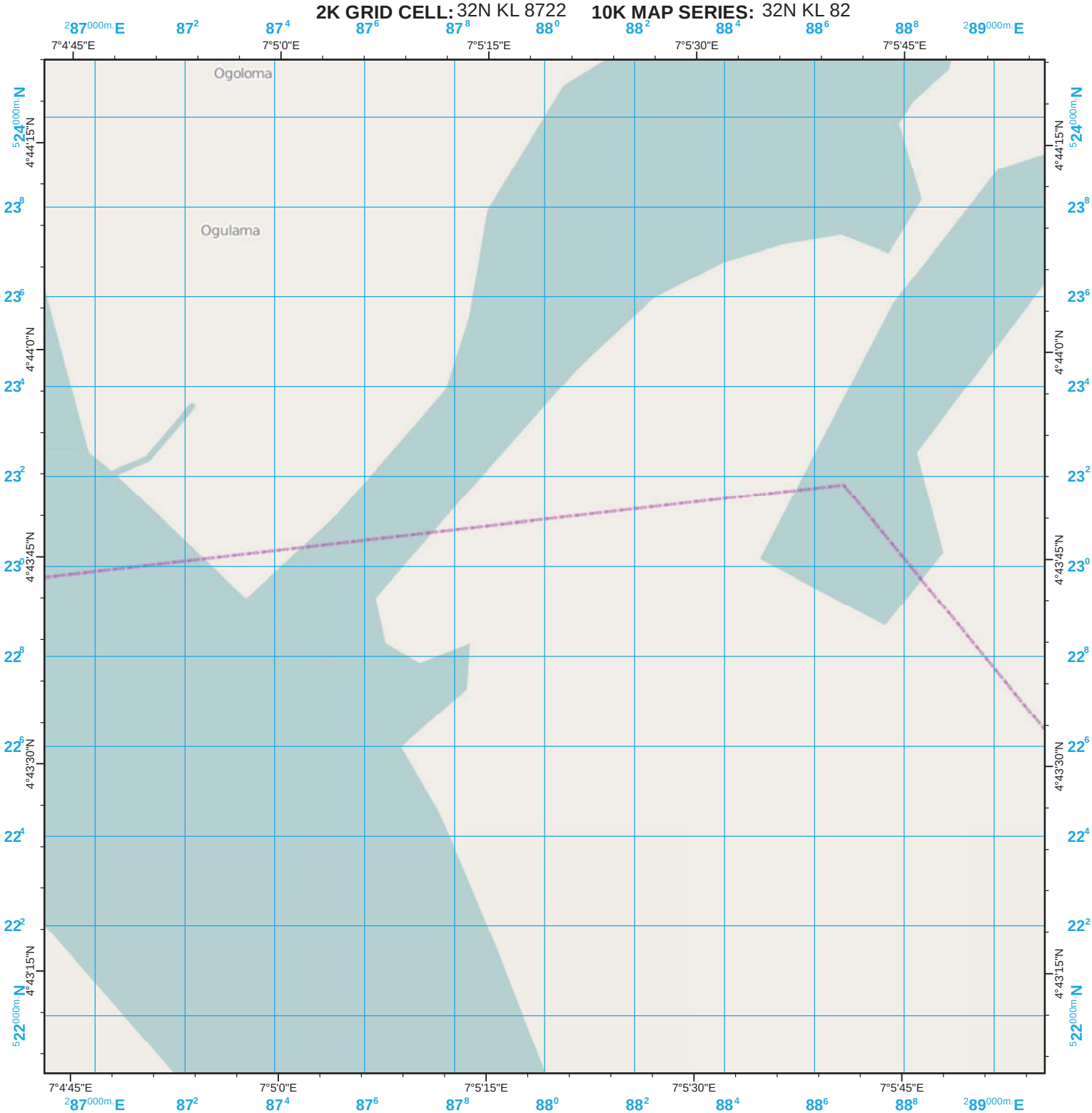
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8722 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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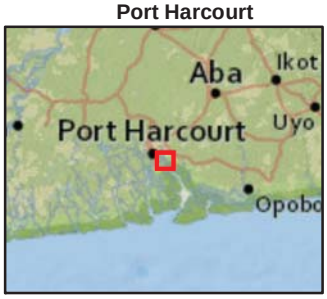

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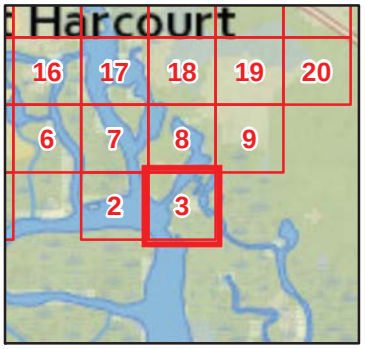
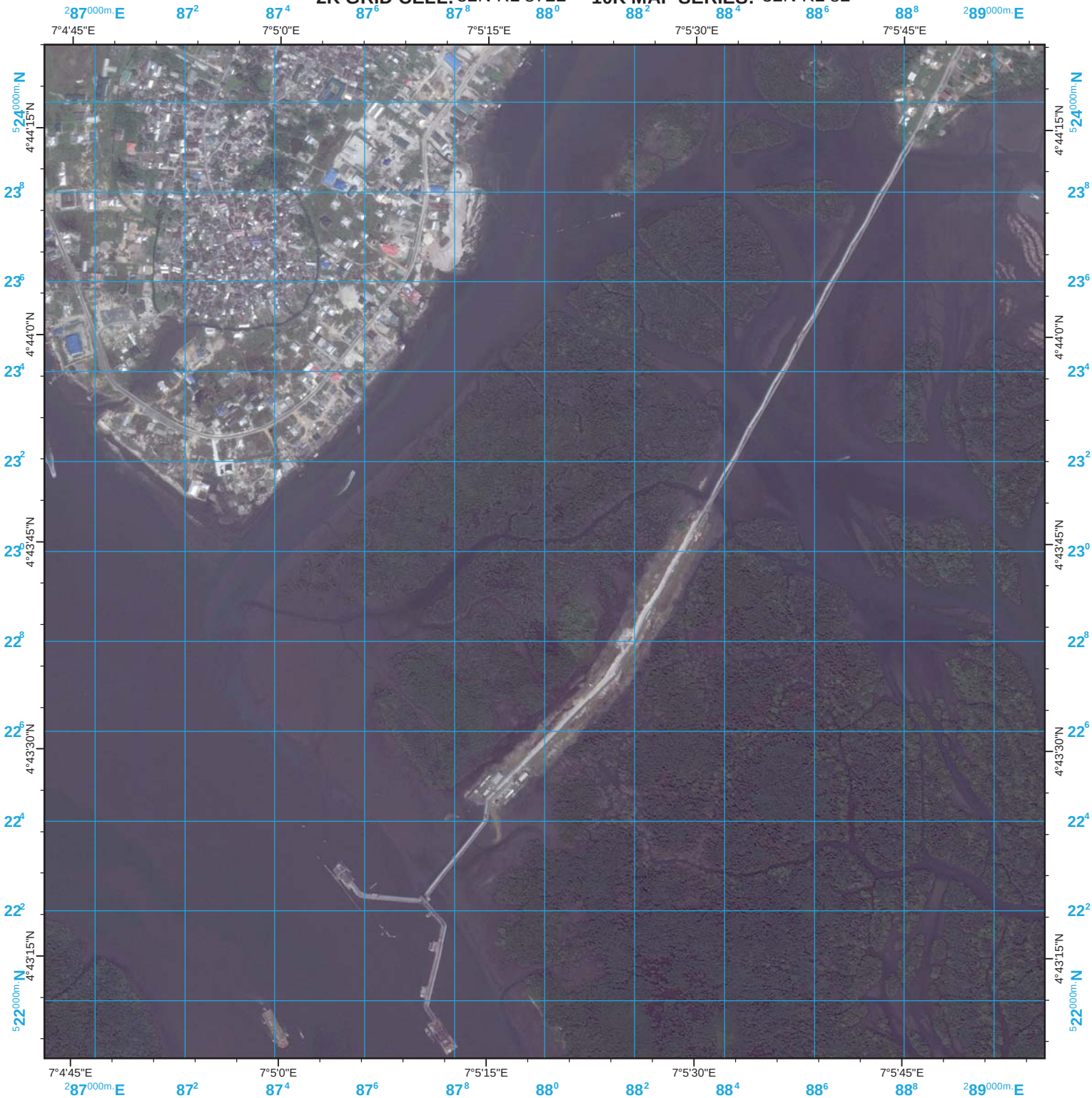


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8722 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
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1:12,000 Scale

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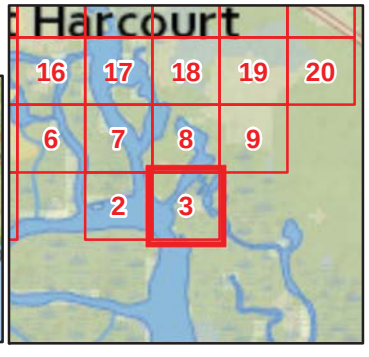

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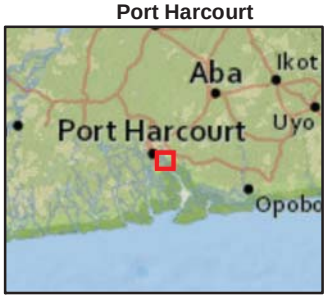

MGRS
100,000-m Square Grid: KL
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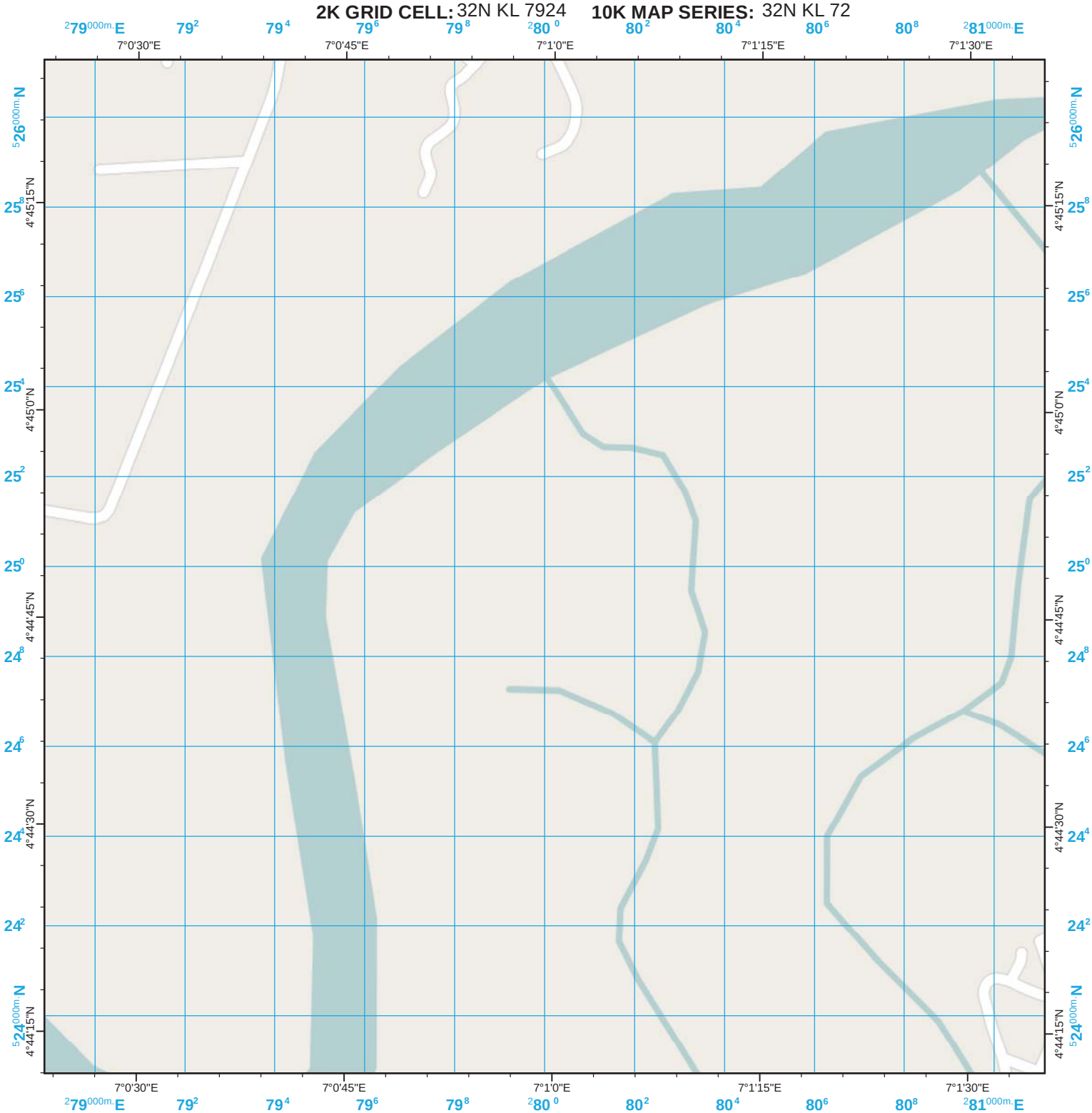
2K GRID CELL: 32N KL 7924 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation
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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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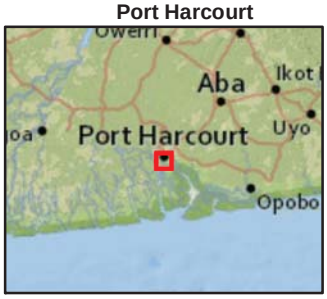

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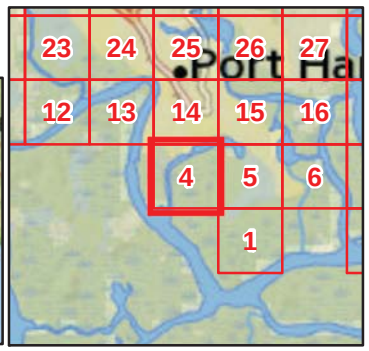
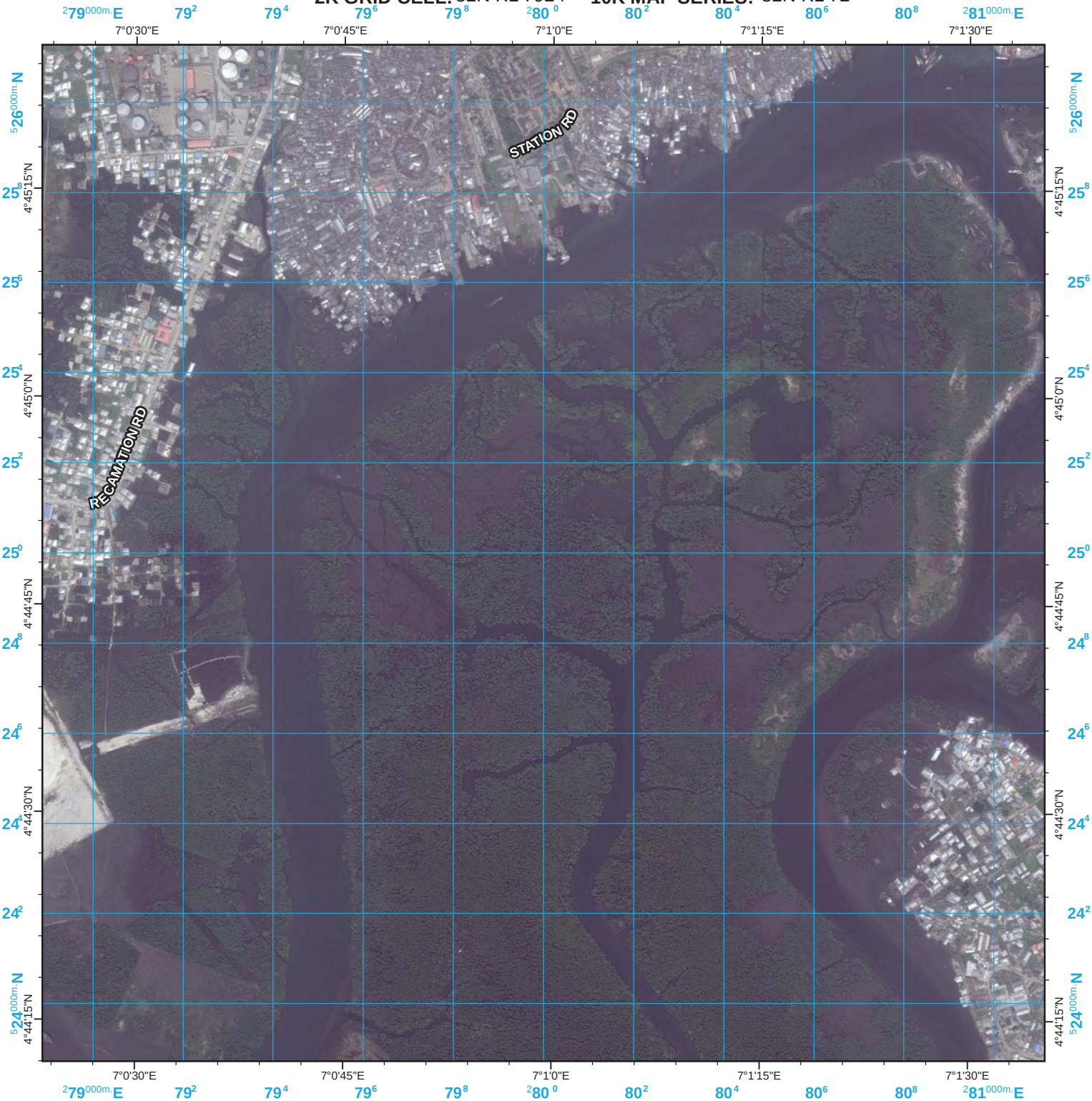


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7924 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
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0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
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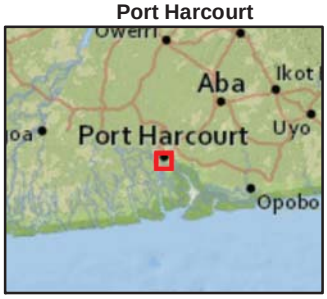

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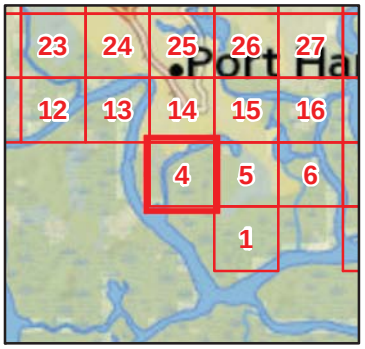
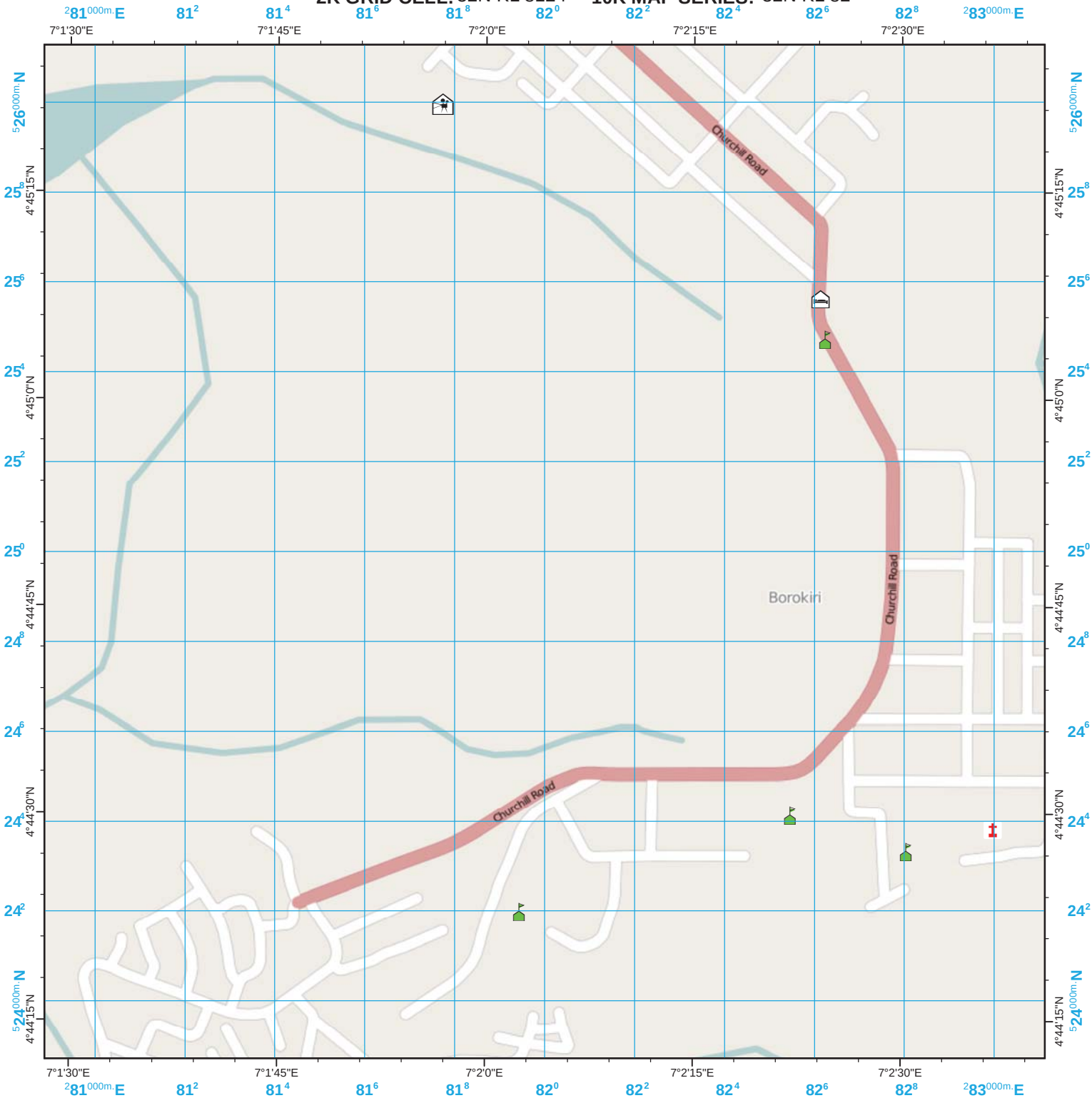


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8124 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
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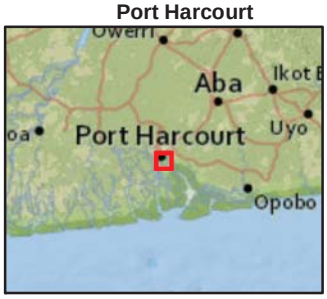

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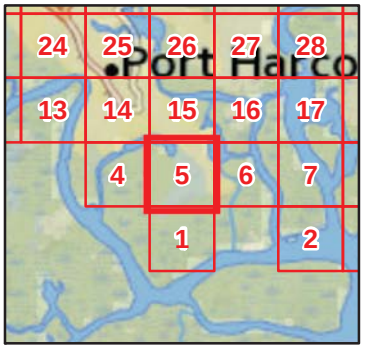

PORT HARCOURT, NIGERIA

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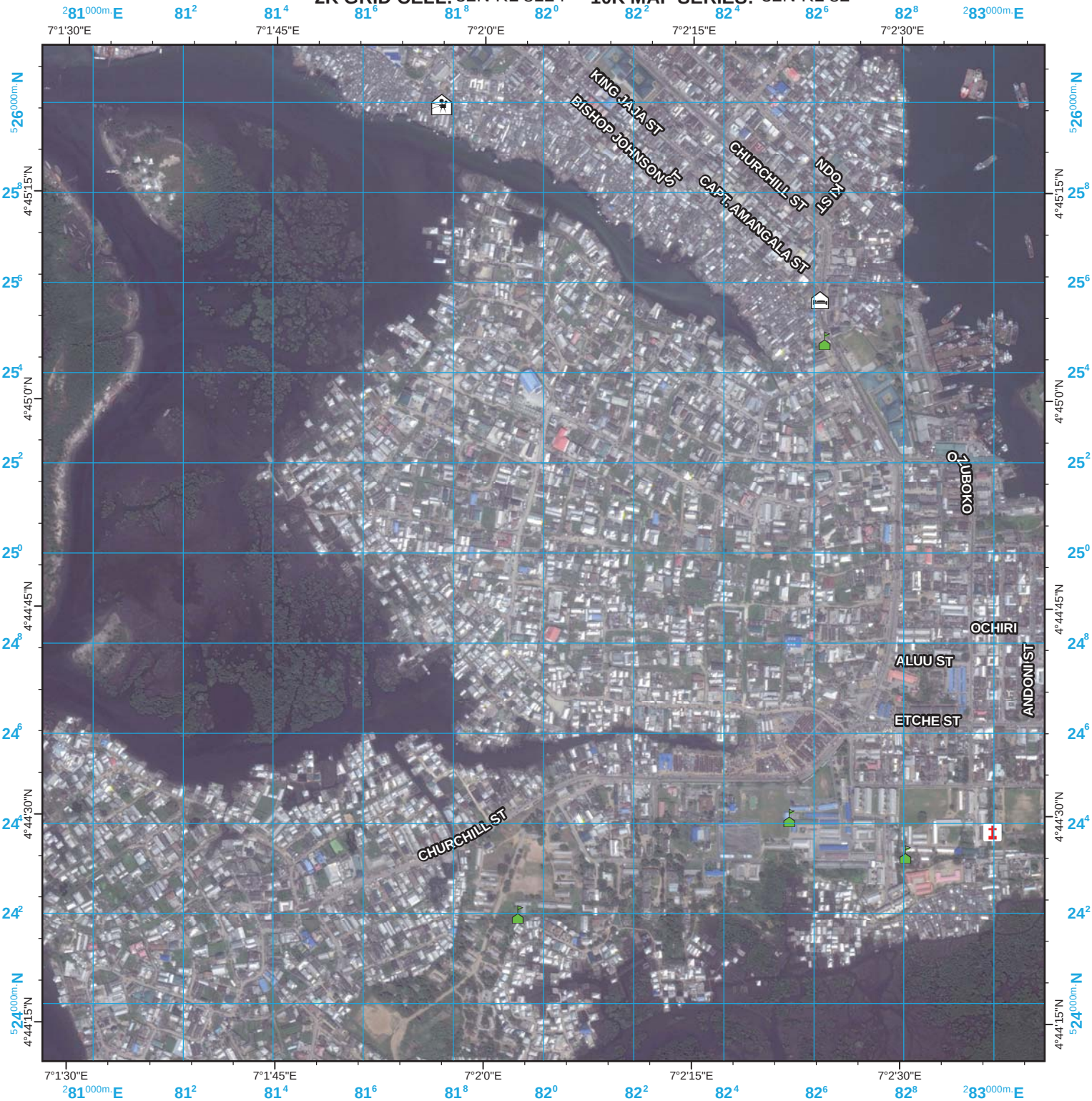

2000-m cell, 200-m grid, MGRS
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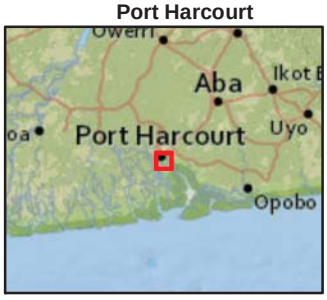

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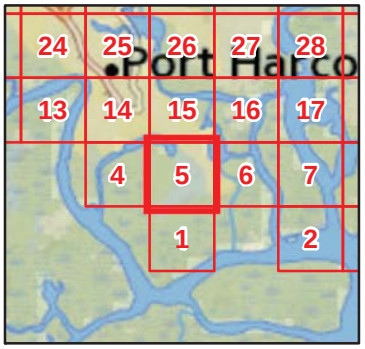
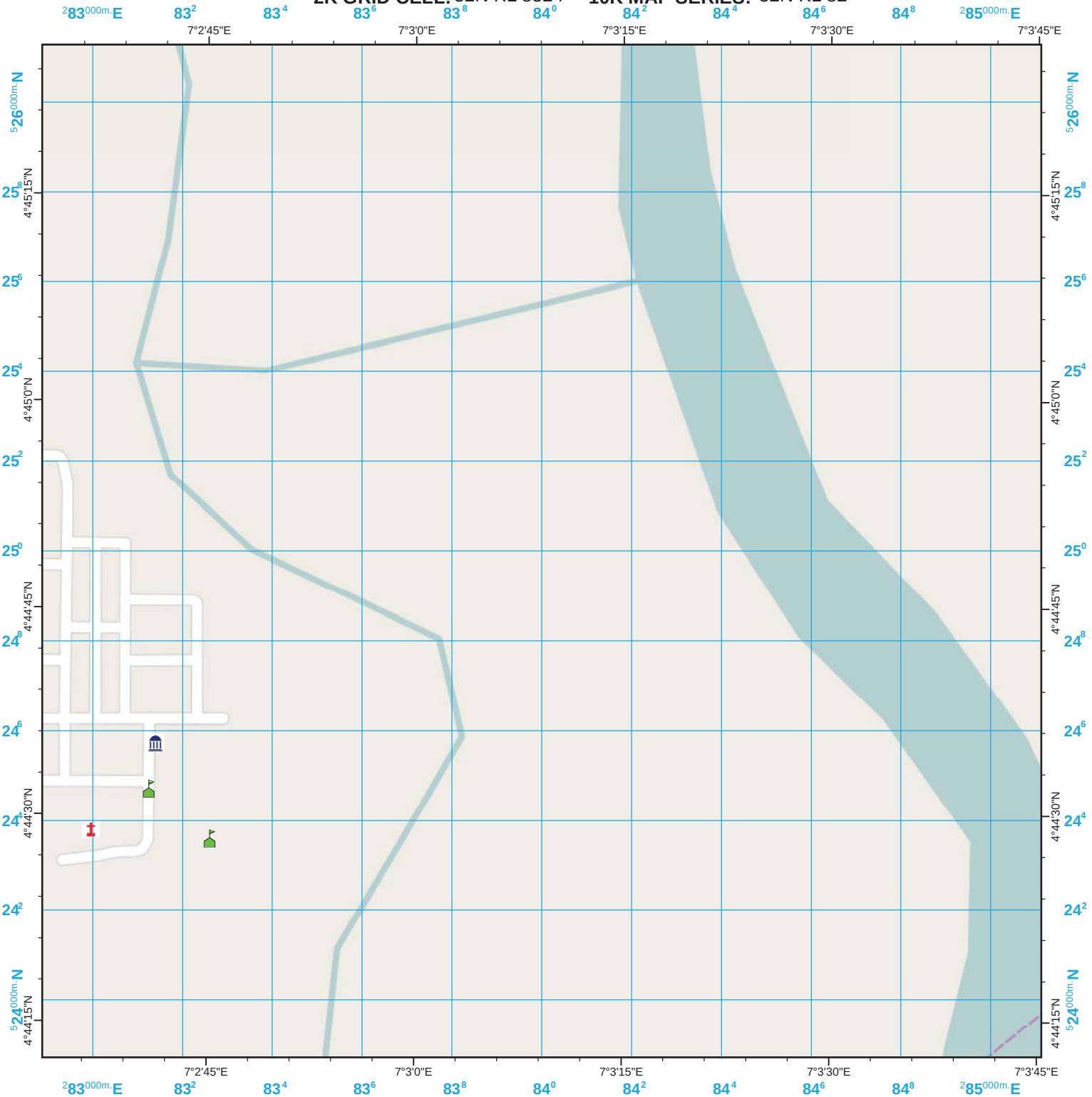


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8324 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
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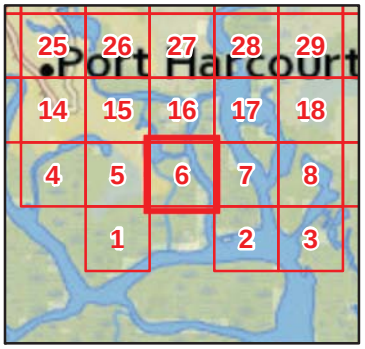
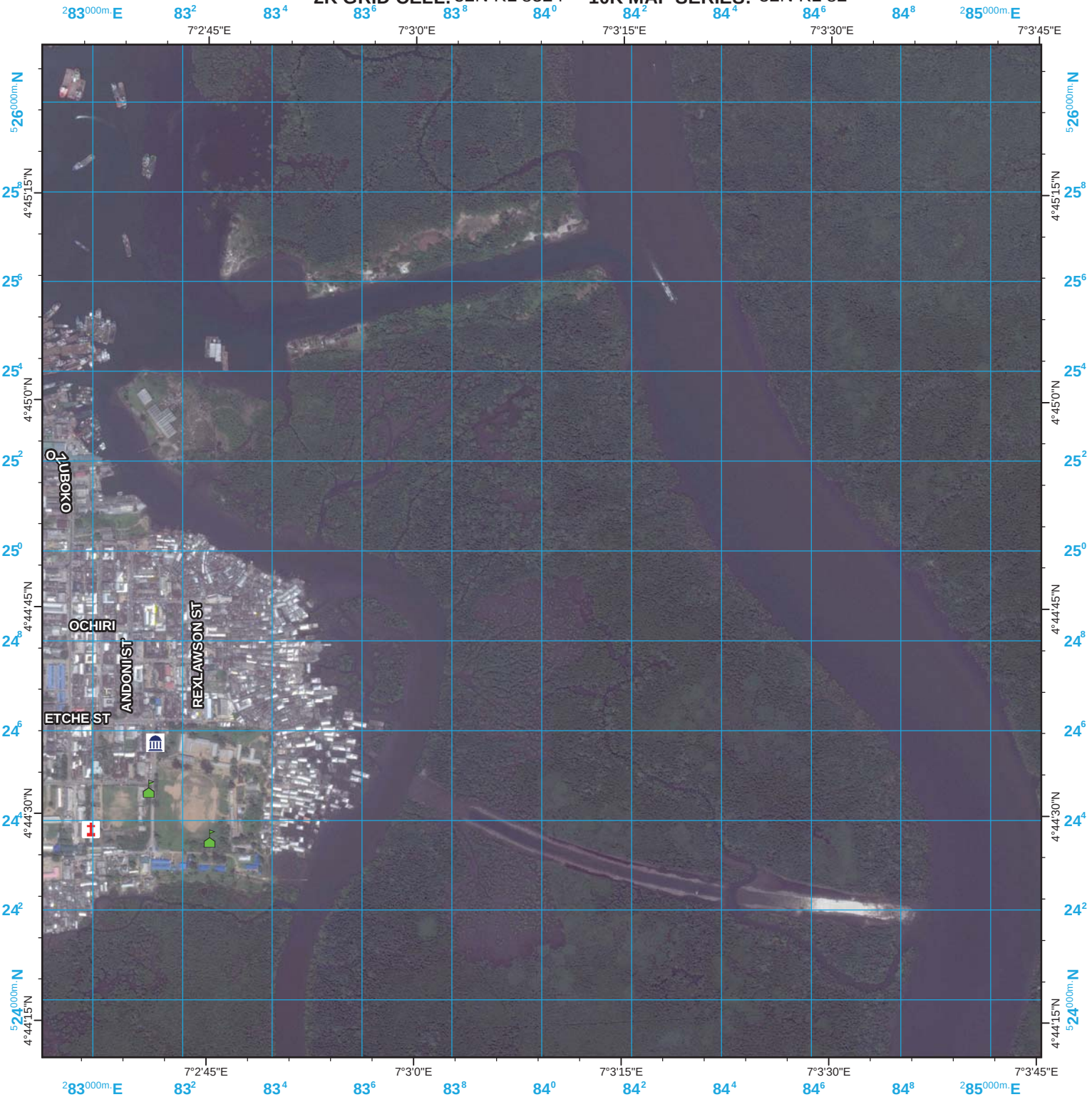


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8324 **10K MAP SERIES:** 32N KL 82



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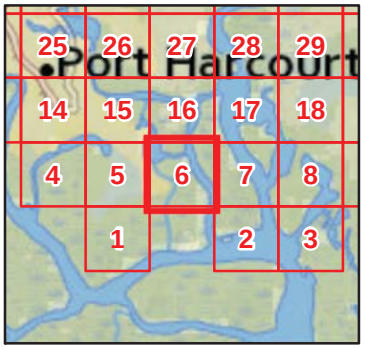

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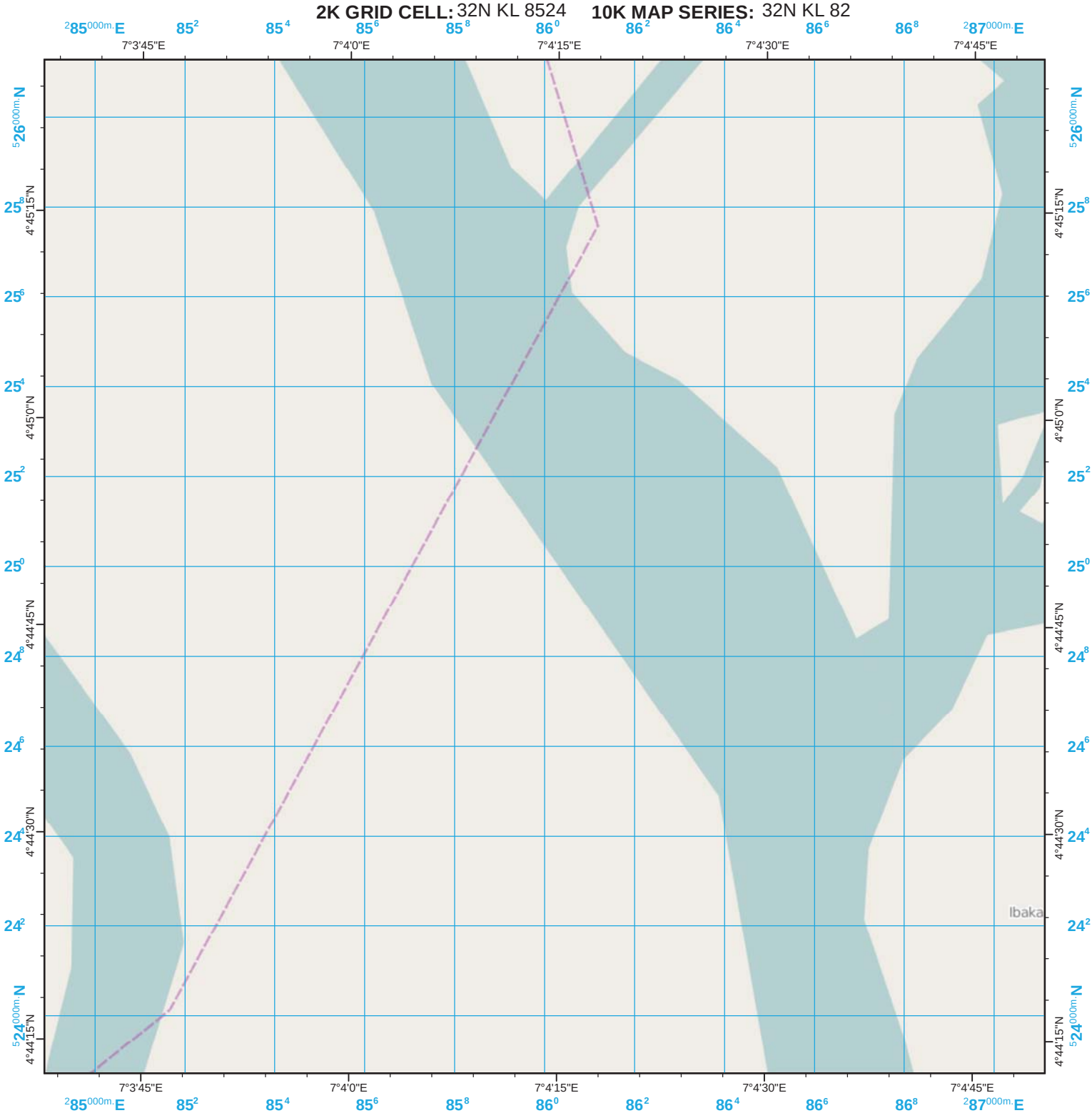
2K GRID CELL: 32N KL 8524 **10K MAP SERIES:** 32N KL 82



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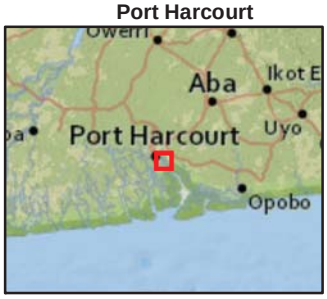

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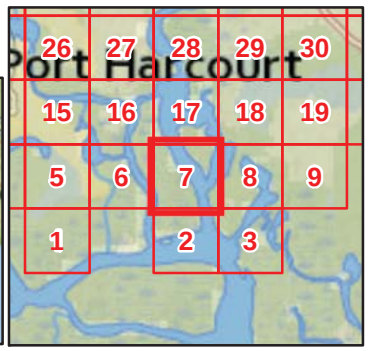
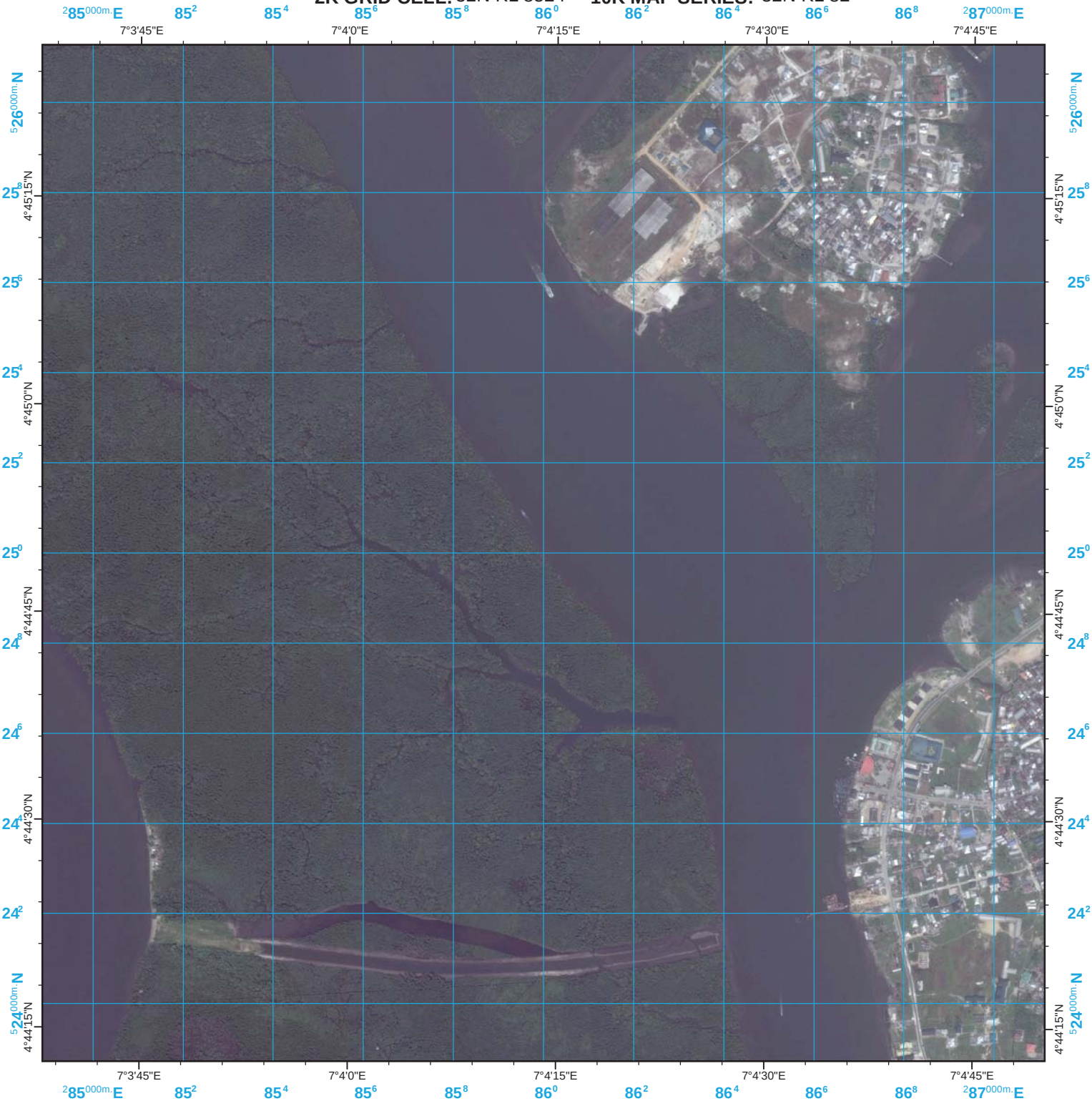


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8524 **10K MAP SERIES:** 32N KL 82



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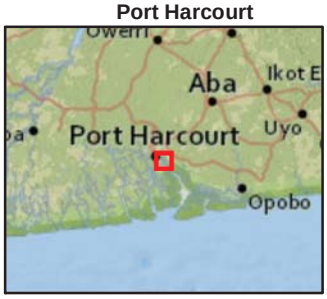

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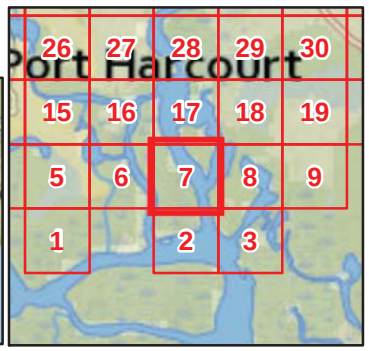

PORT HARCOURT, NIGERIA

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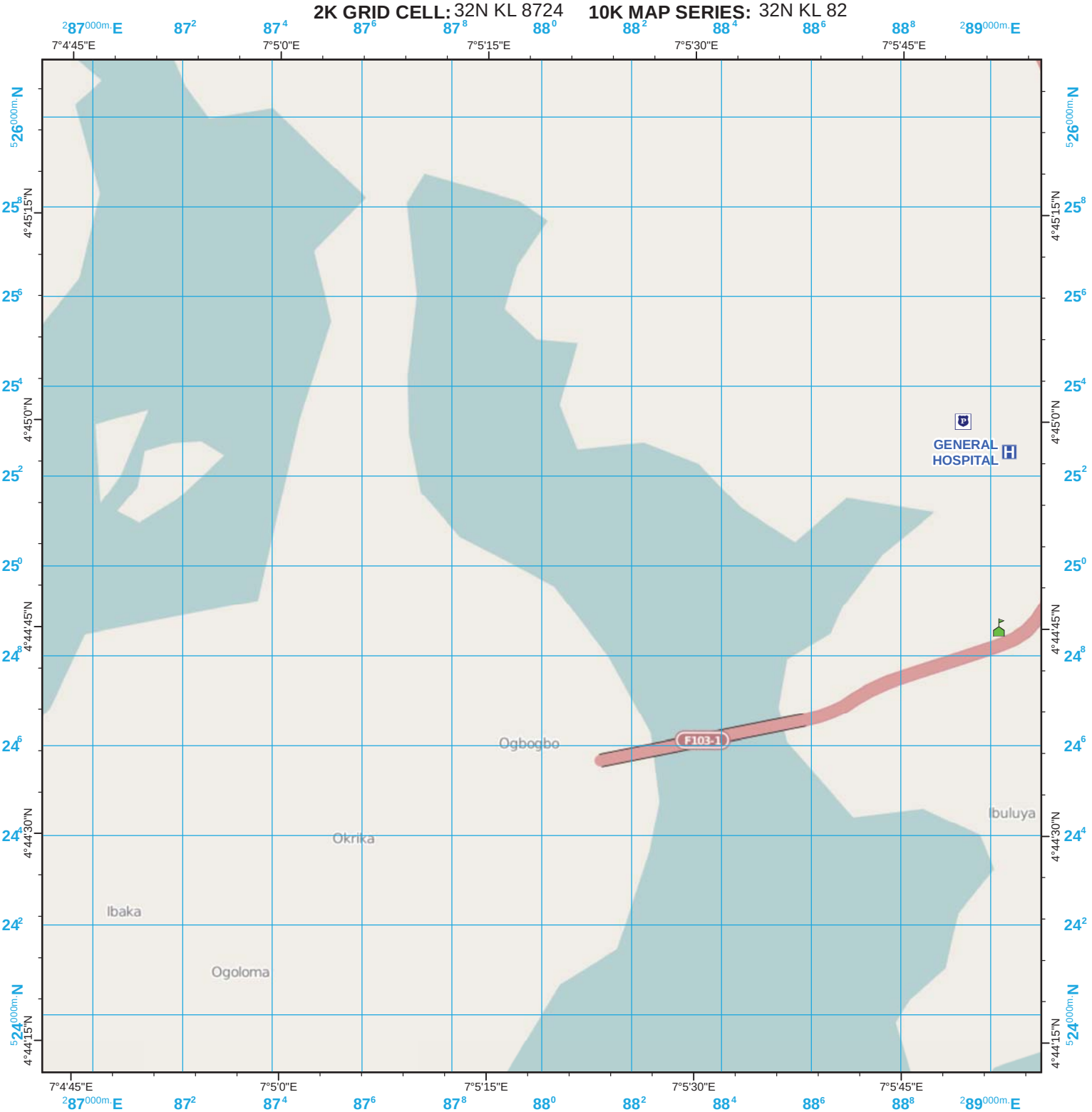

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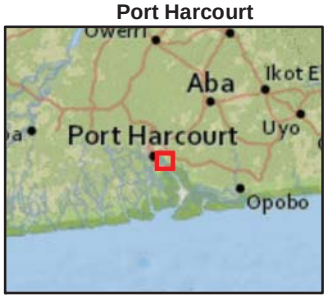

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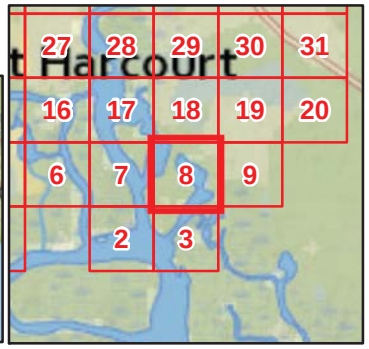

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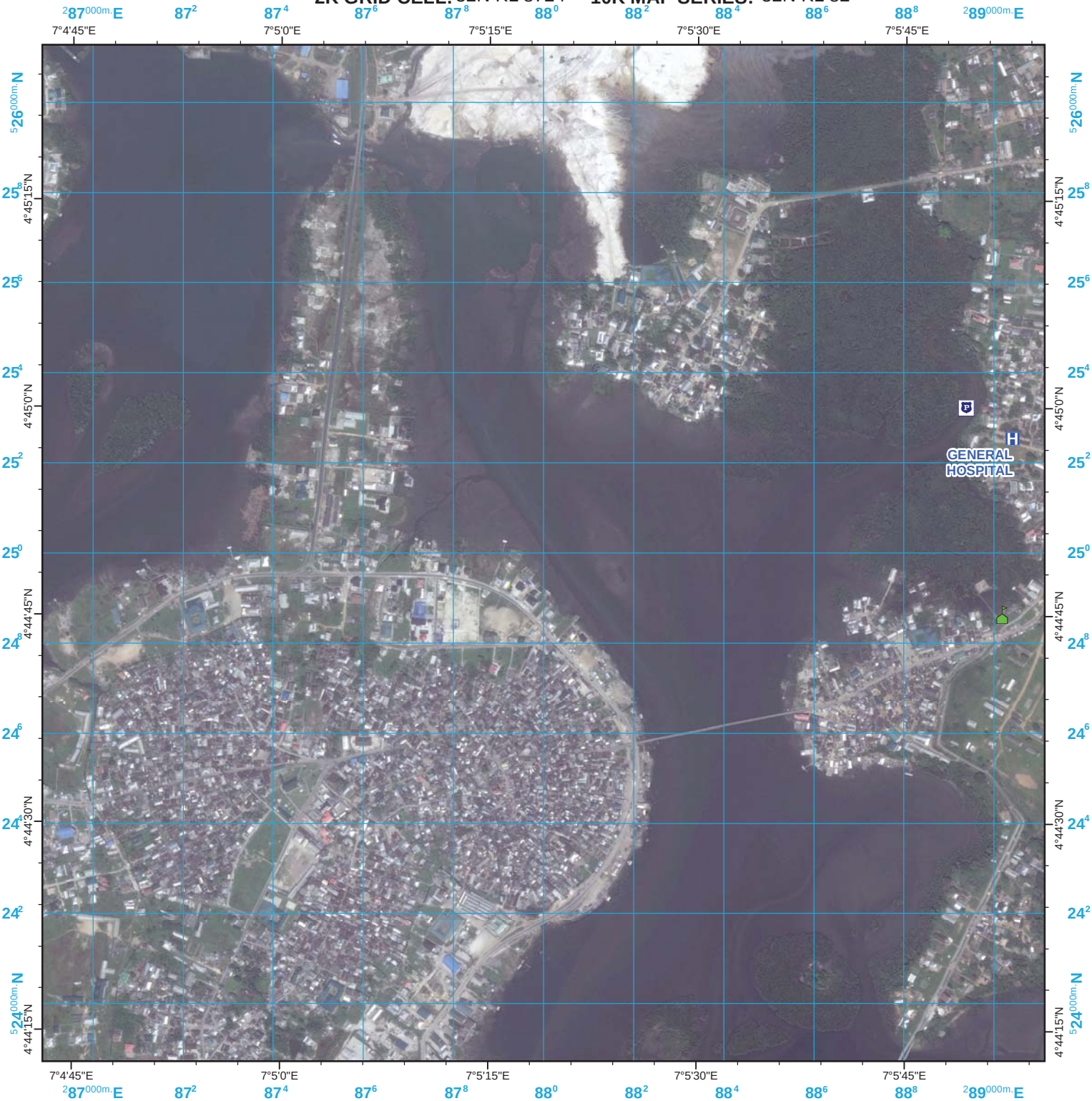
2K GRID CELL: 32N KL 8724 **10K MAP SERIES:** 32N KL 82



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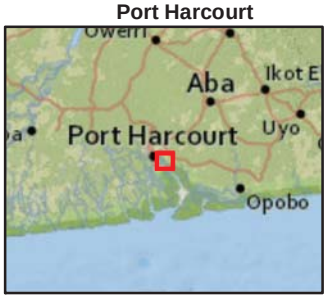

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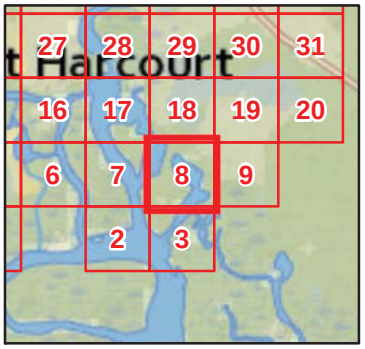

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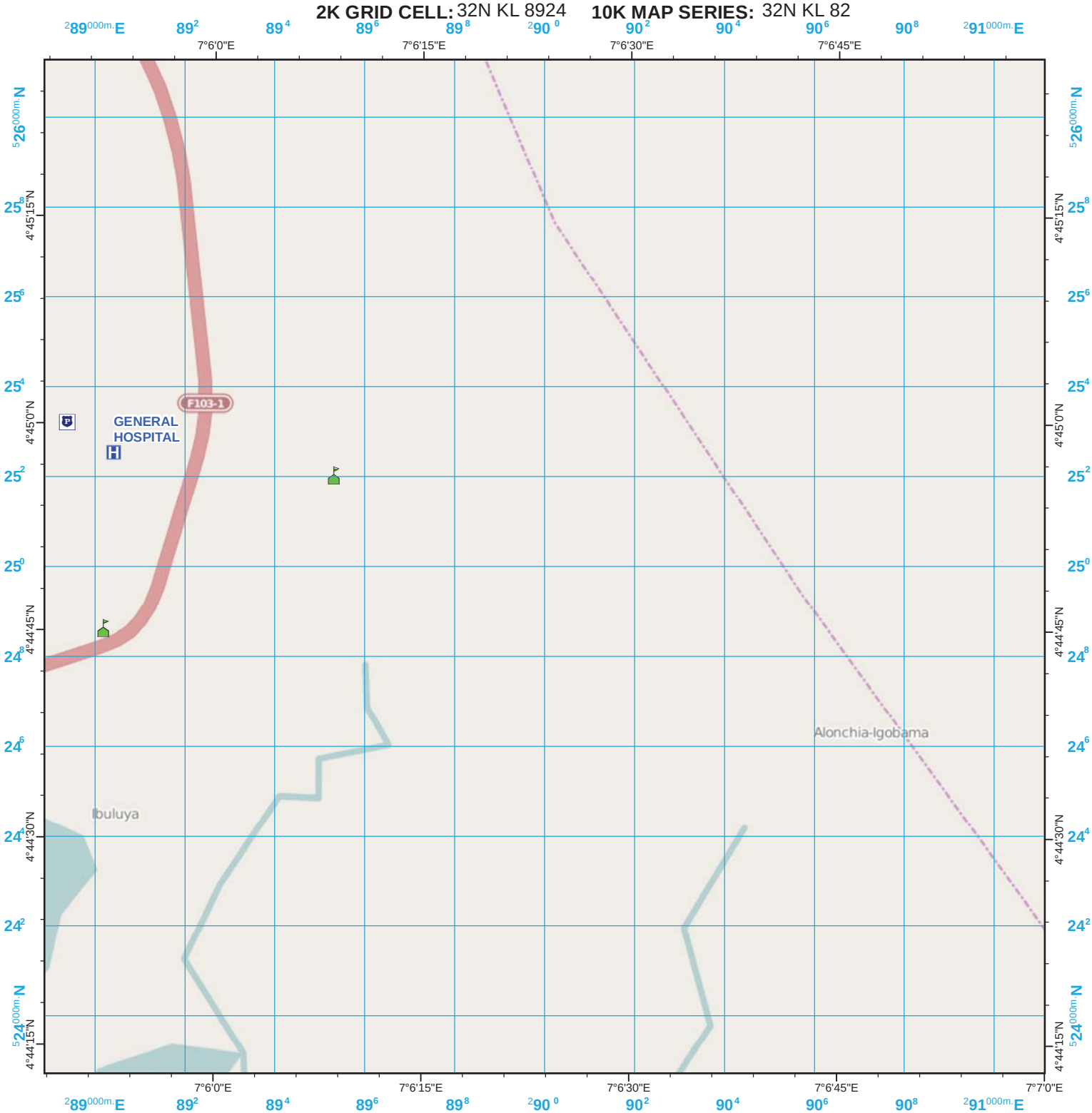
2K GRID CELL: 32N KL 8924 **10K MAP SERIES:** 32N KL 82



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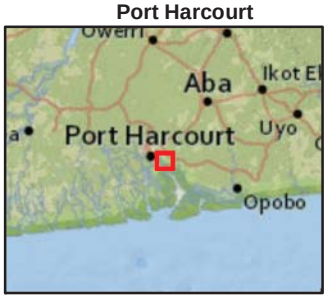
Port Harcourt



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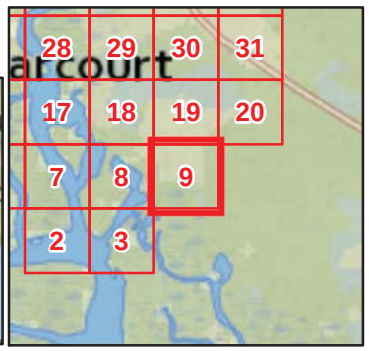

MGRS
100,000-m Square Grid: KL
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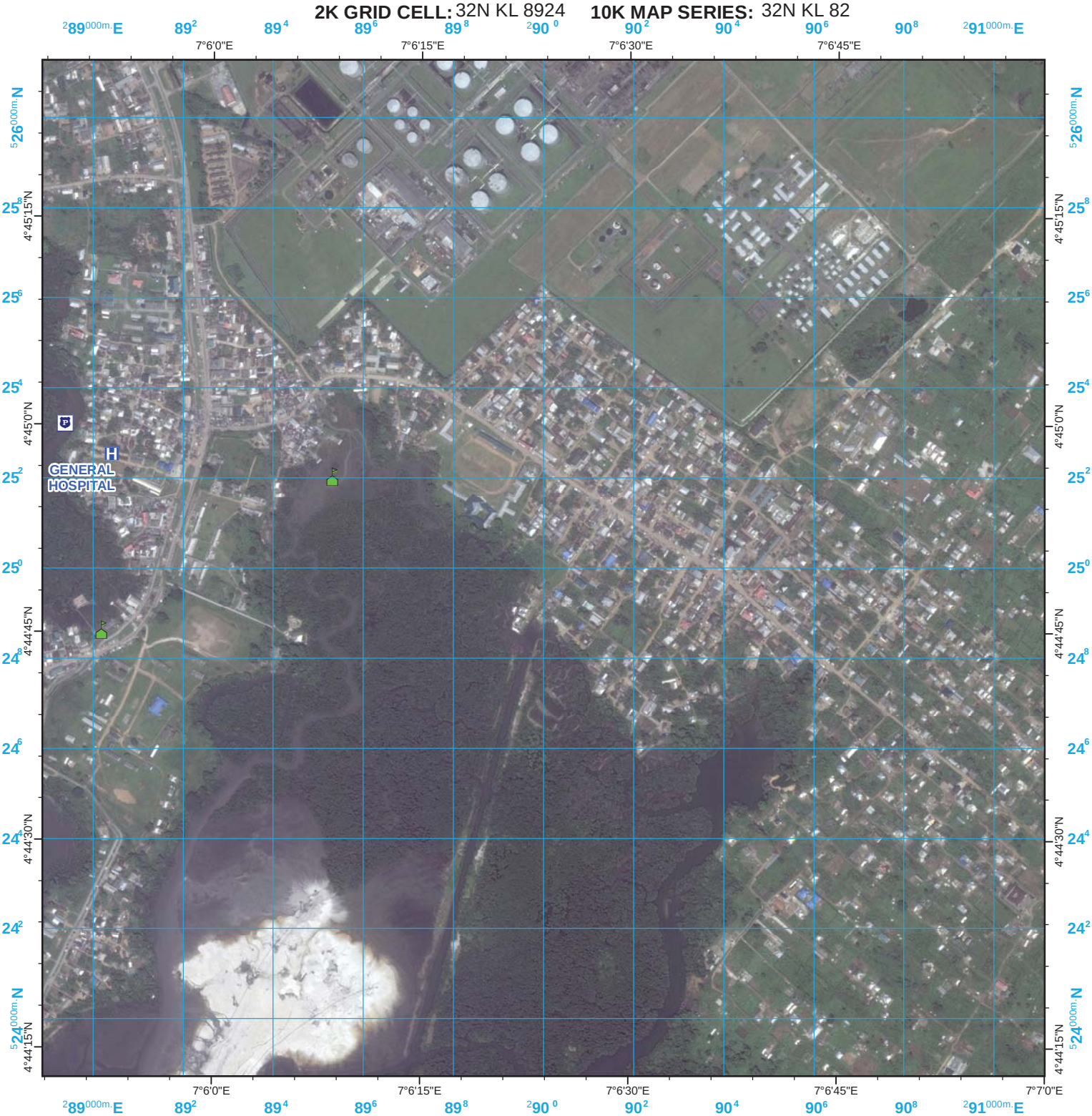
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8924 **10K MAP SERIES:** 32N KL 82



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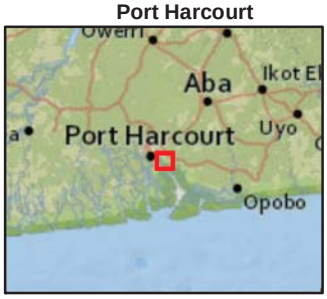

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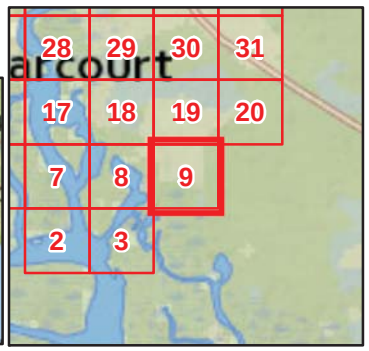

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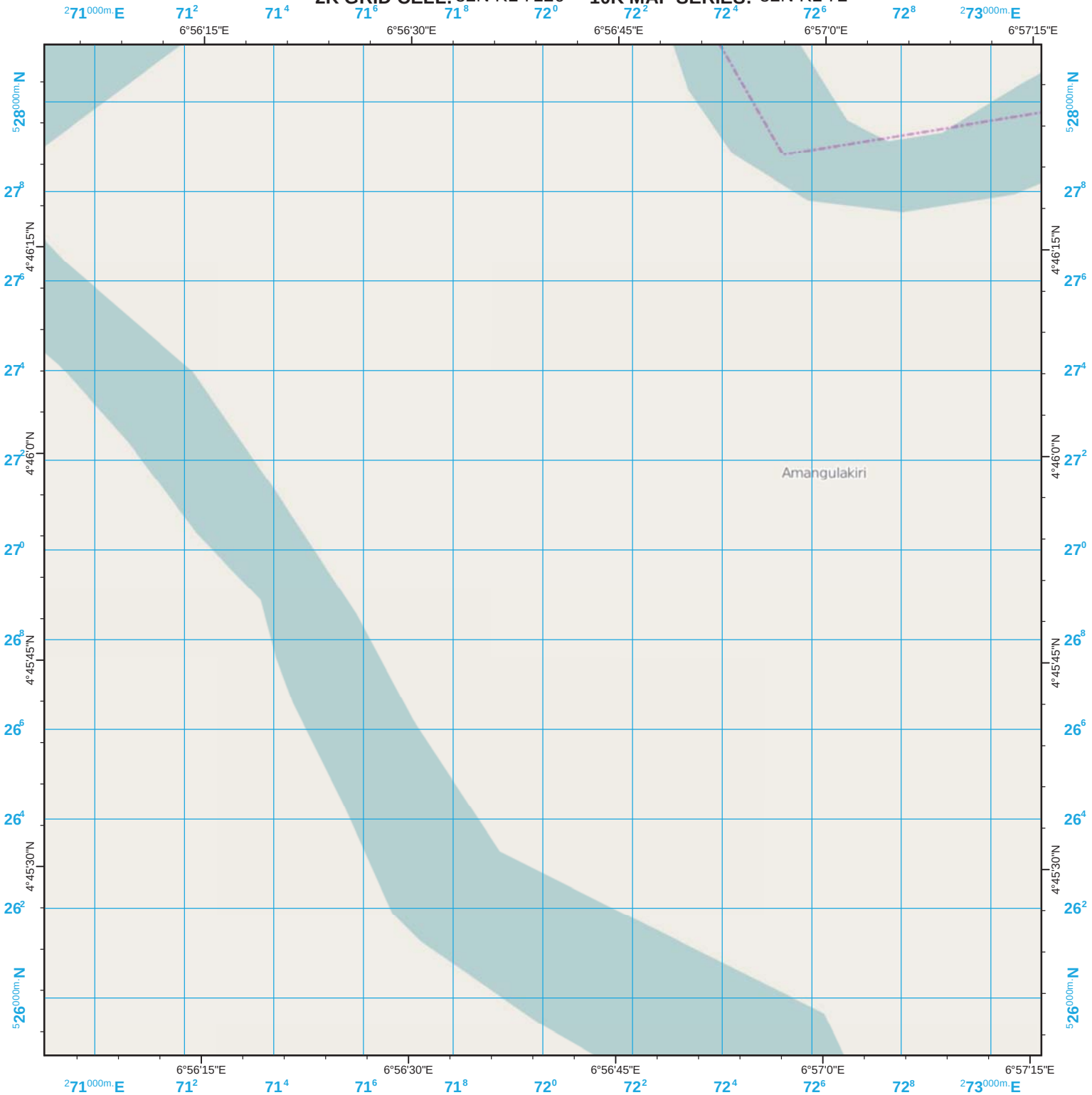

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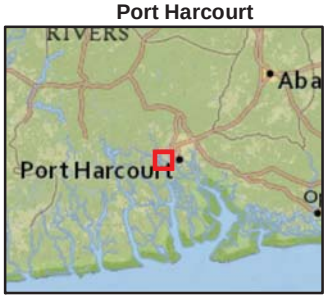

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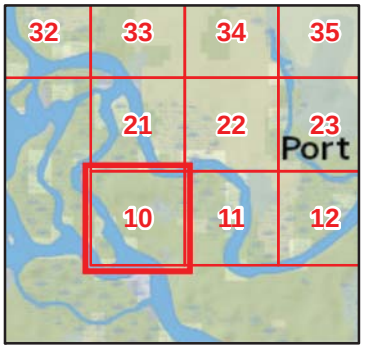

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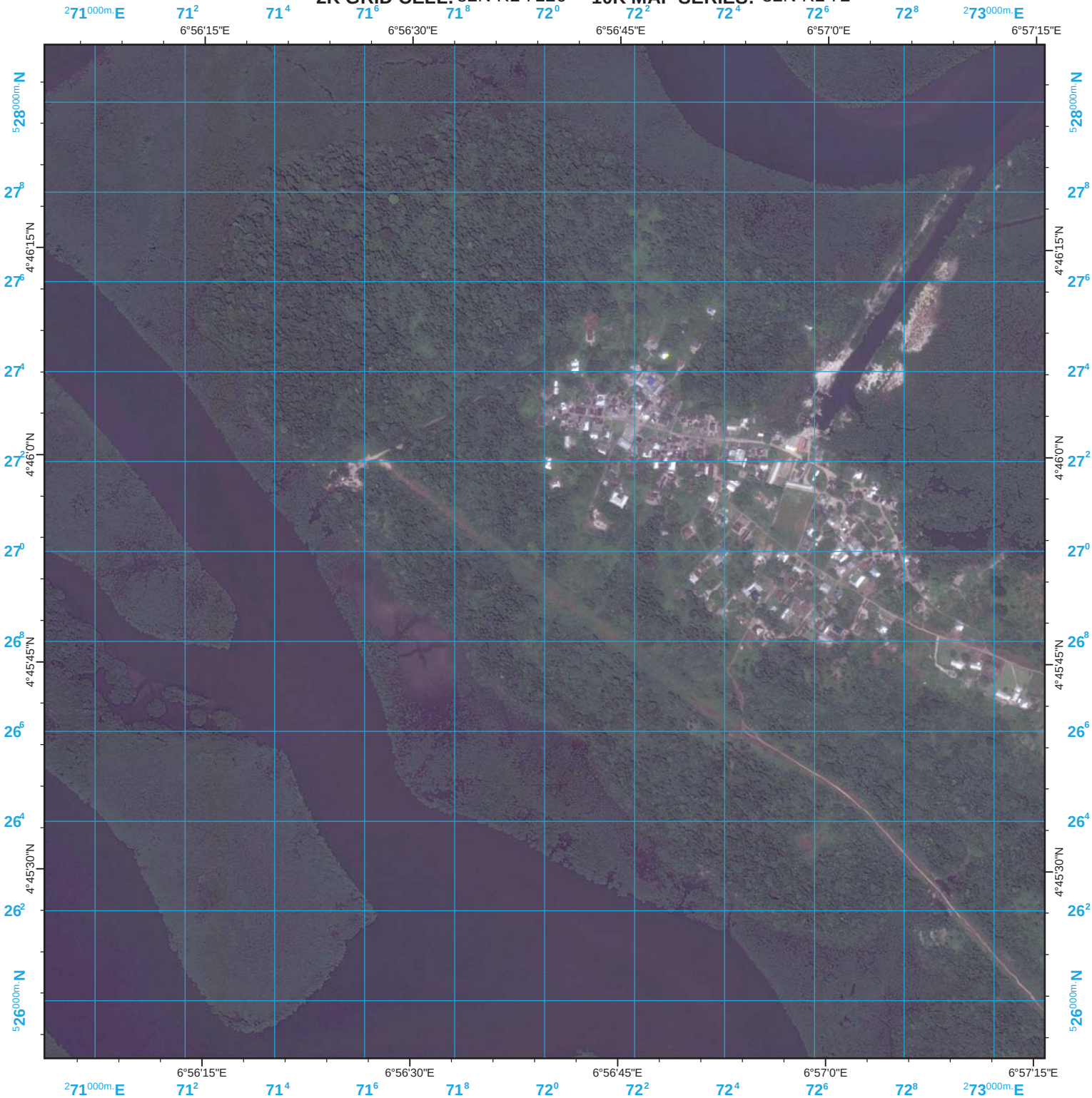

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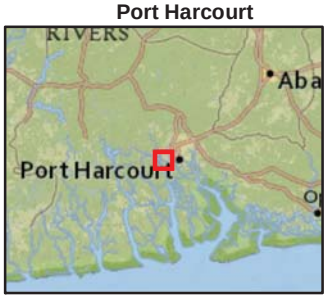

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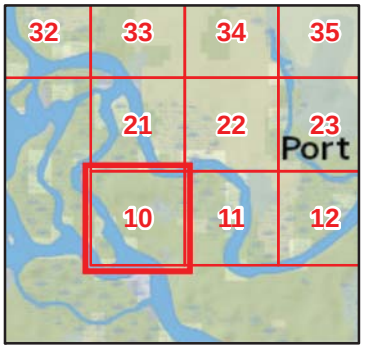

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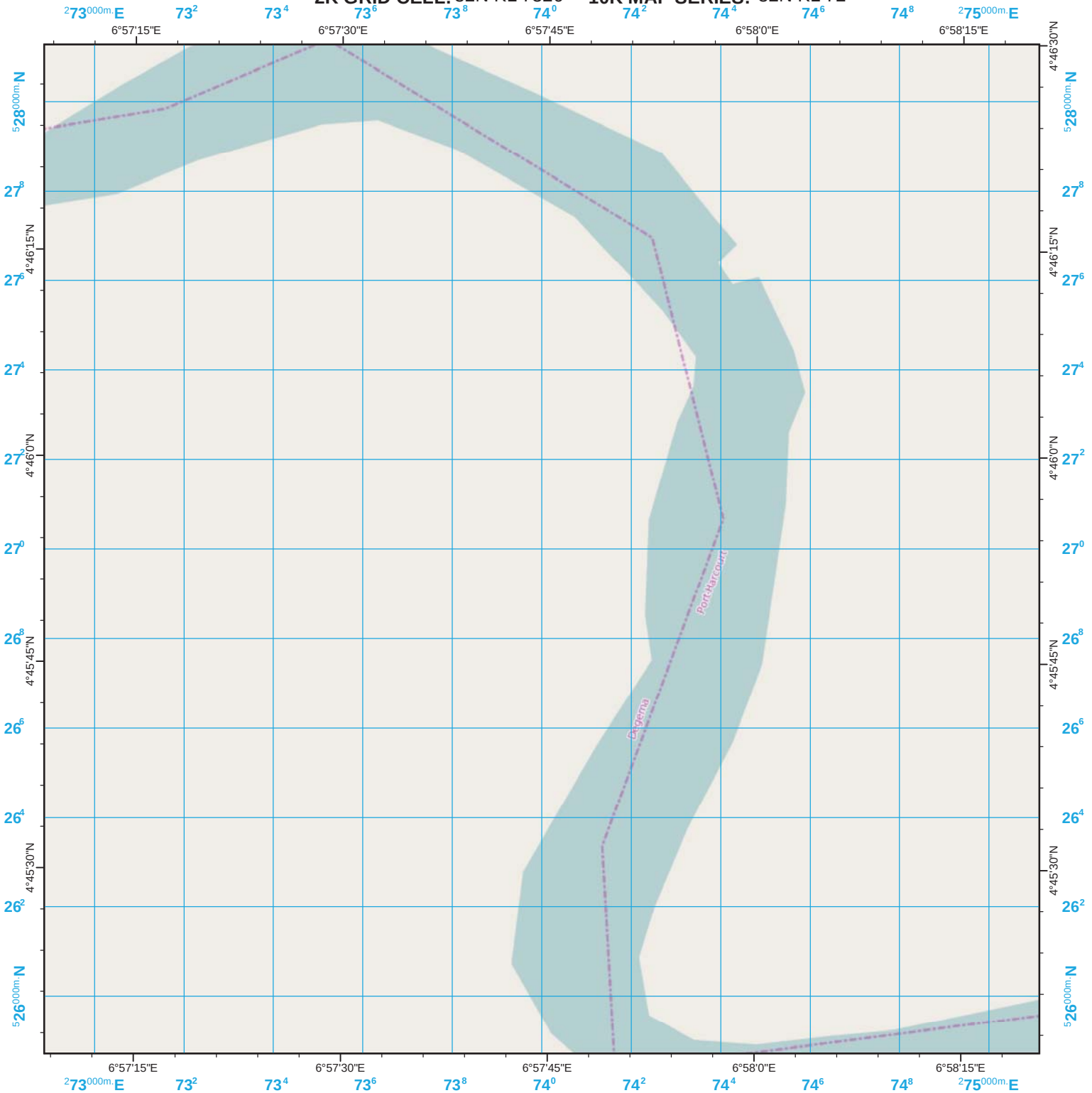

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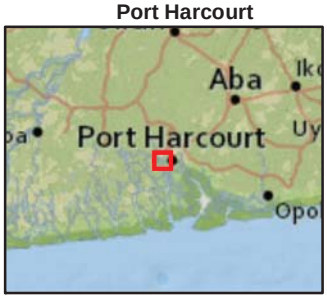
- PLACE OF WORSHIP
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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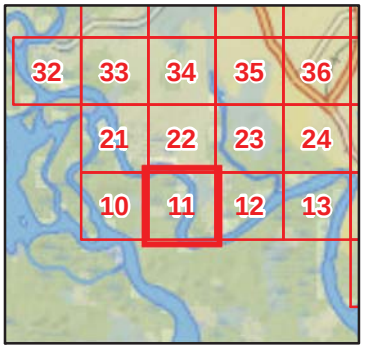
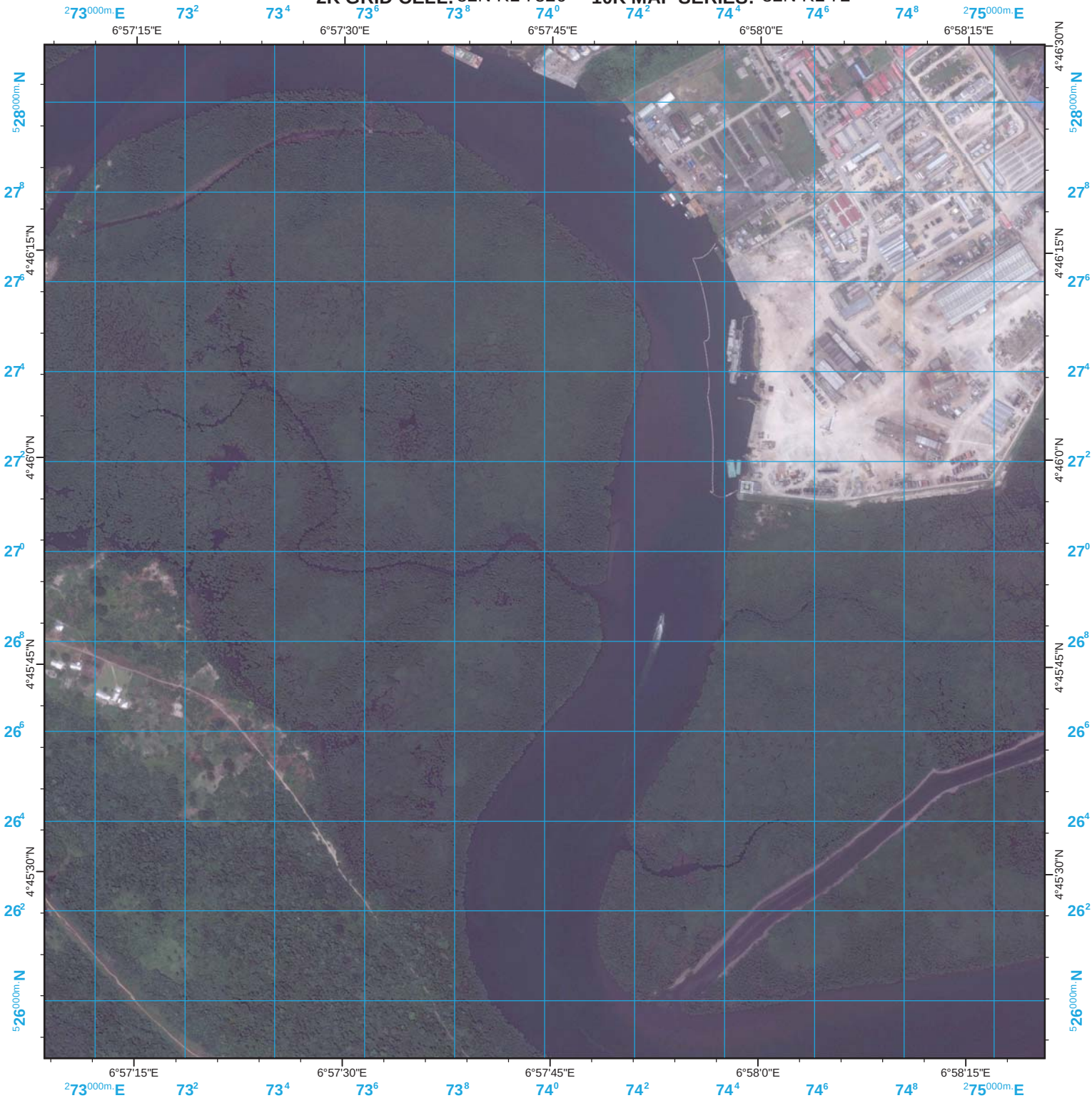


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7326 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
Imagery: ©2013 DigitalGlobe
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
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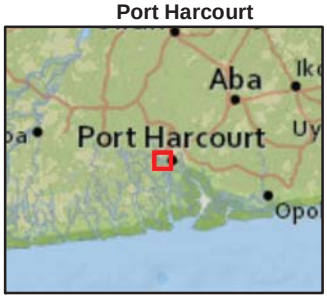
Port Harcourt



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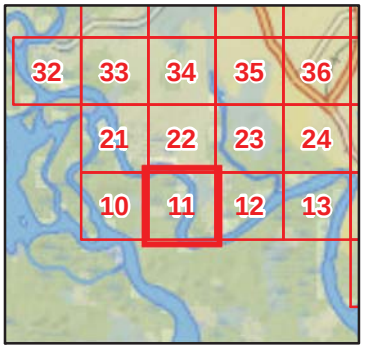
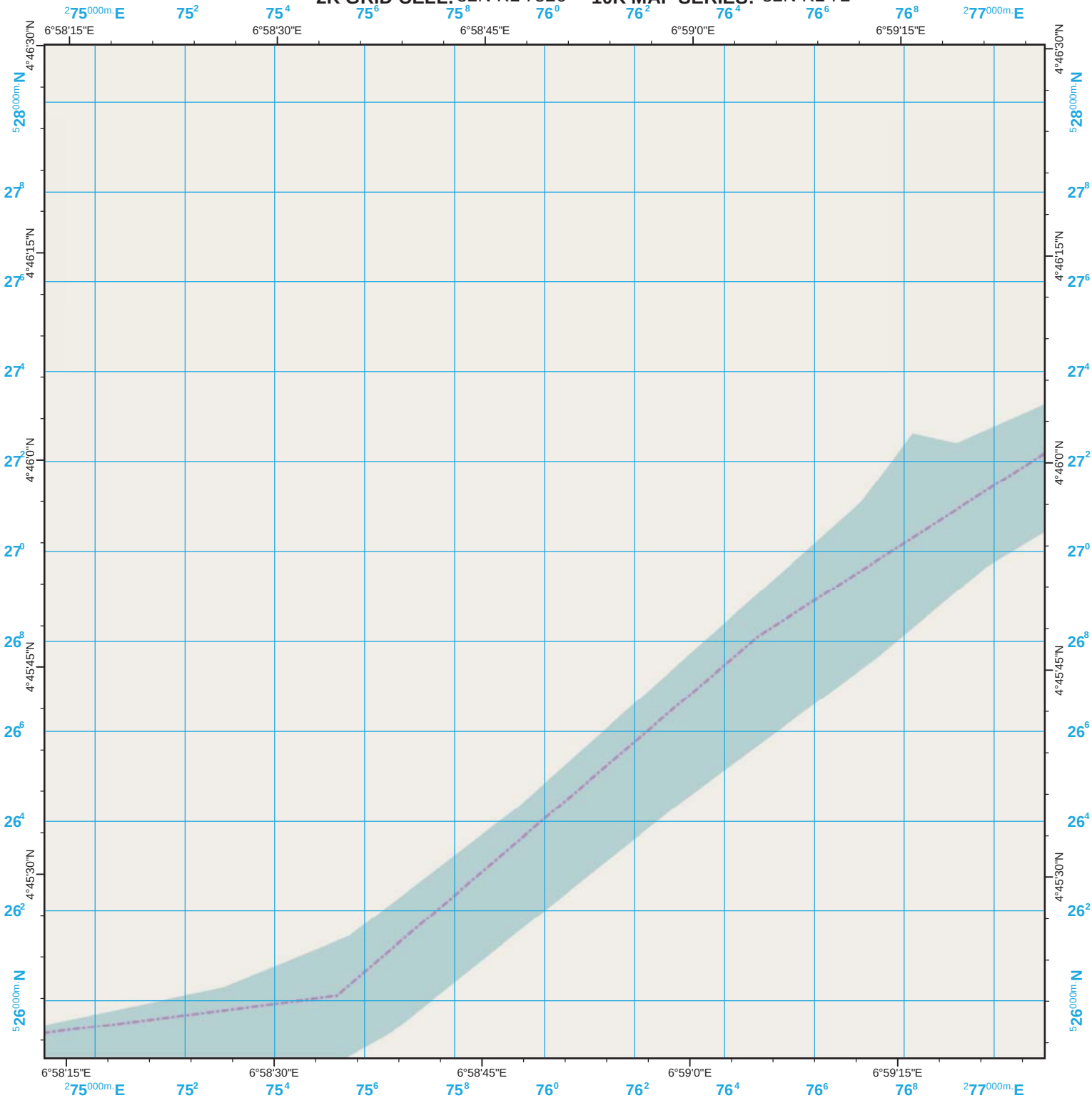


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7526 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
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KL
Grid Zone Designation
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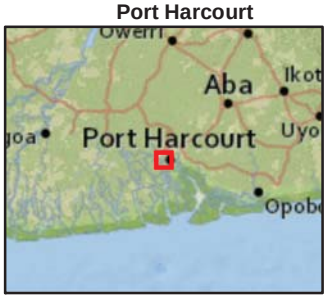

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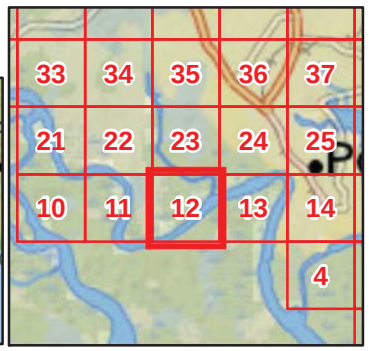
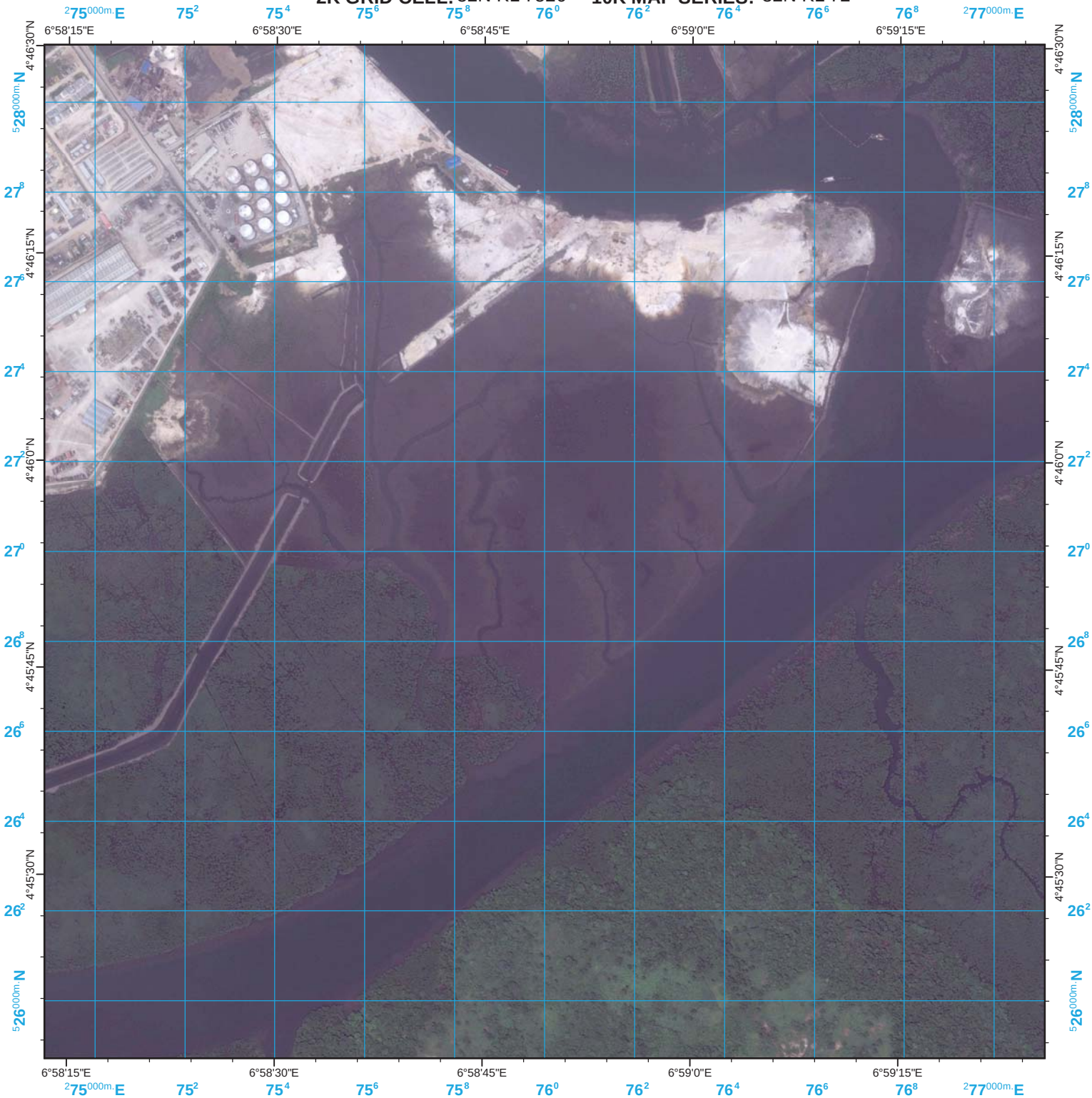


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7526 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
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100,000-m Square Grid: KL
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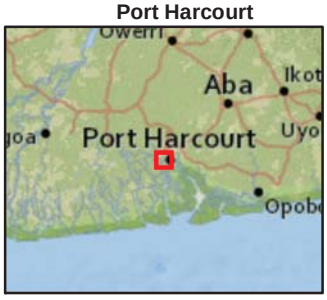

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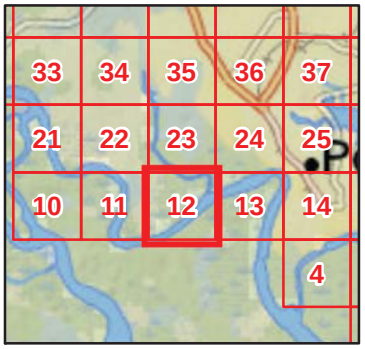
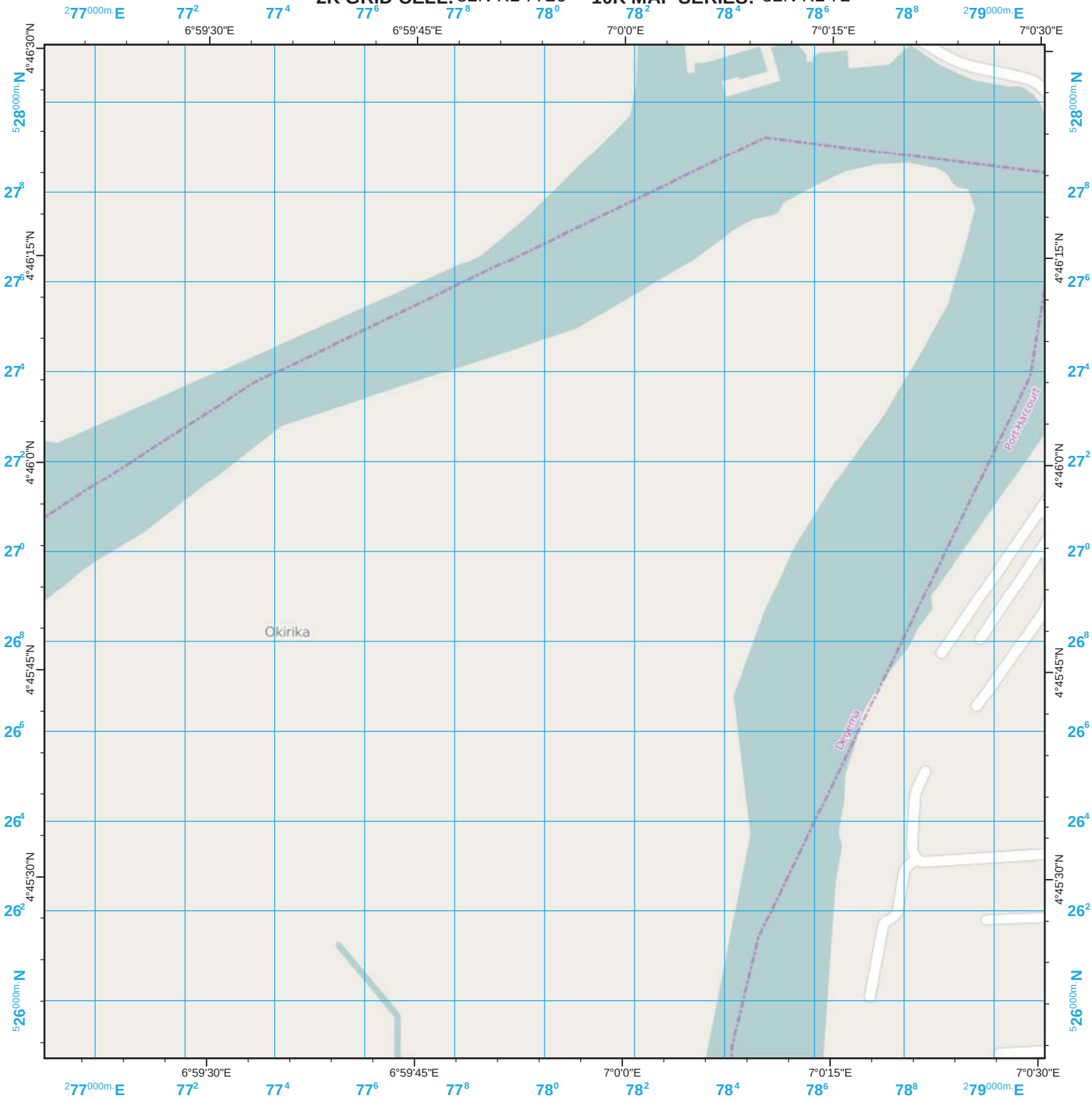


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7726 **10K MAP SERIES:** 32N KL 72



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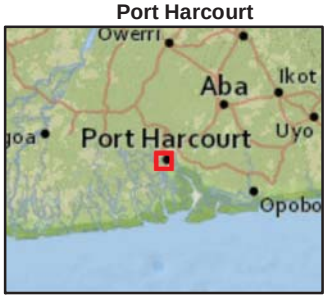

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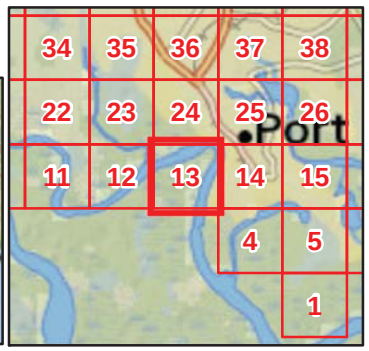
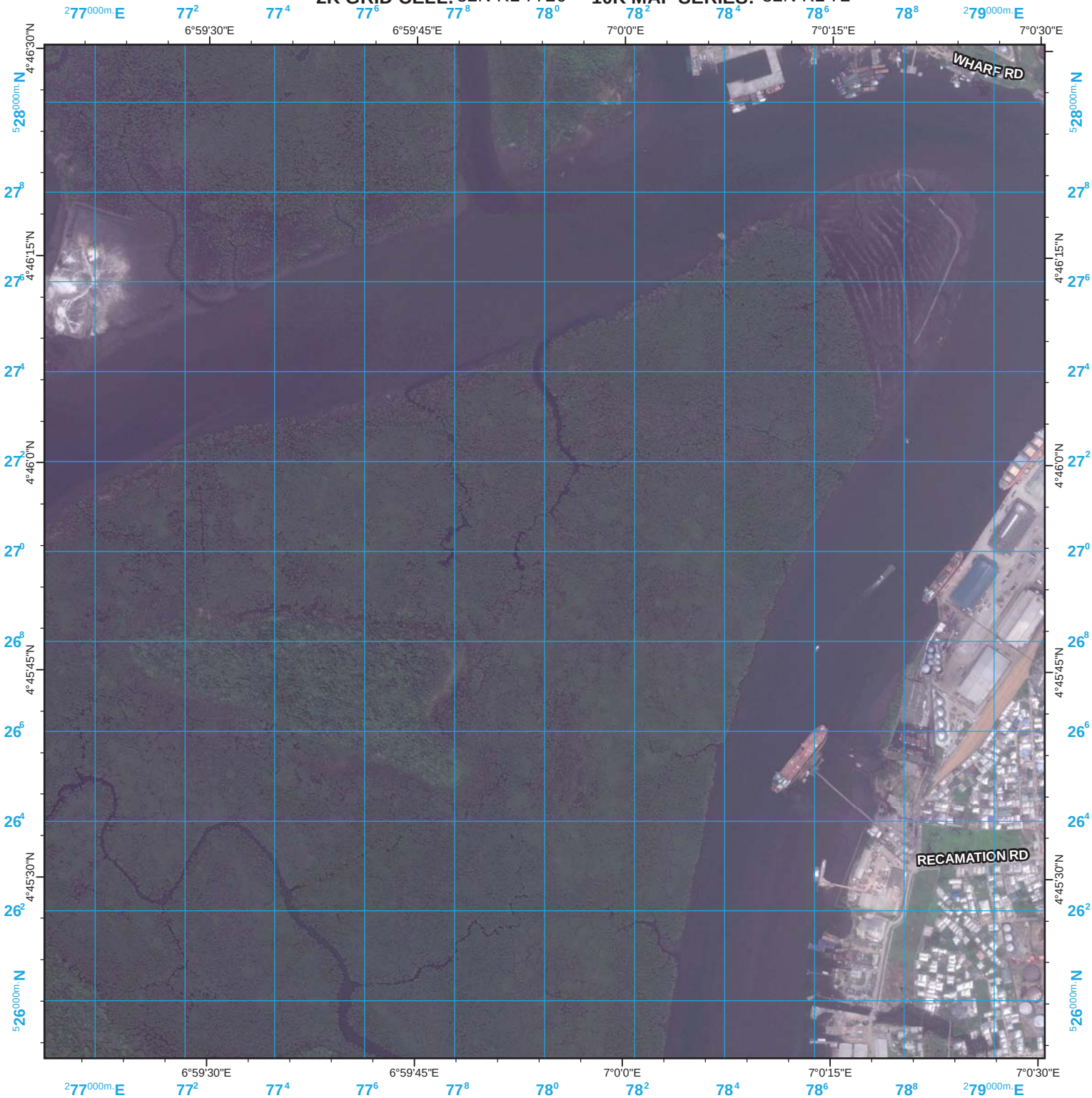


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7726 **10K MAP SERIES:** 32N KL 72



2000-m cell, 200-m grid, MGRS
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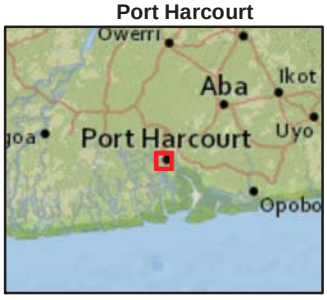
Port Harcourt



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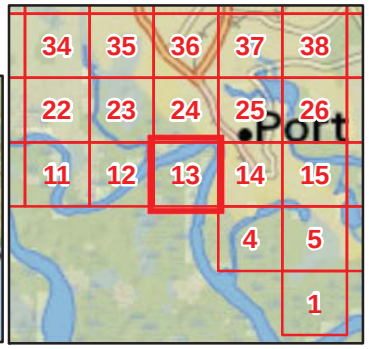

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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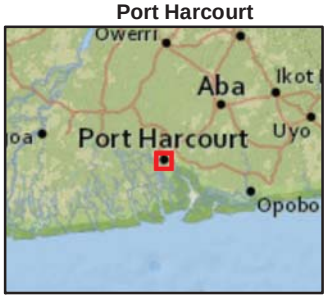

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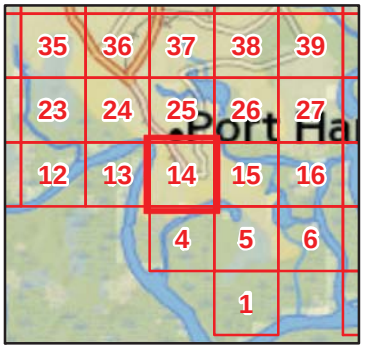

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7926 **10K MAP SERIES:** 32N KL 72

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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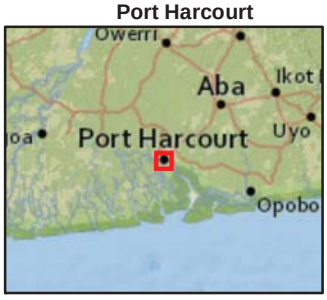
Port Harcourt



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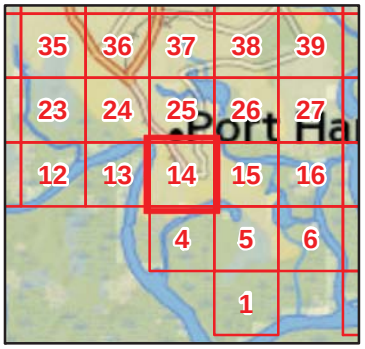
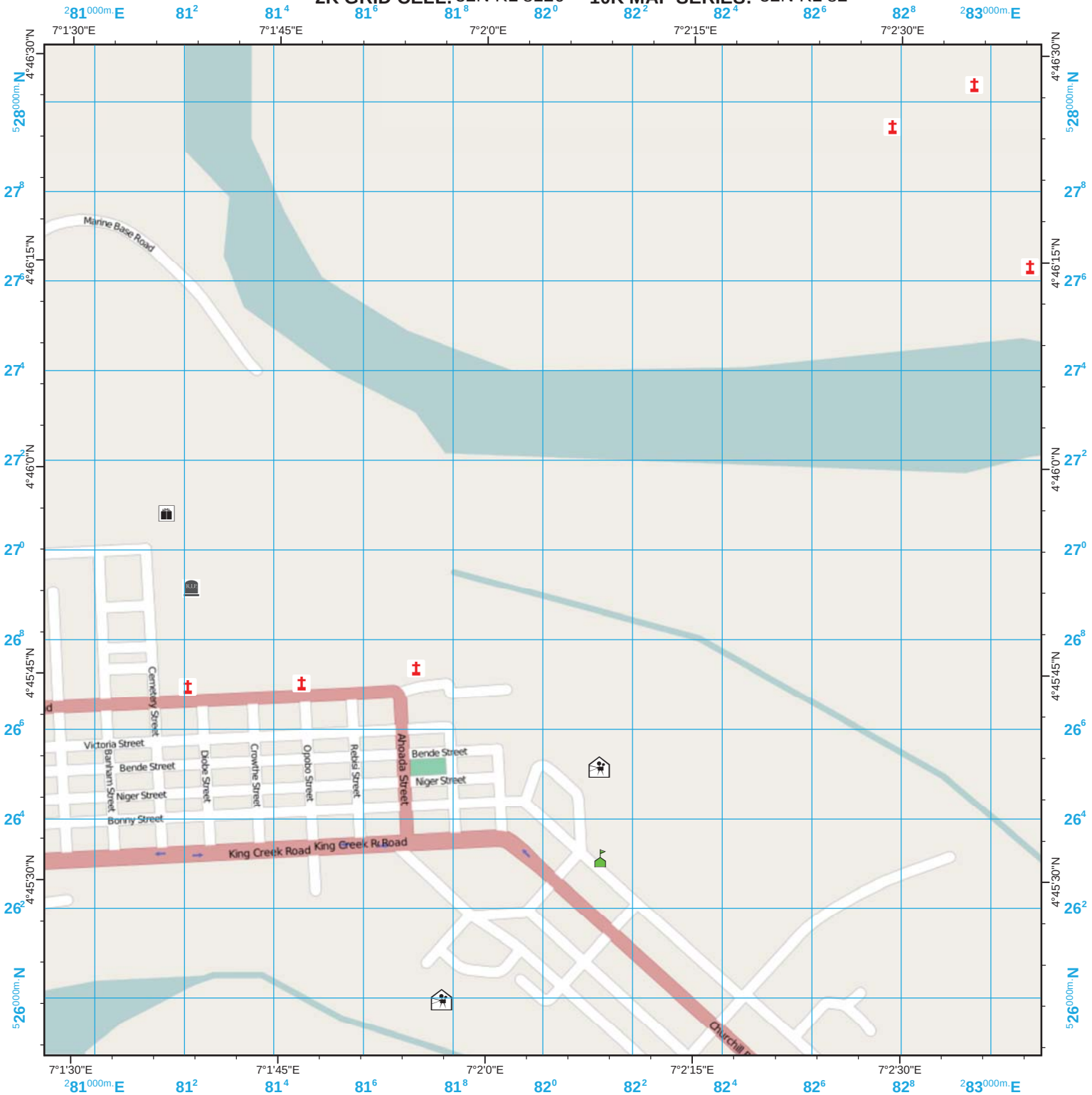


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8126 **10K MAP SERIES:** 32N KL 82



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World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
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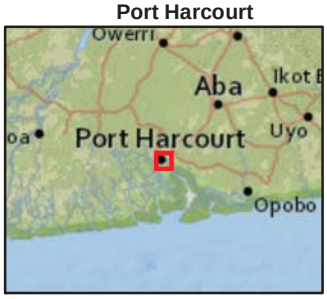
Port Harcourt



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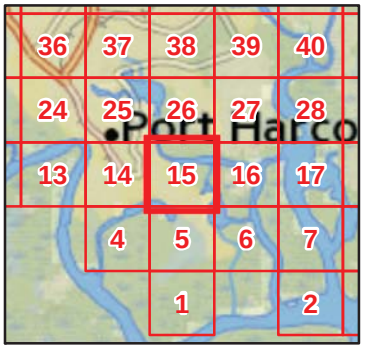
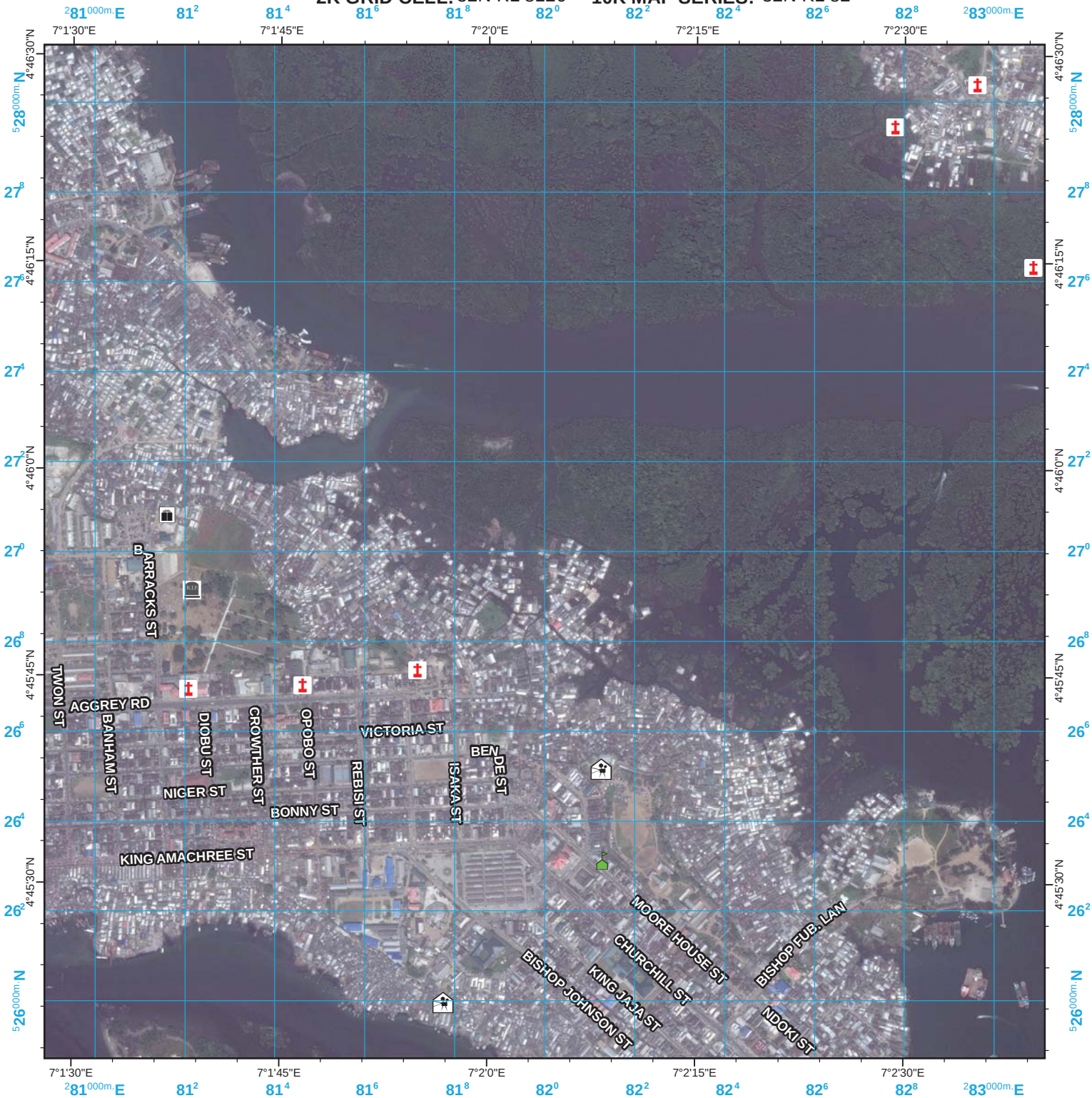


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8126 **10K MAP SERIES:** 32N KL 82



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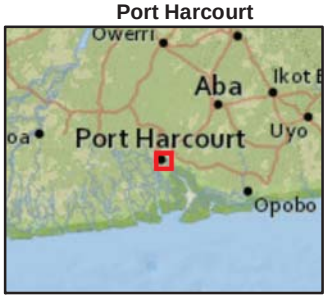

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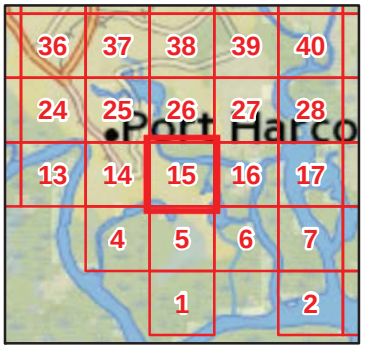
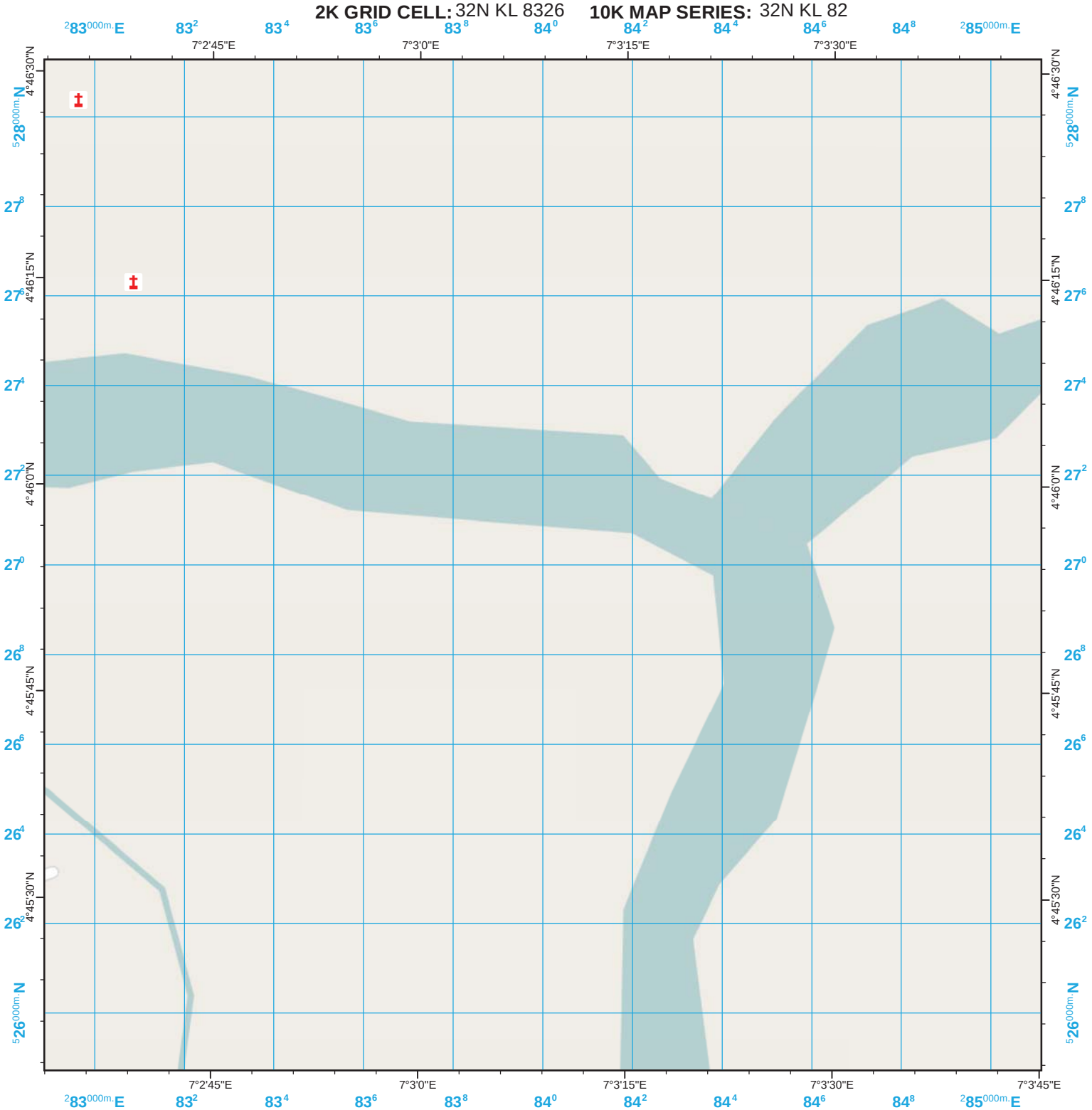


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8326 **10K MAP SERIES:** 32N KL 82



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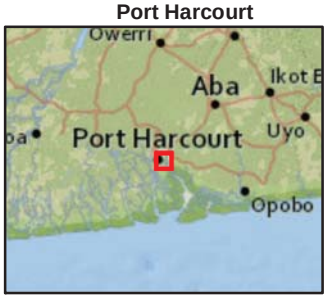

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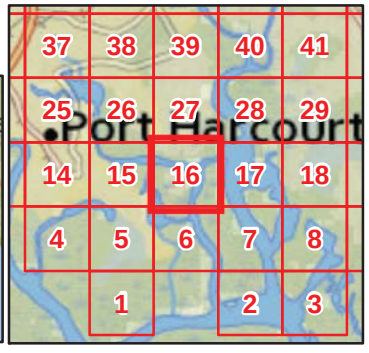
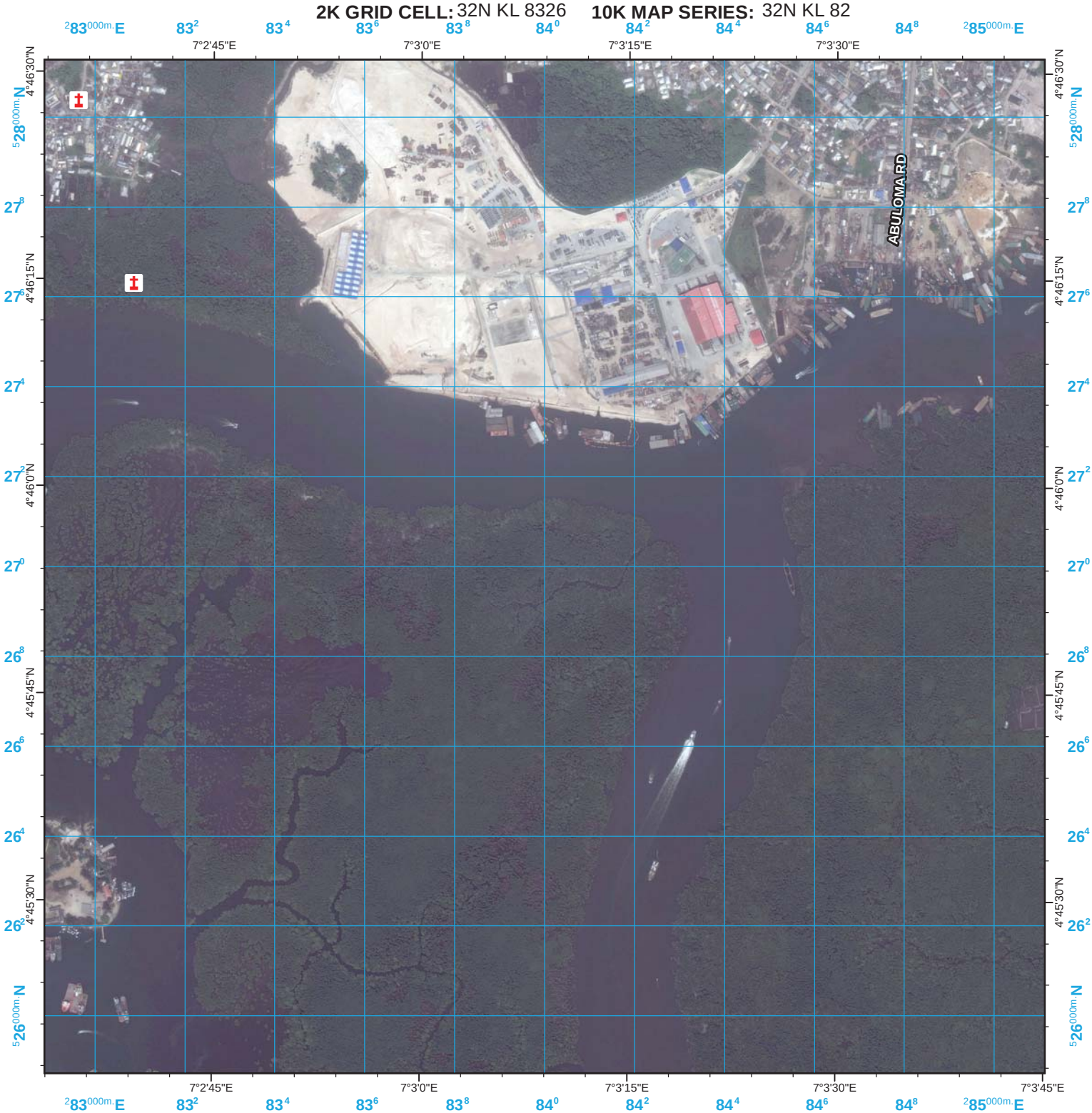


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8326 **10K MAP SERIES:** 32N KL 82



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- POINT OF INTEREST
- POLICE
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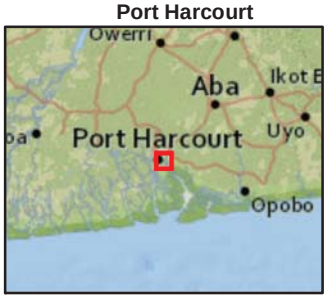
Port Harcourt



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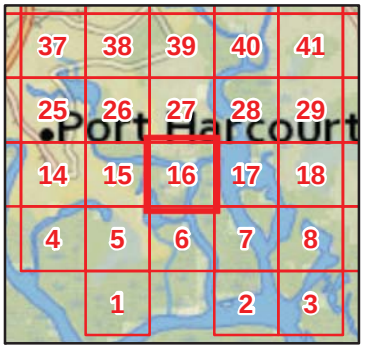
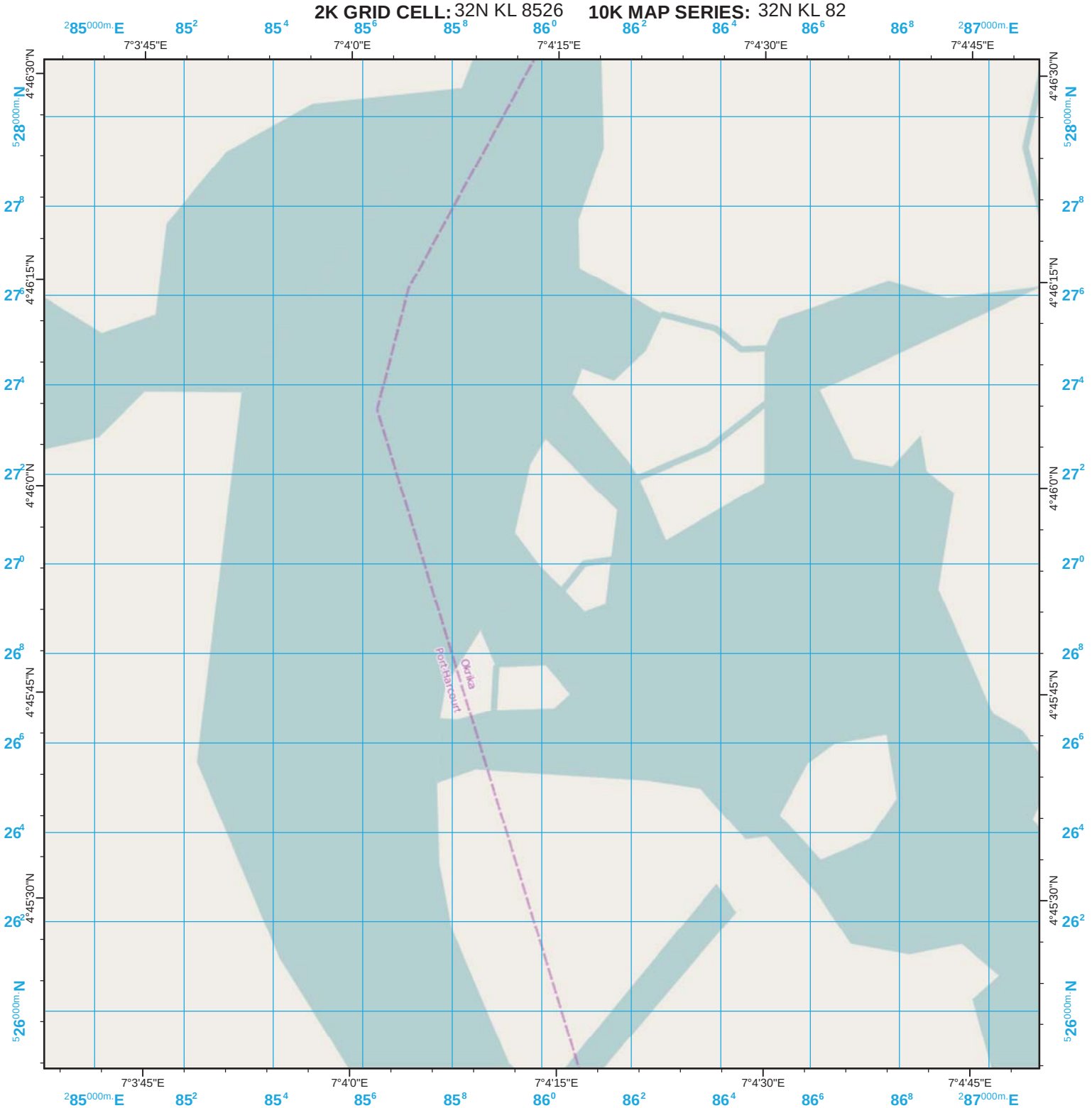


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8526 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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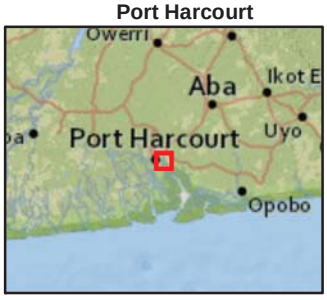
Port Harcourt



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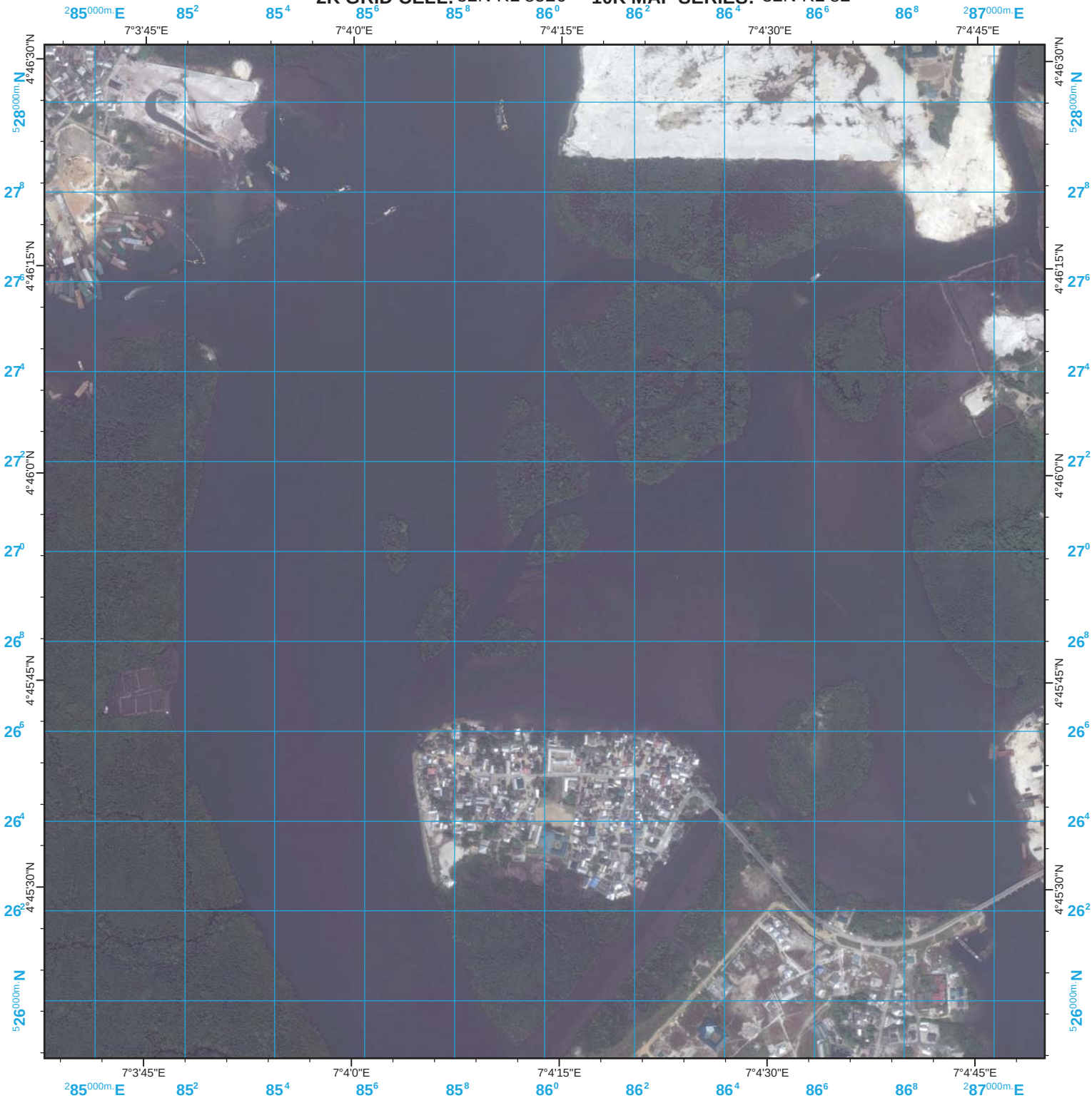
2K GRID CELL: 32N KL 8526 **10K MAP SERIES:** 32N KL 82



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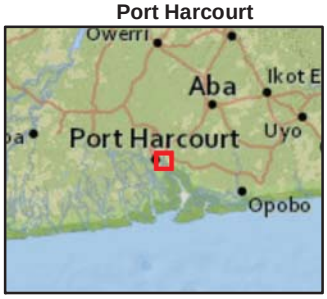

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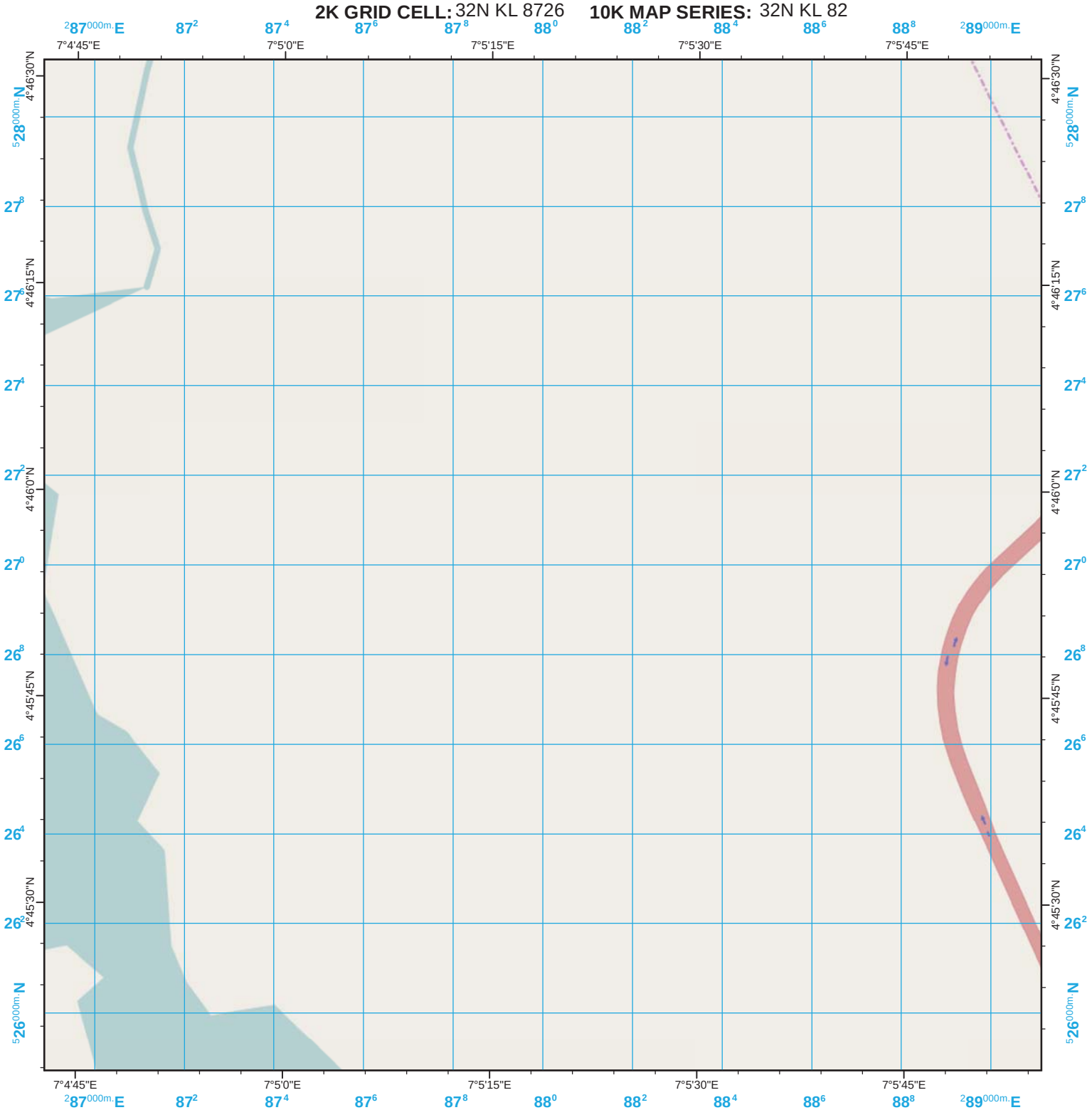
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8726 **10K MAP SERIES:** 32N KL 82



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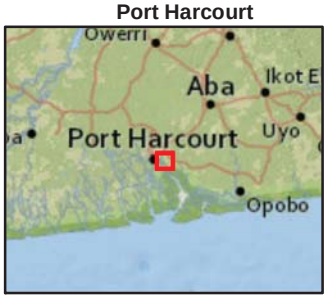

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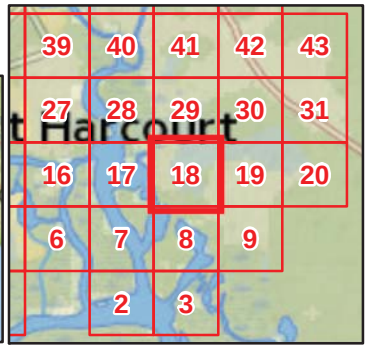
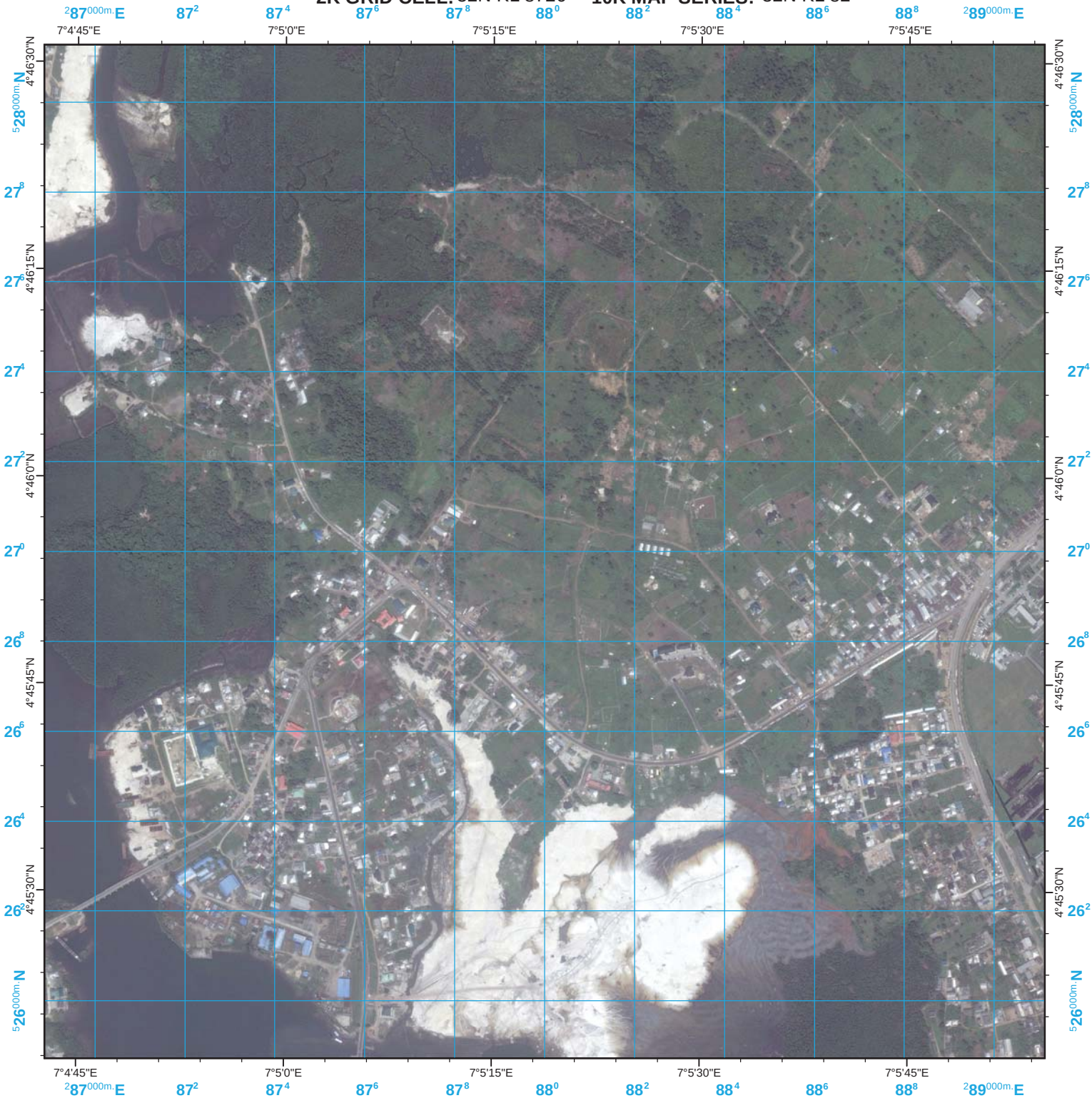


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8726 **10K MAP SERIES:** 32N KL 82



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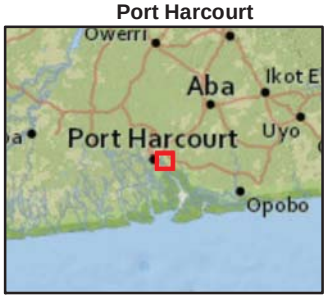

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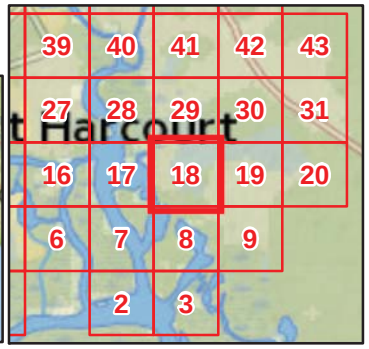
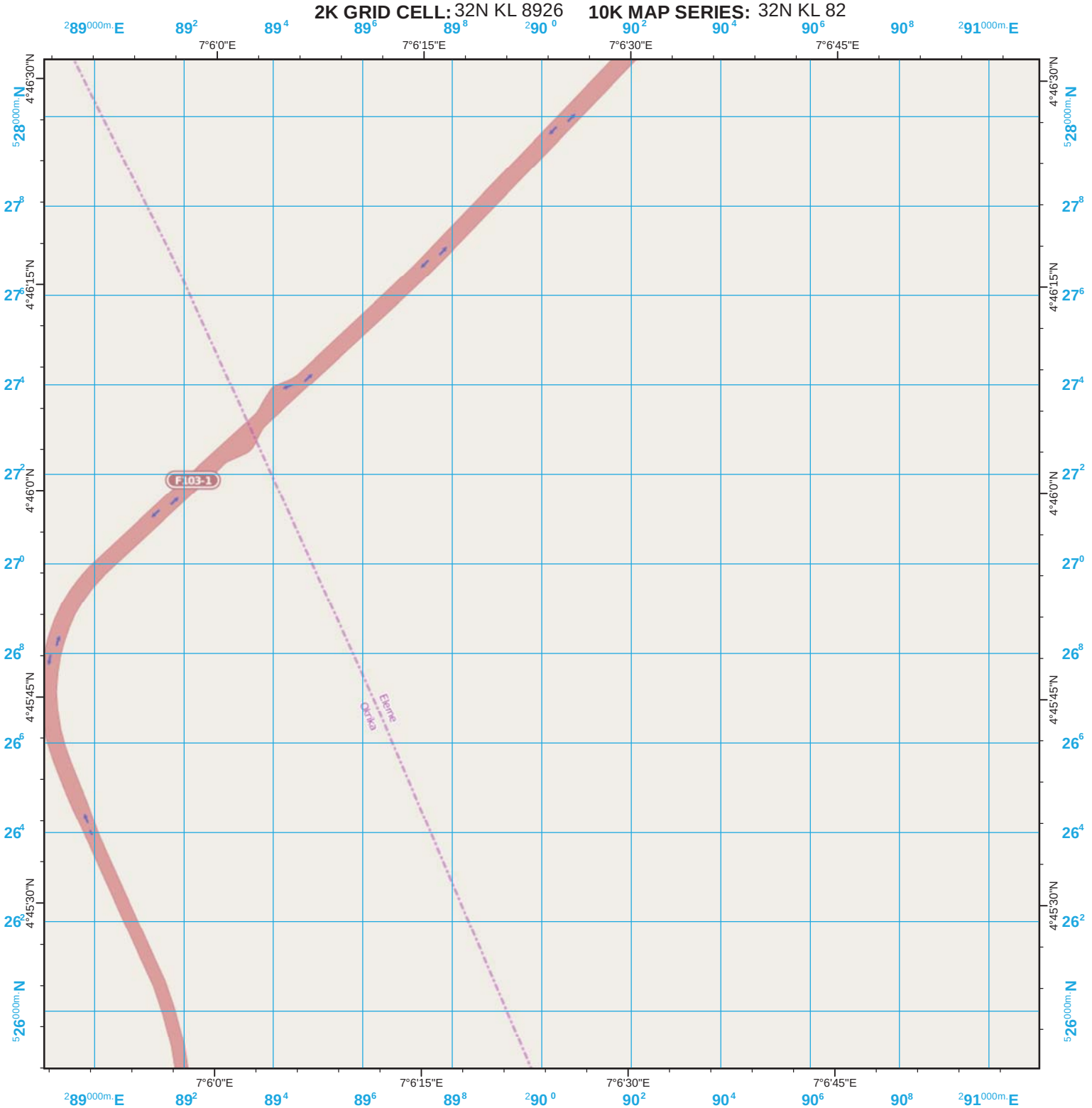


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8926 **10K MAP SERIES:** 32N KL 82



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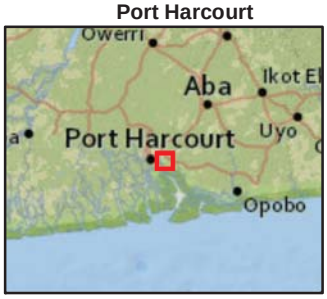

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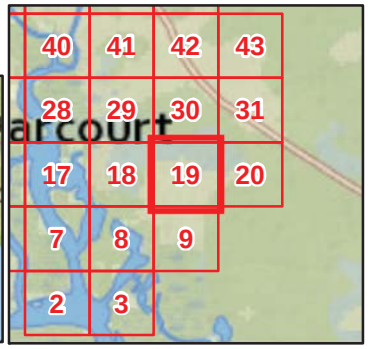
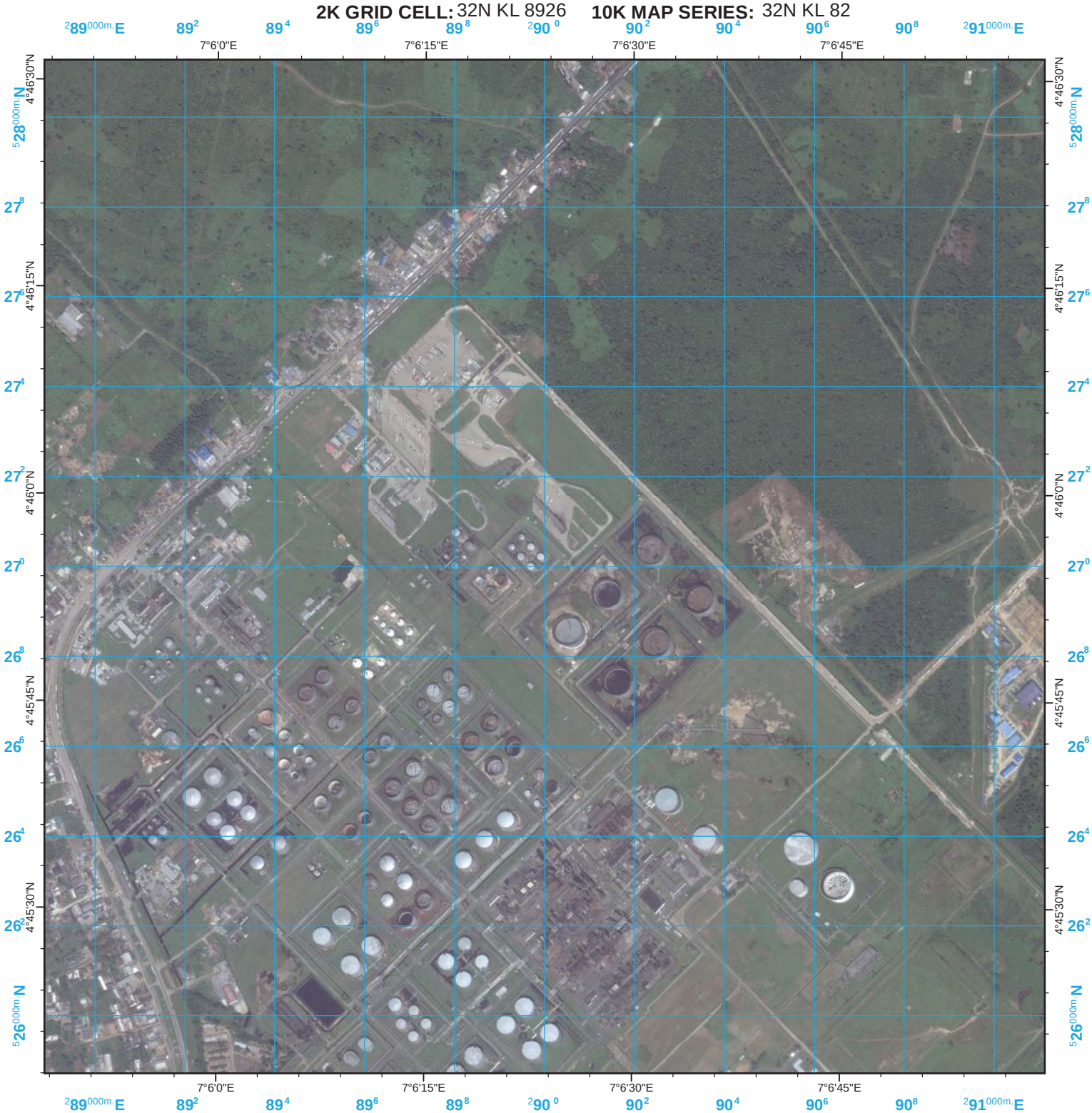


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8926 **10K MAP SERIES:** 32N KL 82



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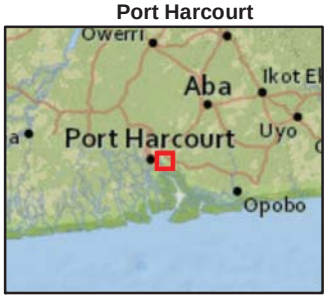

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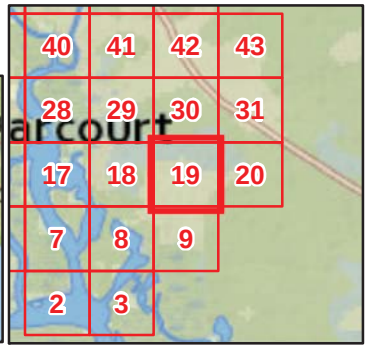

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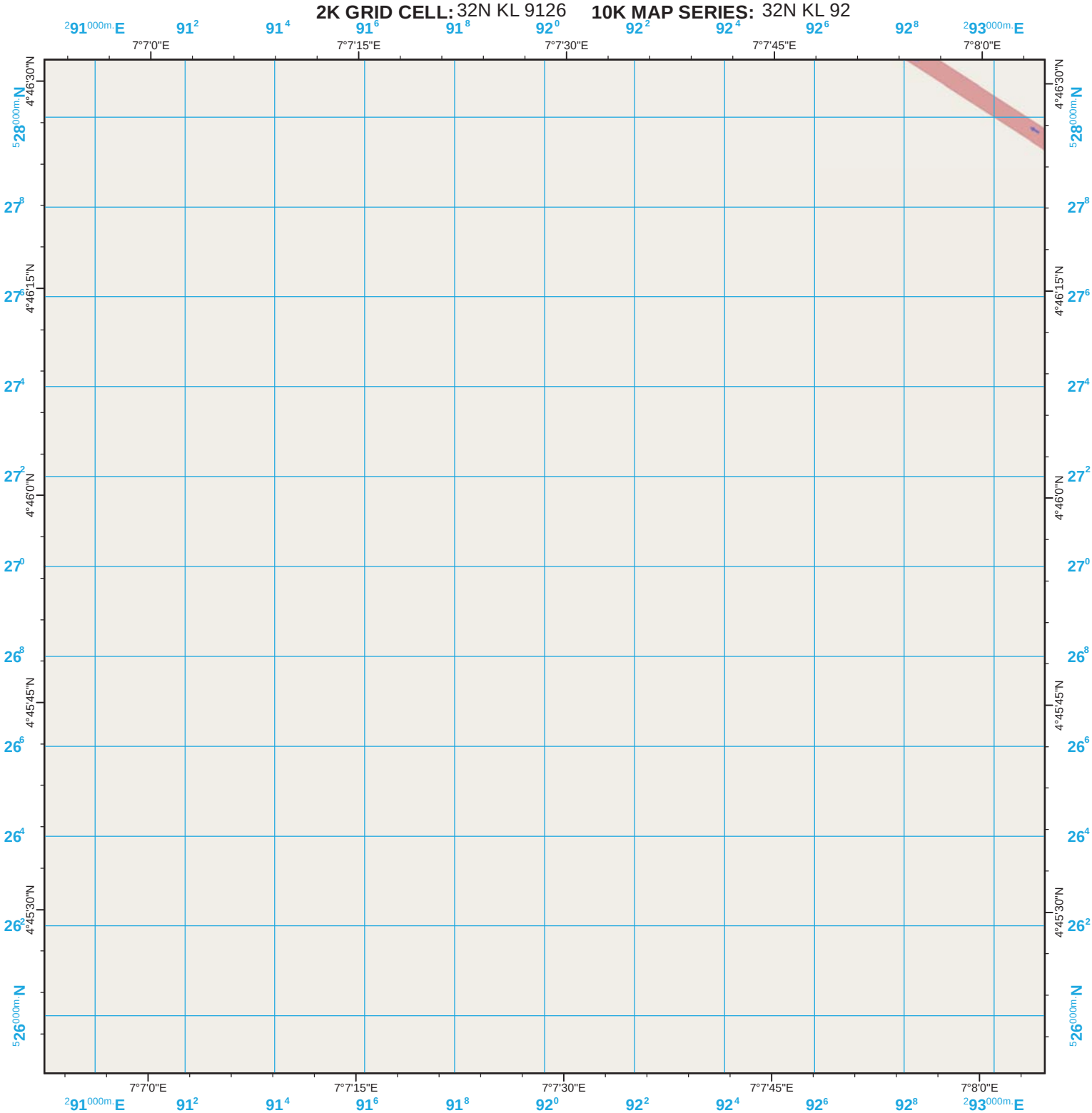
2K GRID CELL: 32N KL 9126 **10K MAP SERIES:** 32N KL 92



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100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
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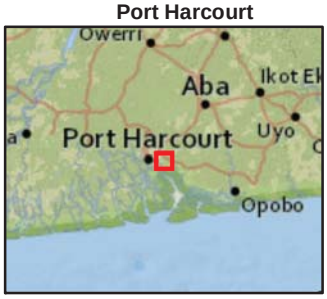
Port Harcourt



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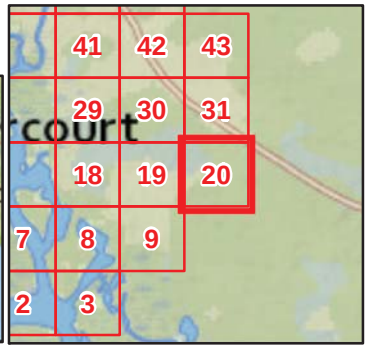
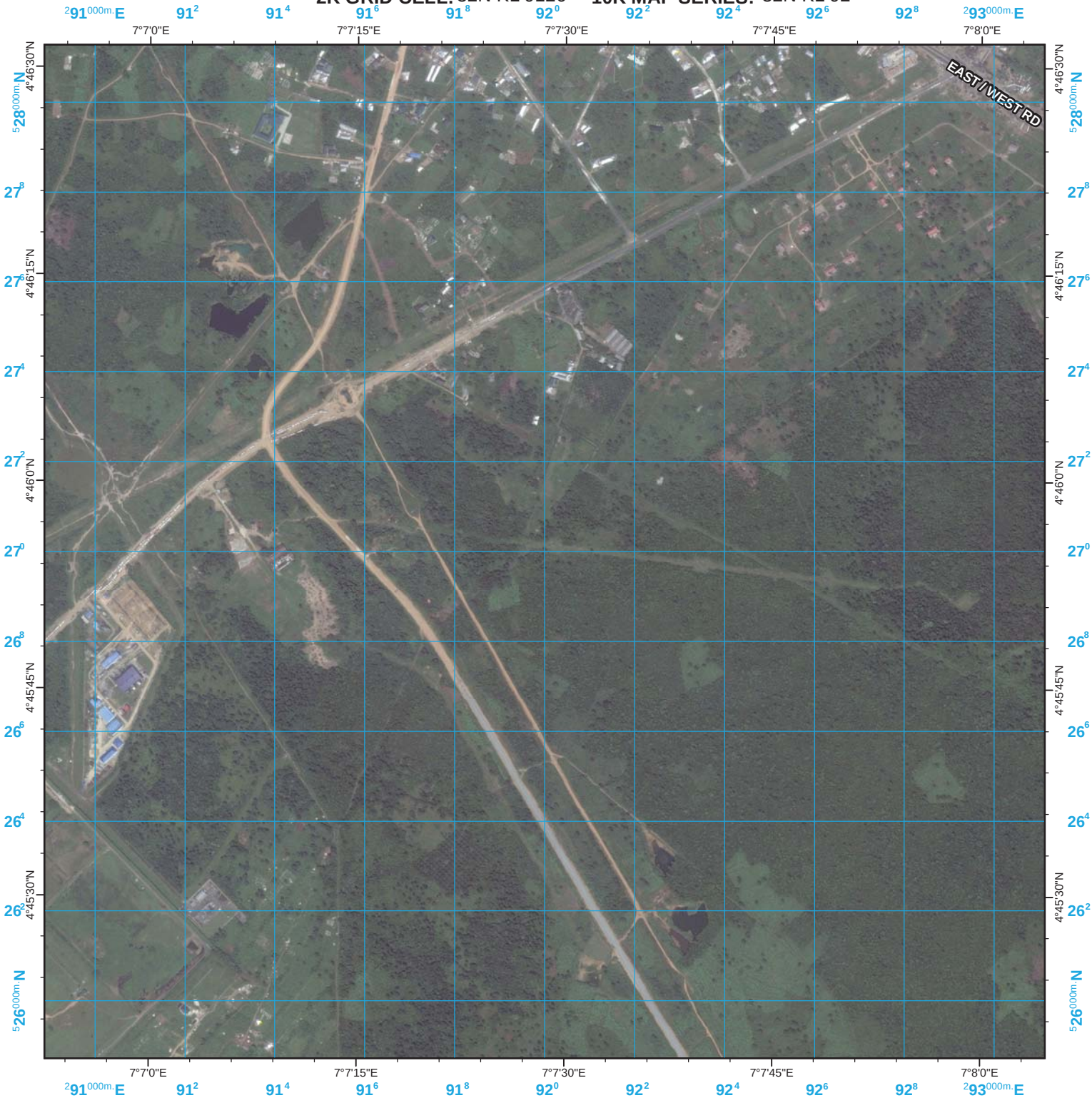


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9126 **10K MAP SERIES:** 32N KL 92



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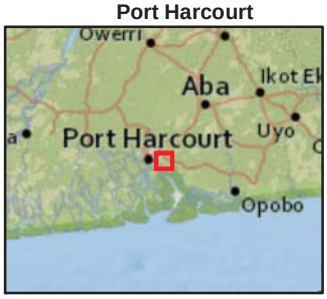
Port Harcourt



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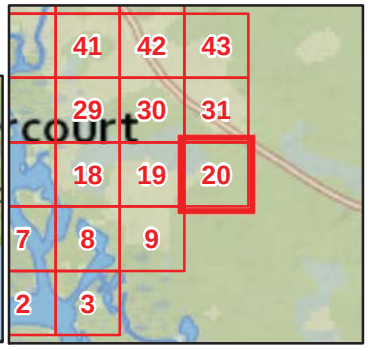

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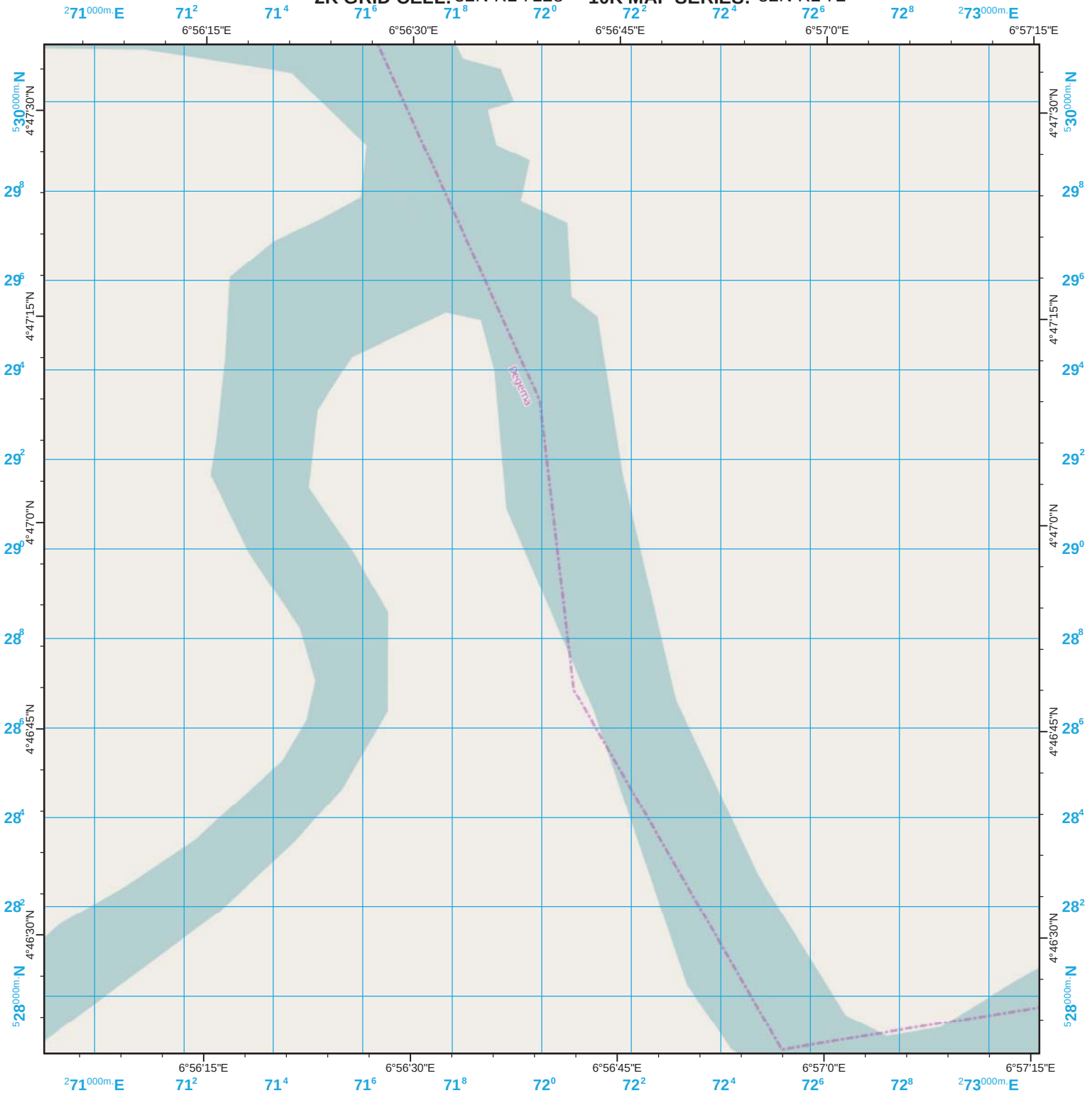

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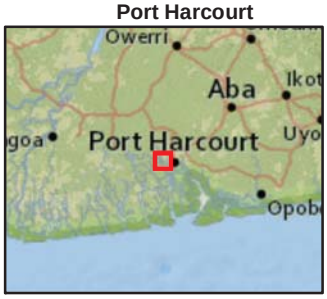

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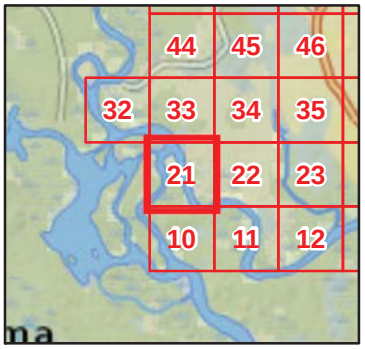

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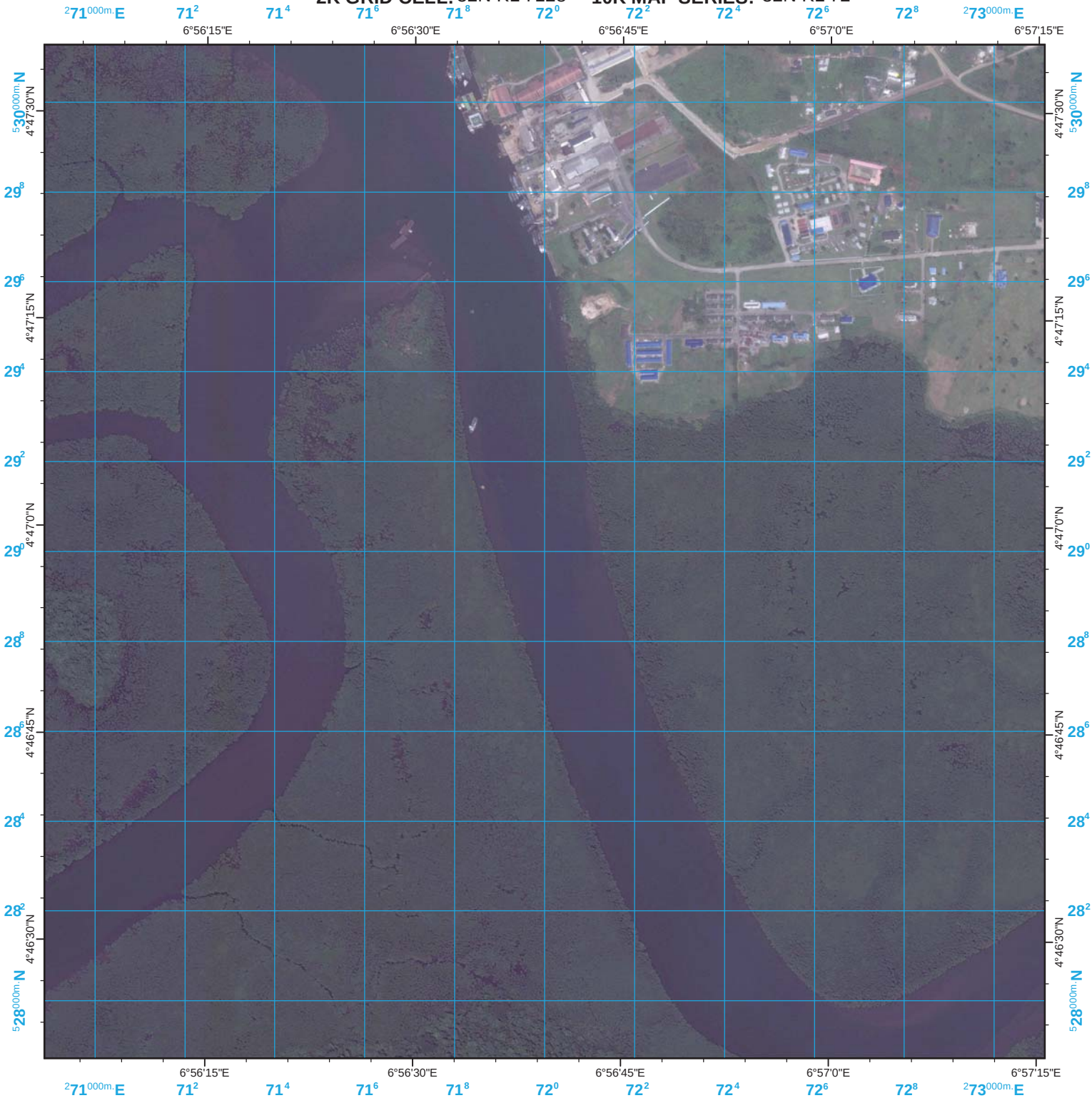

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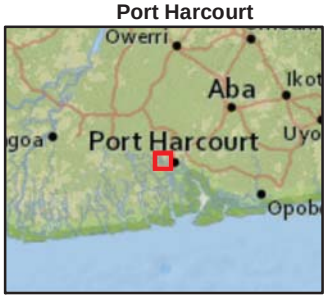

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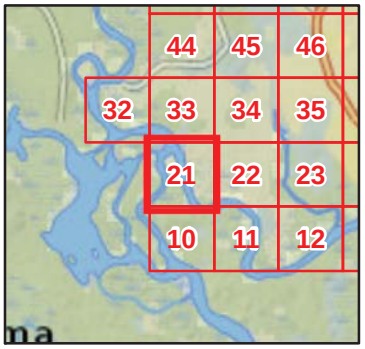

PORT HARCOURT, NIGERIA

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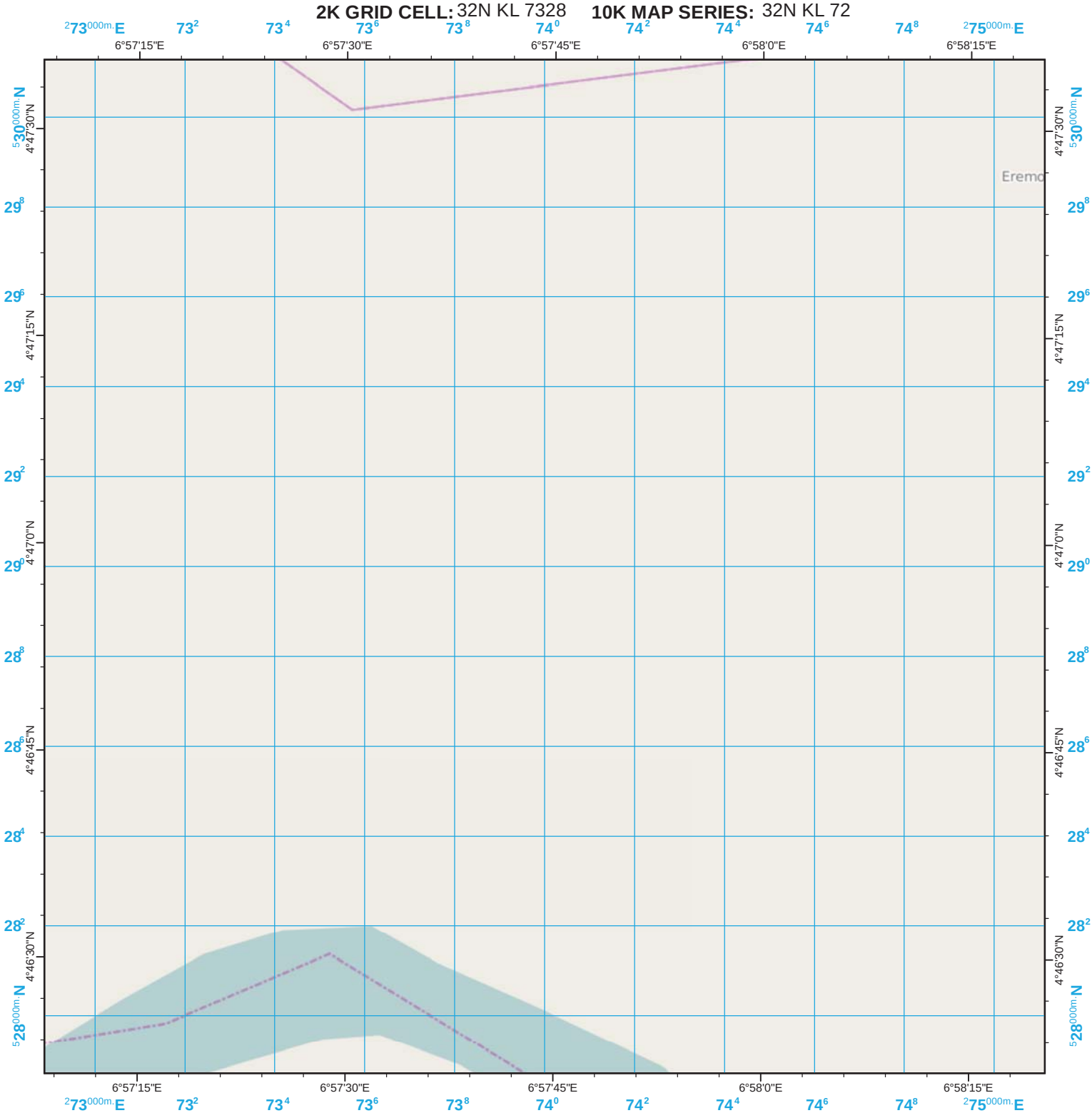

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Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- POINT OF INTEREST
- POLICE
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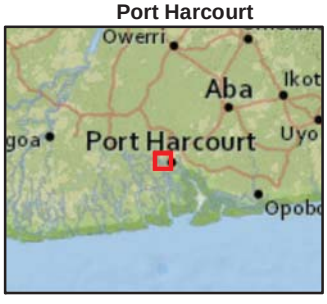
Port Harcourt



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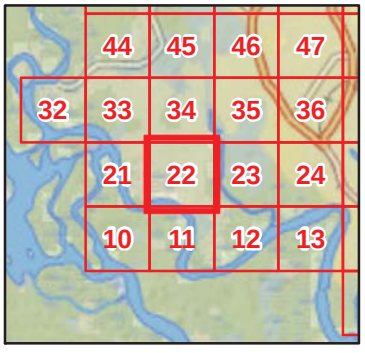

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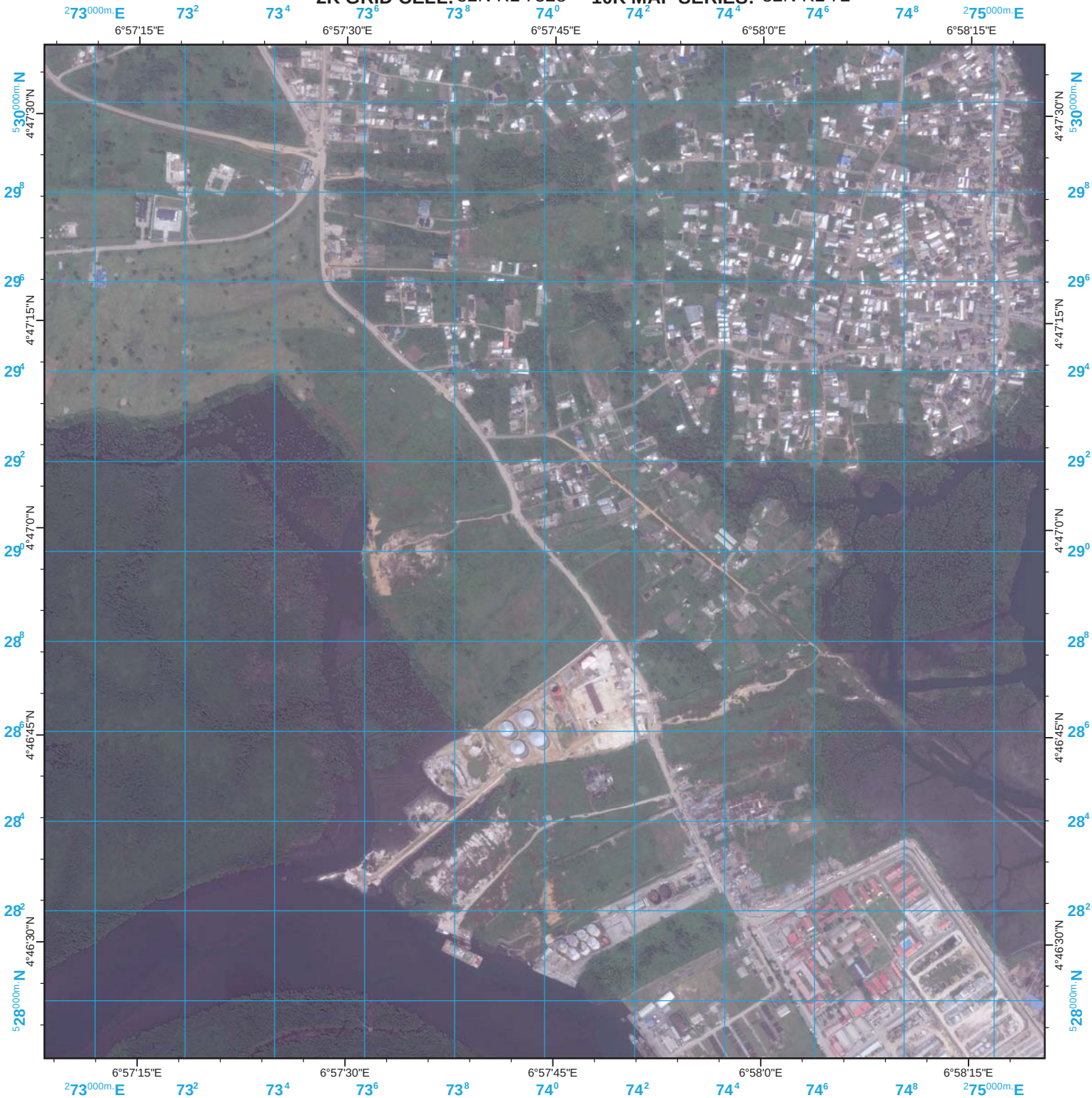
2K GRID CELL: 32N KL 7328 **10K MAP SERIES:** 32N KL 72



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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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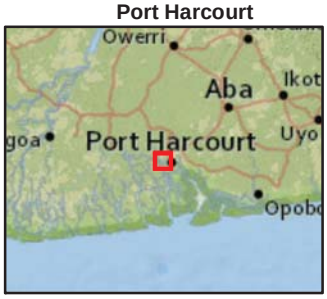

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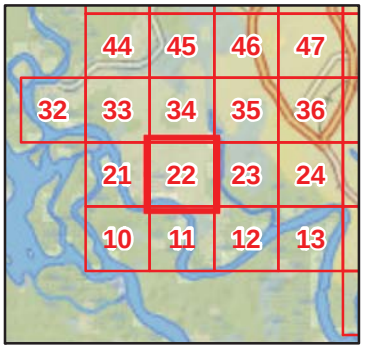
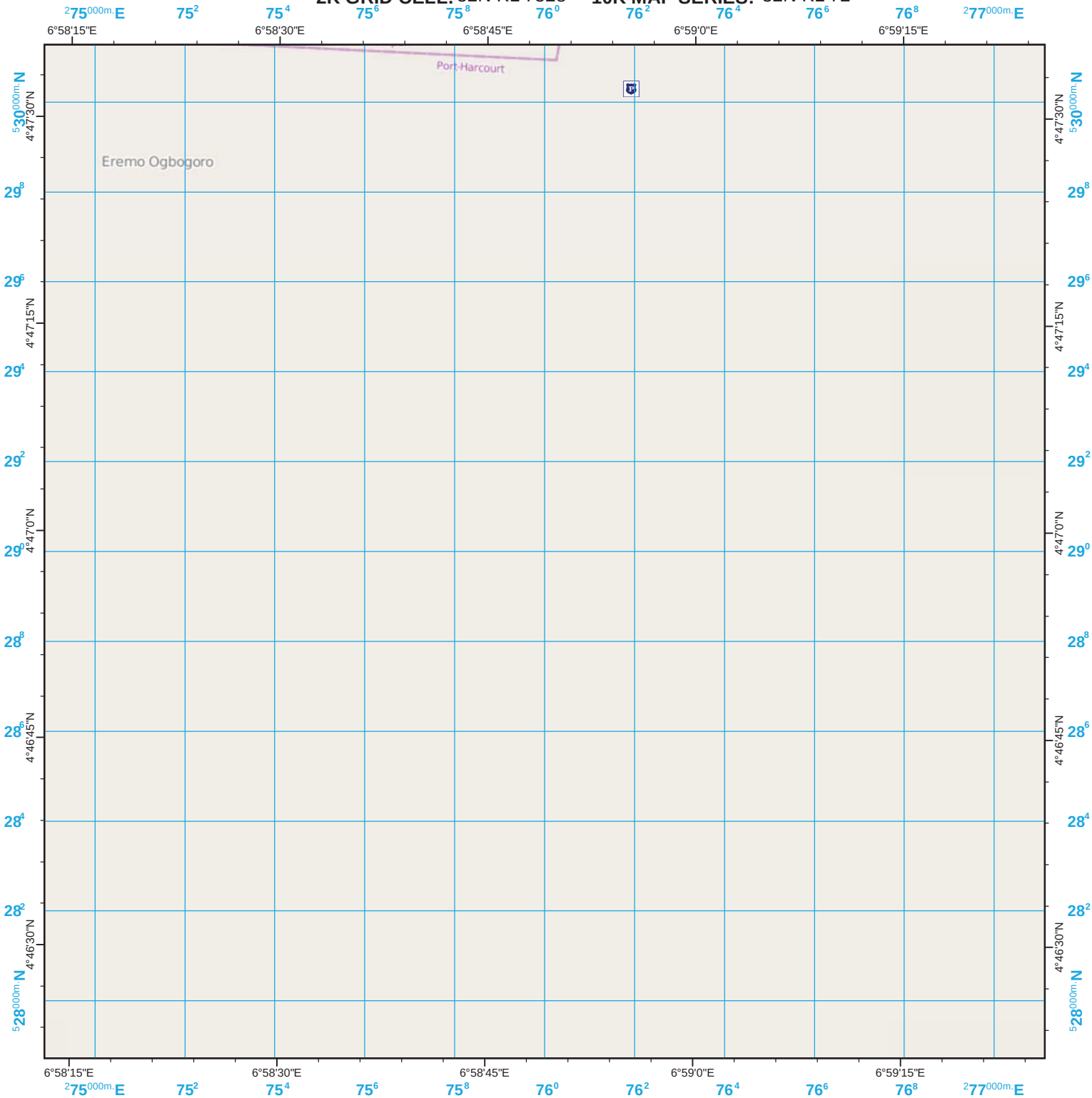


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7528 **10K MAP SERIES:** 32N KL 72



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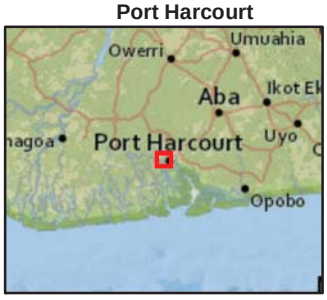
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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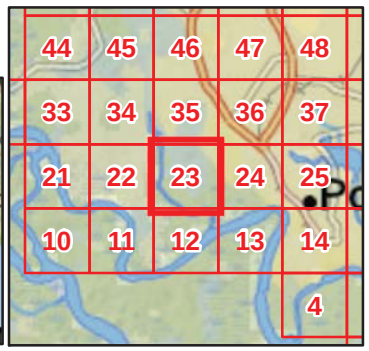

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100,000-m Square Grid: KL
Grid Zone Designation: 32N

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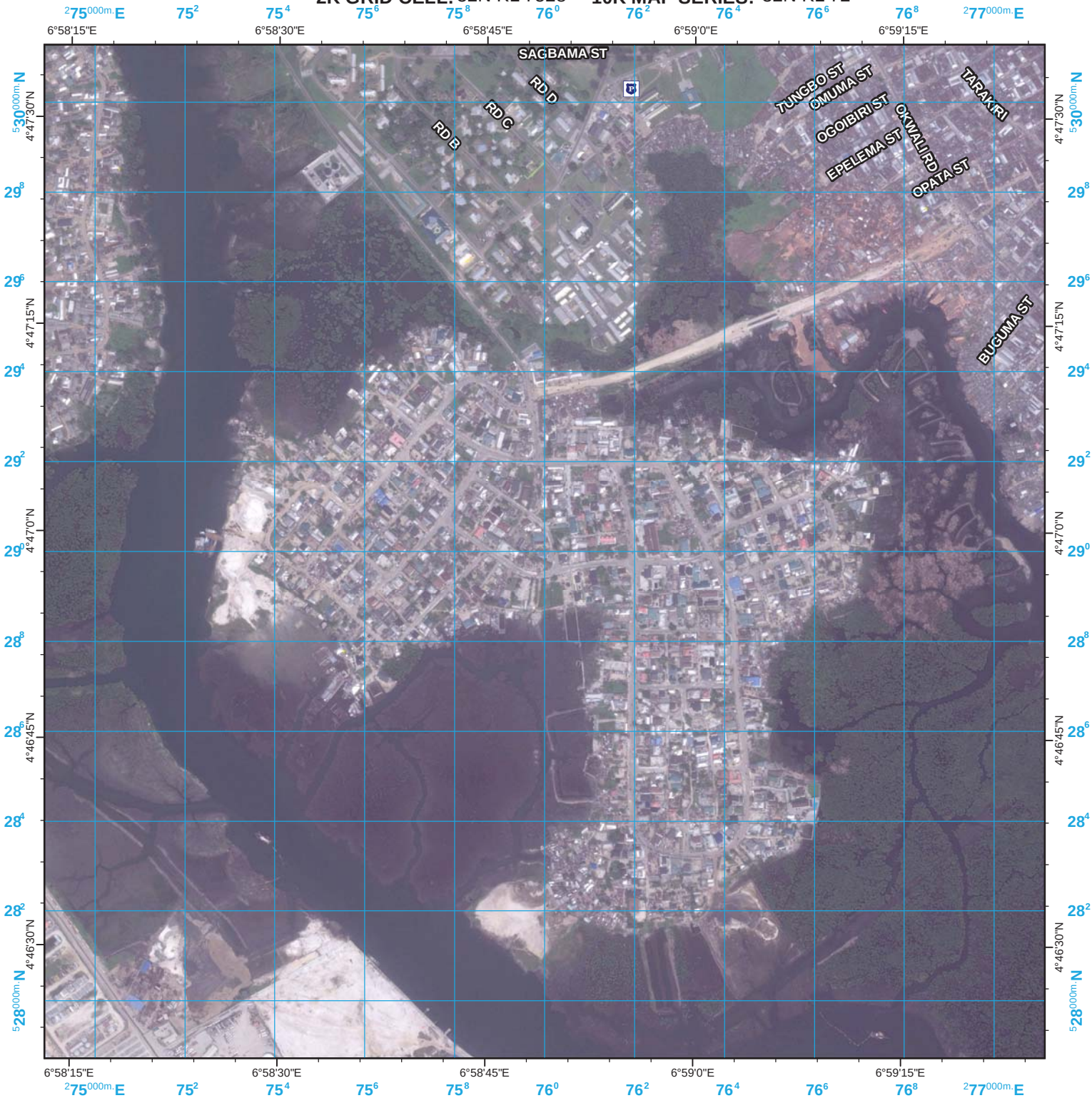
2K GRID CELL: 32N KL 7528 **10K MAP SERIES:** 32N KL 72



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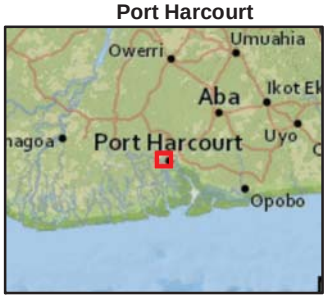

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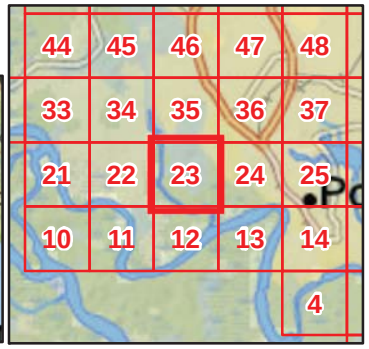

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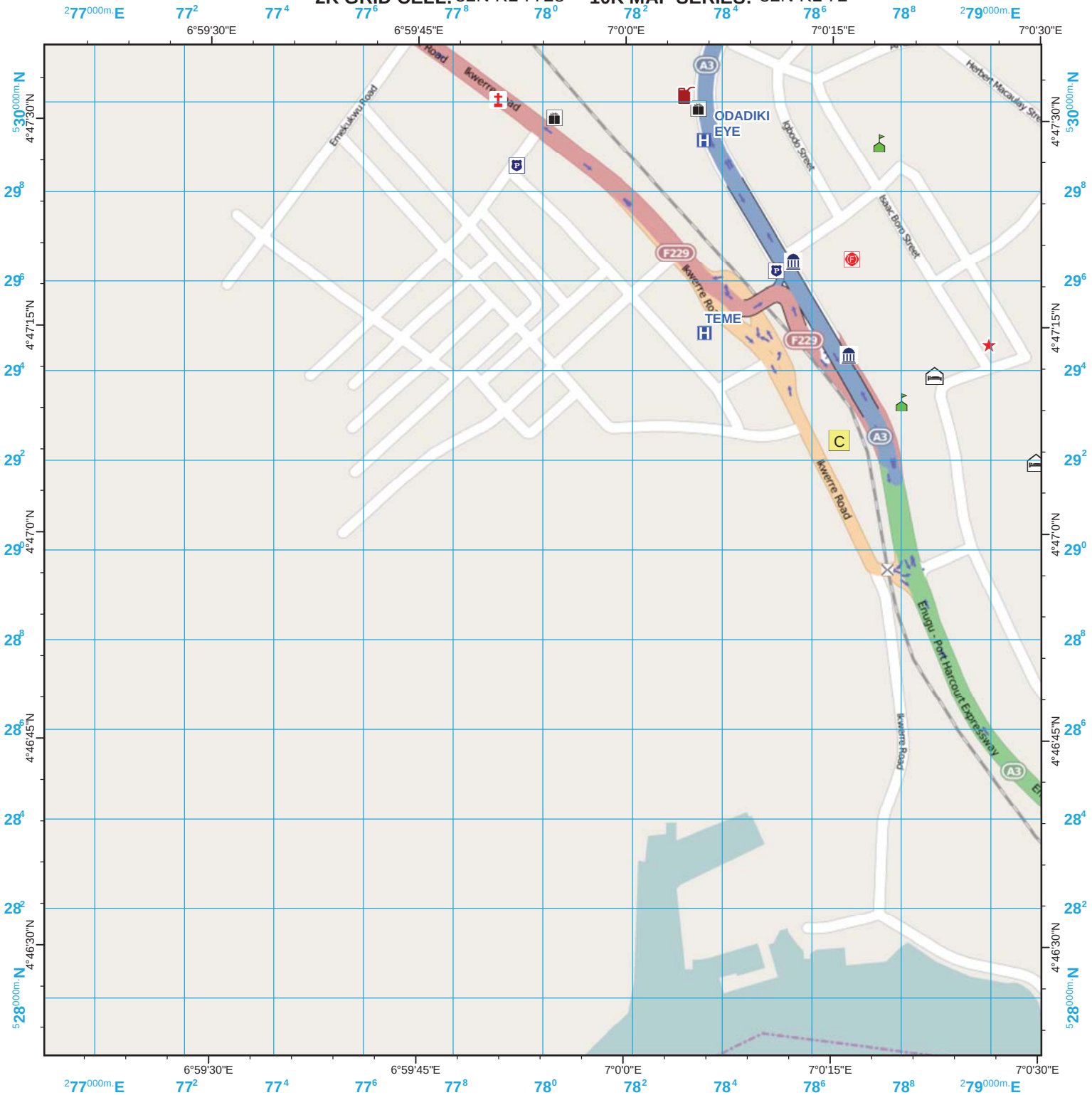
2K GRID CELL: 32N KL 7728 **10K MAP SERIES:** 32N KL 72



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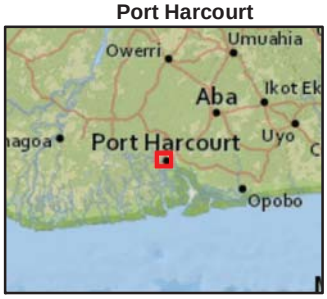

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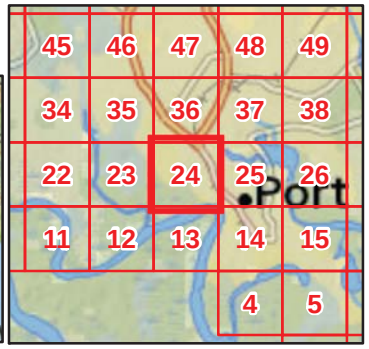
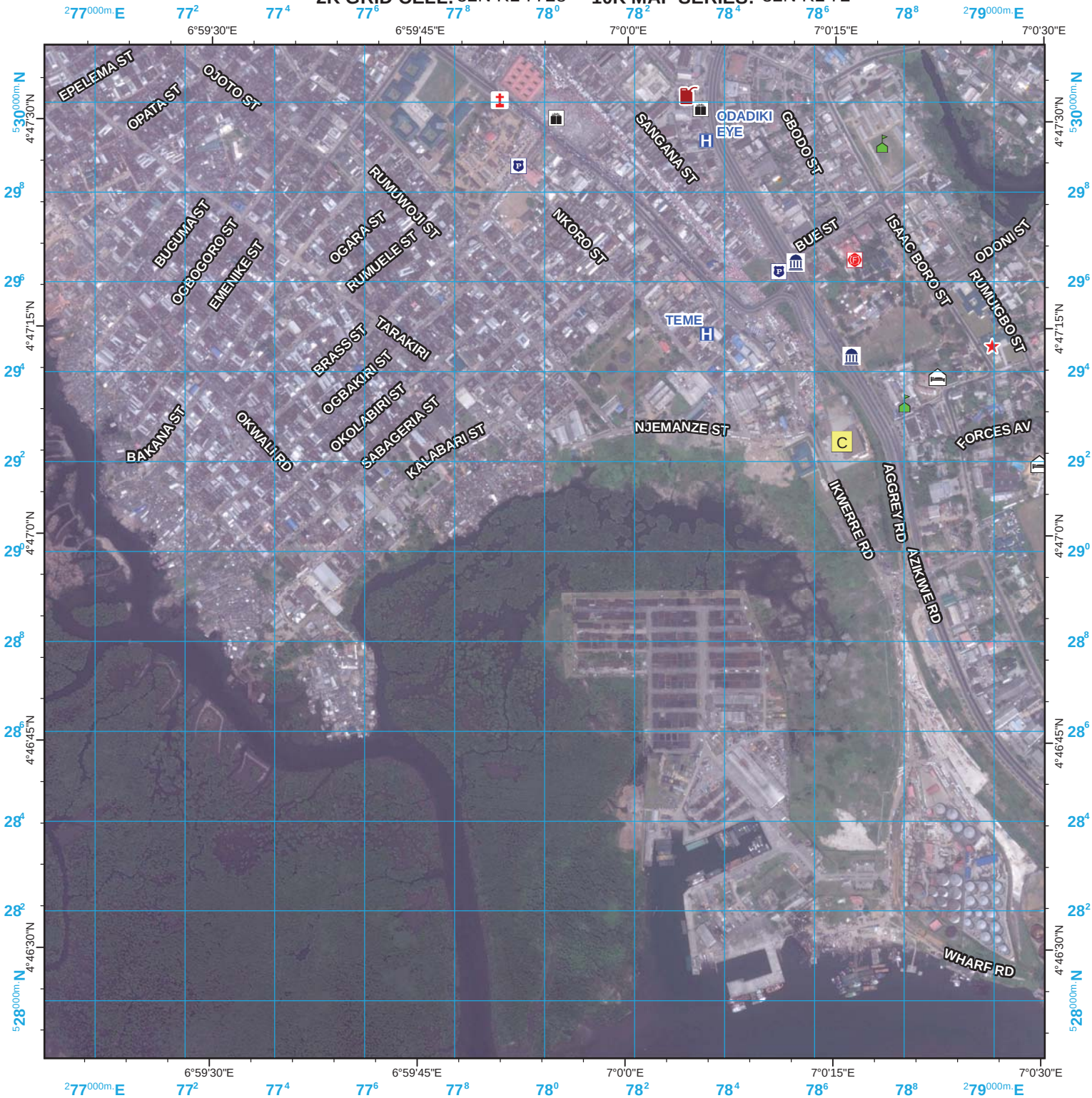


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7728 **10K MAP SERIES:** 32N KL 72



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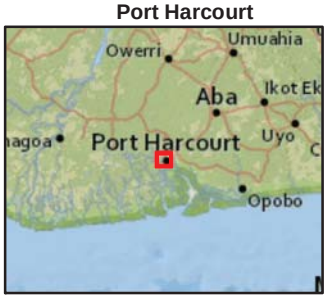

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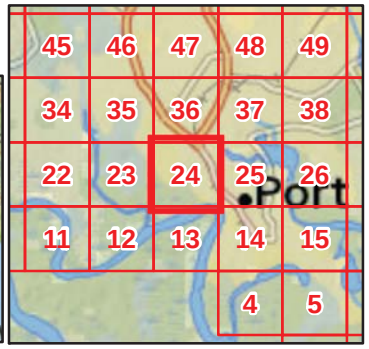
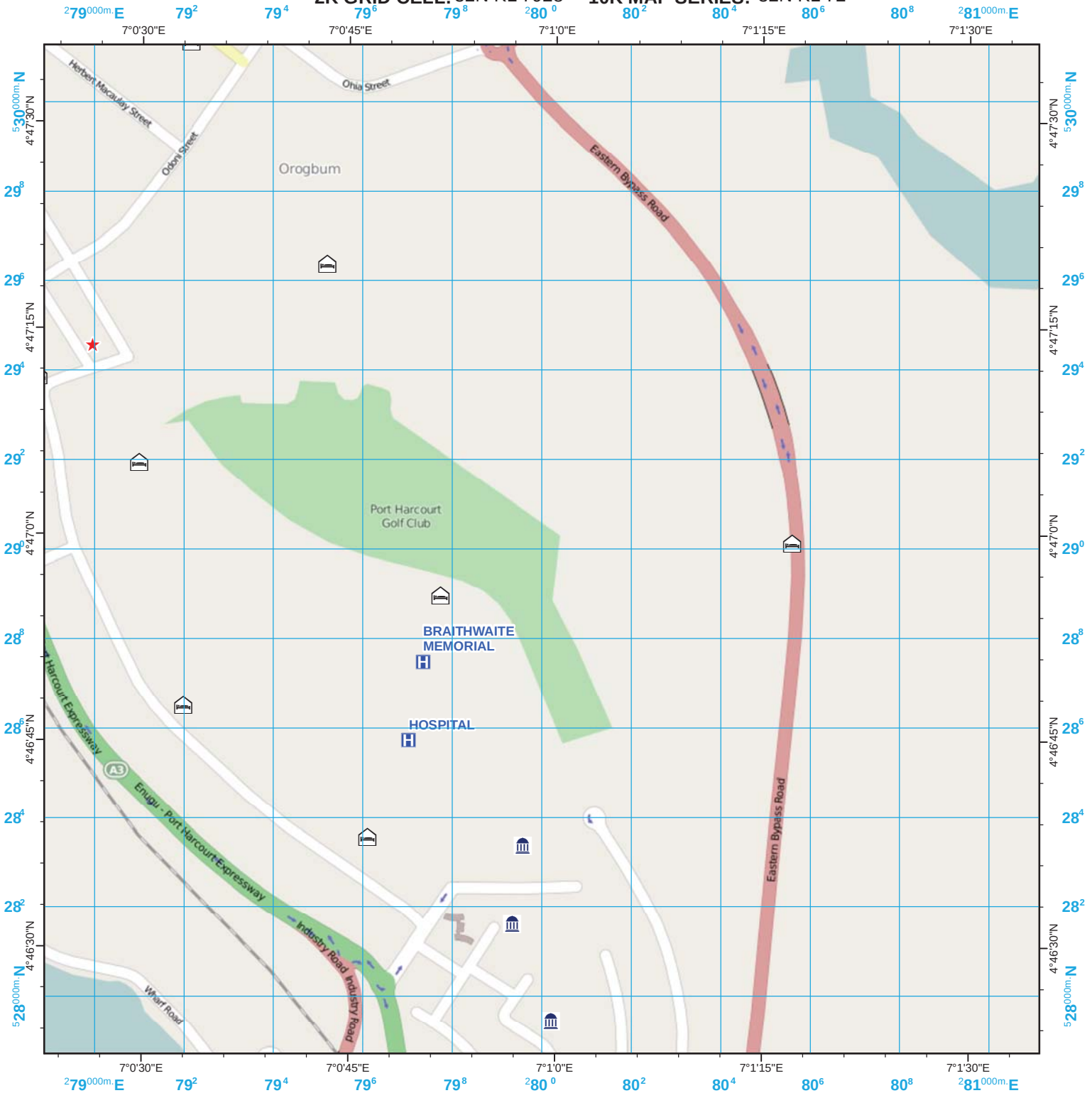


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7928 **10K MAP SERIES:** 32N KL 72



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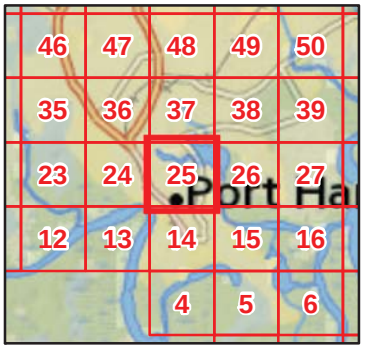
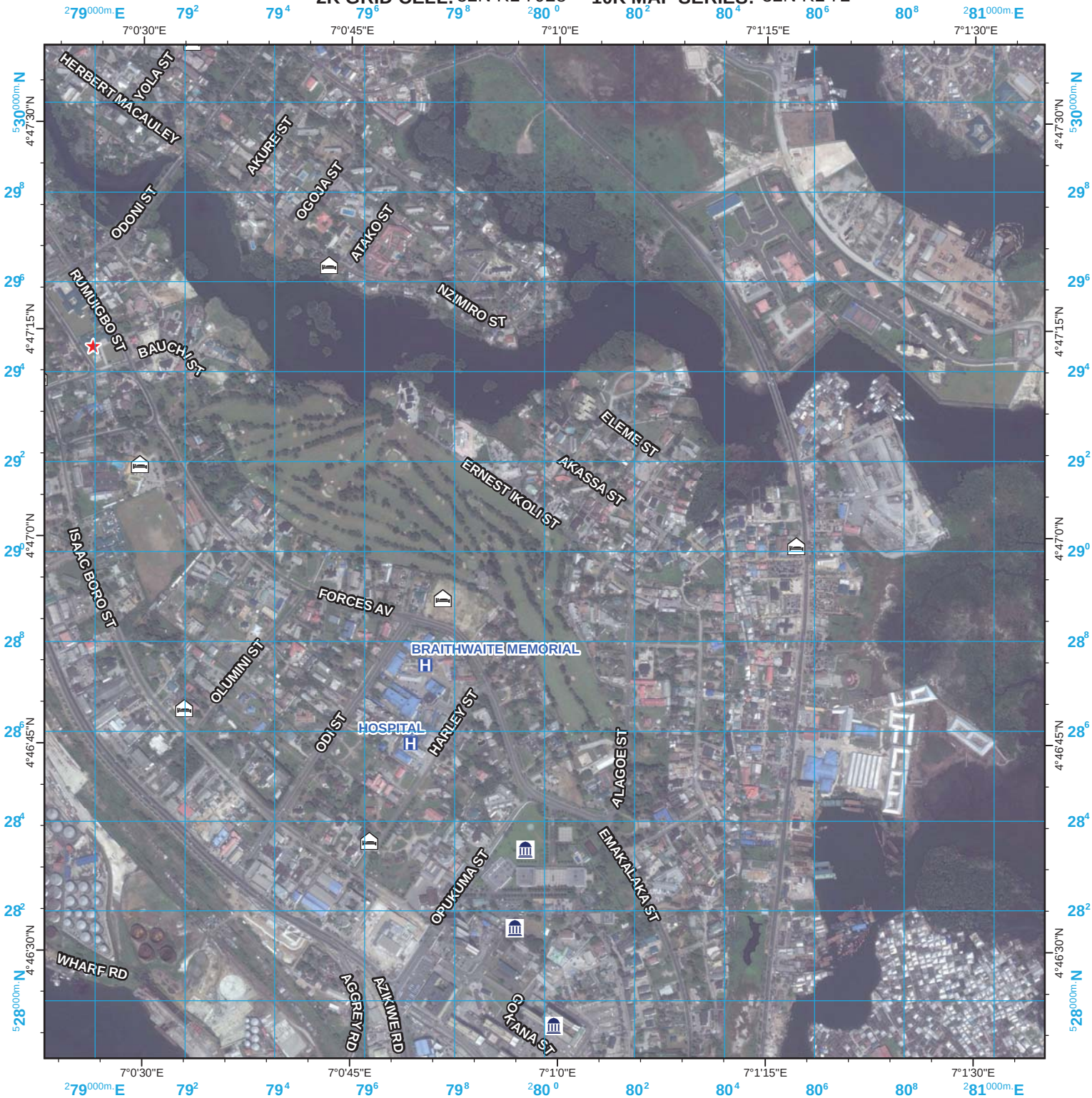


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7928 **10K MAP SERIES:** 32N KL 72



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100,000-m Square Grid: KL
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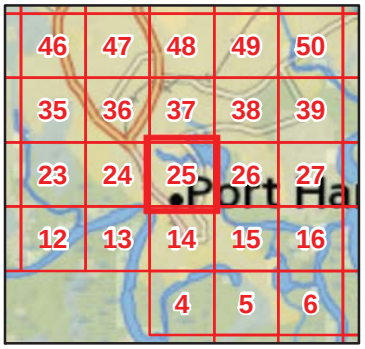

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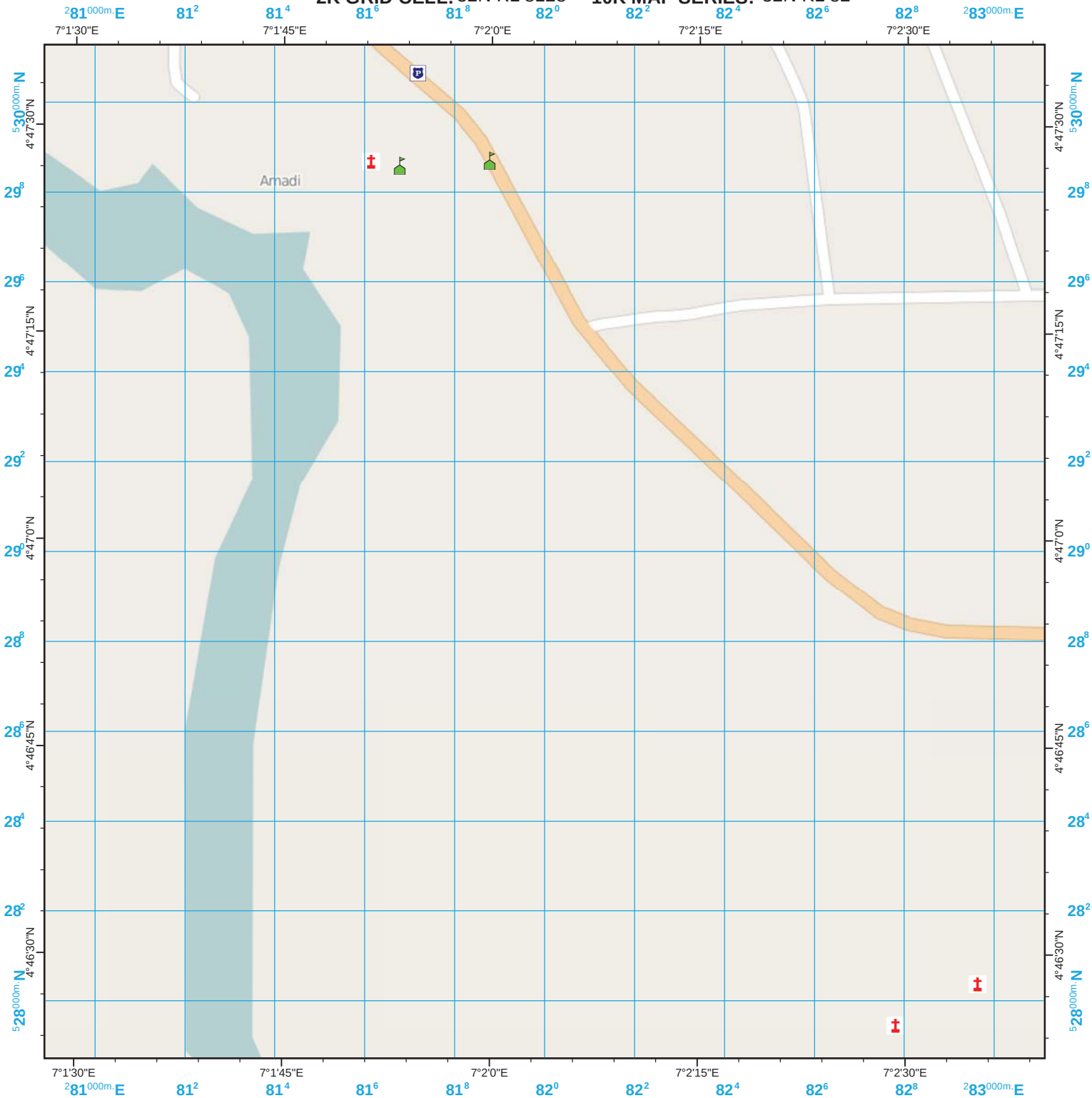
2K GRID CELL: 32N KL 8128 **10K MAP SERIES:** 32N KL 82



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0 50 100 200 300 400 500 Meters

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MGRS
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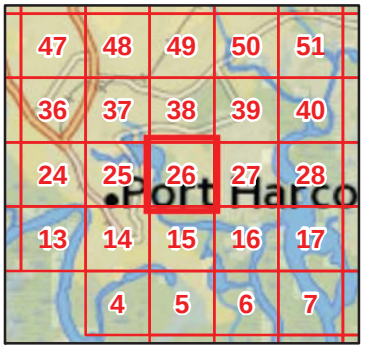
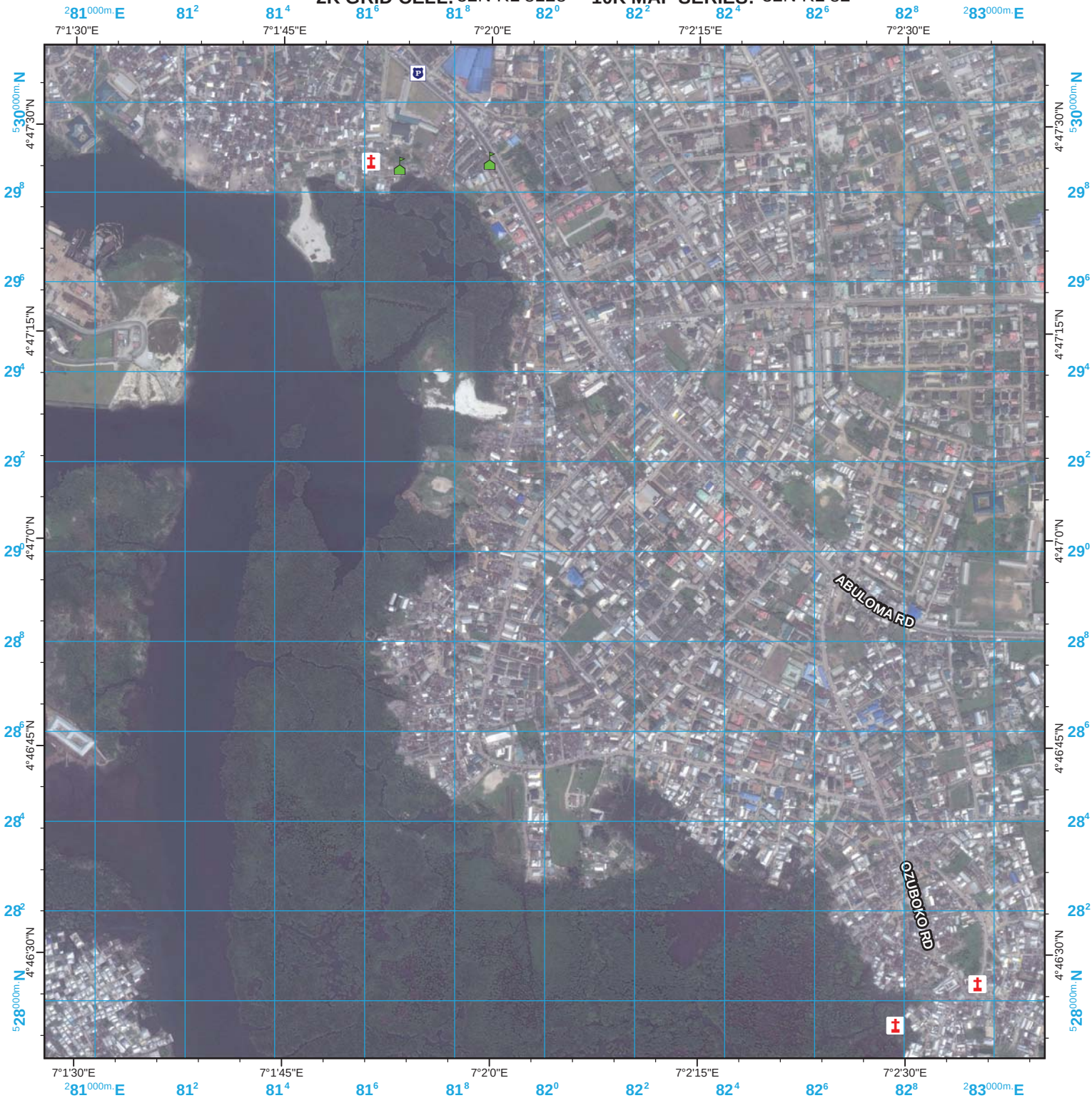


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8128 **10K MAP SERIES:** 32N KL 82



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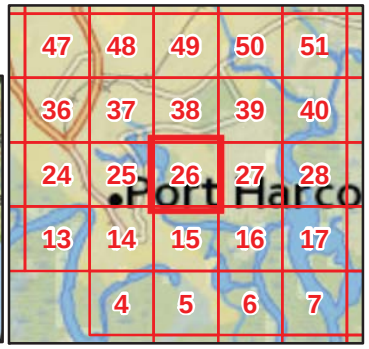
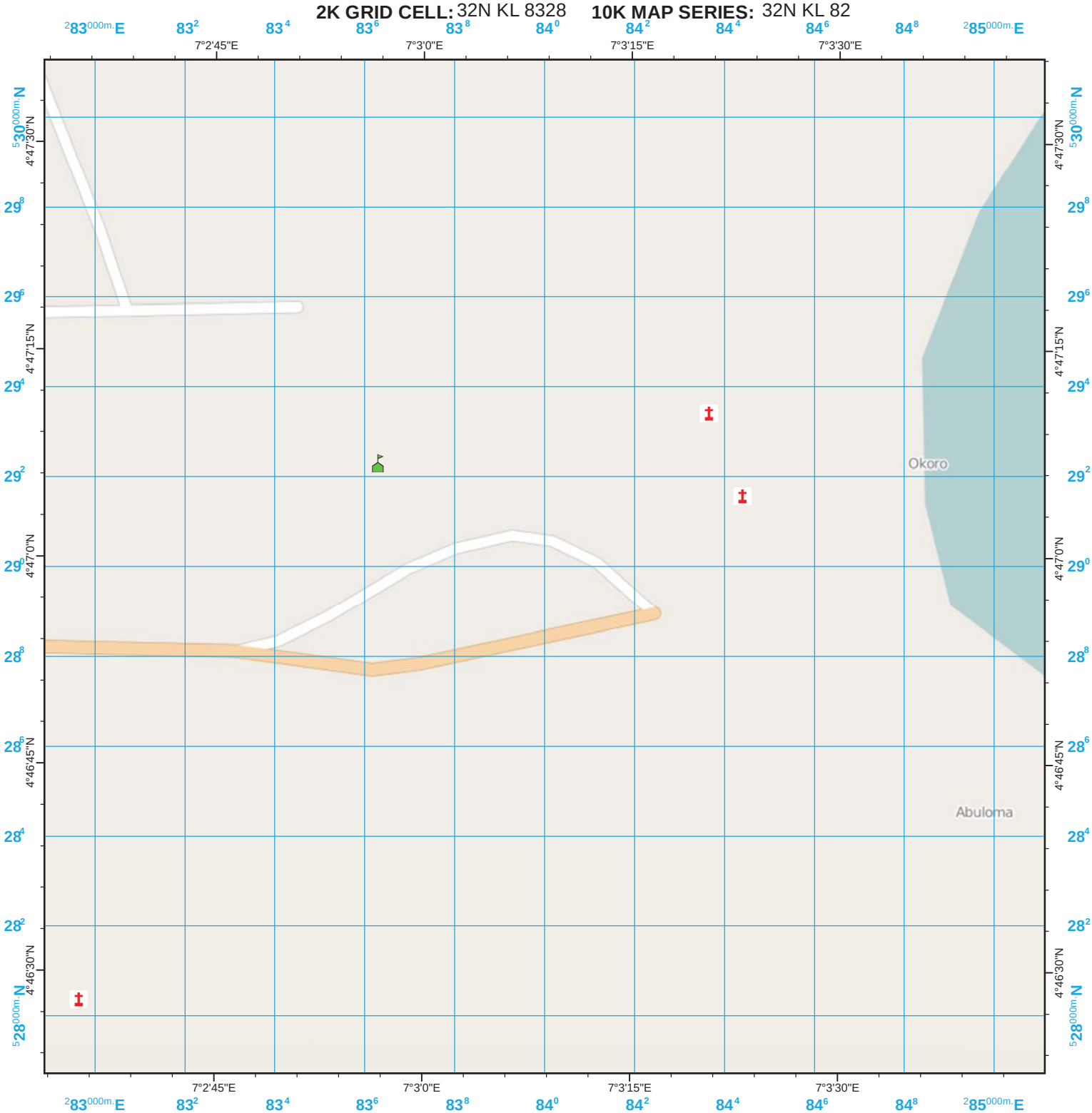


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8328 **10K MAP SERIES:** 32N KL 82



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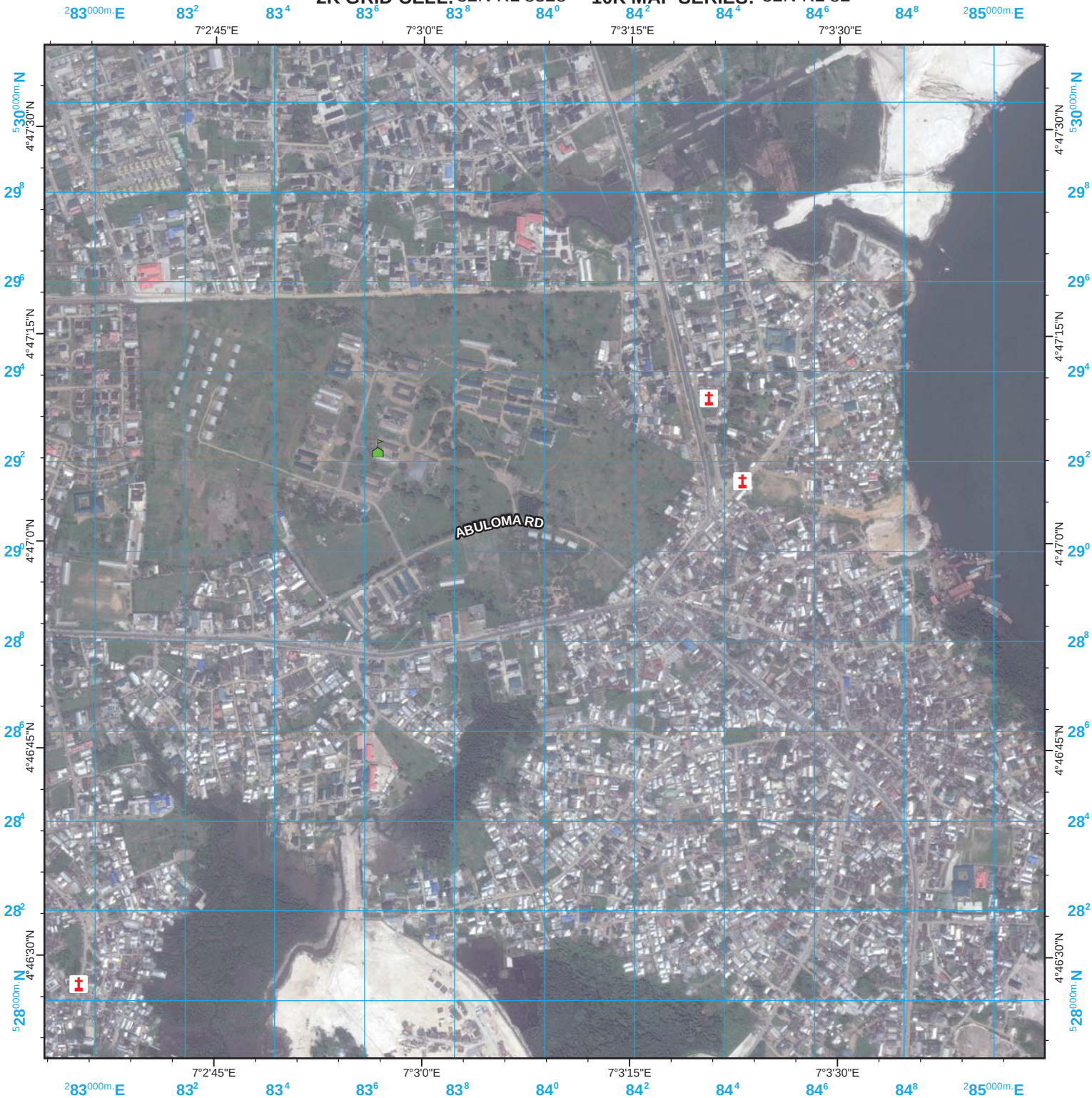

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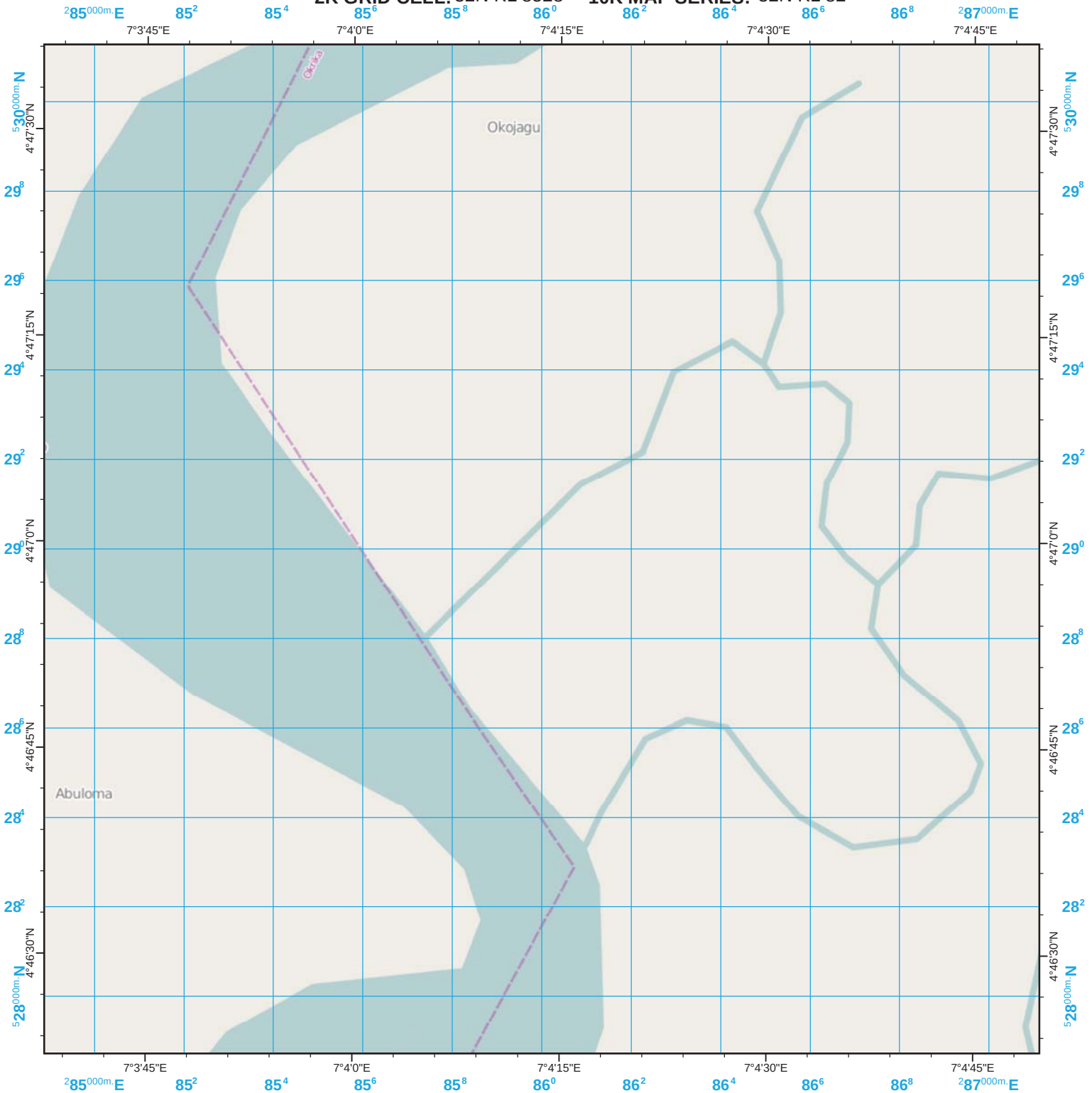

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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
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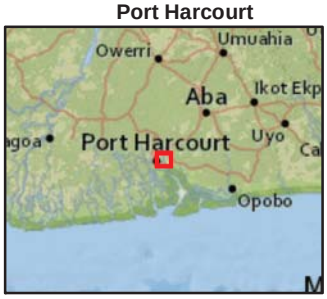
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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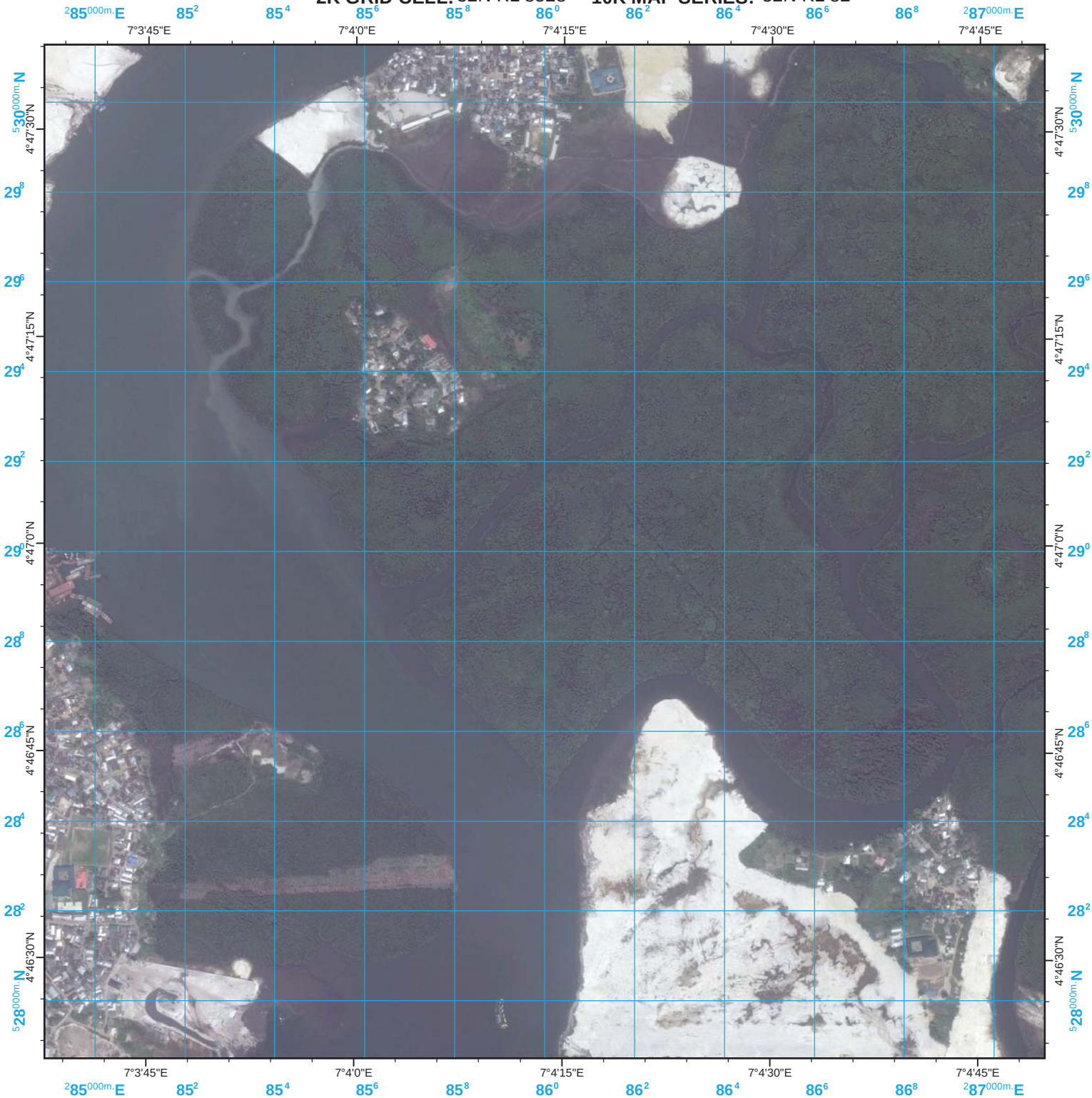
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8528 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
Imagery: ©2013 DigitalGlobe
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

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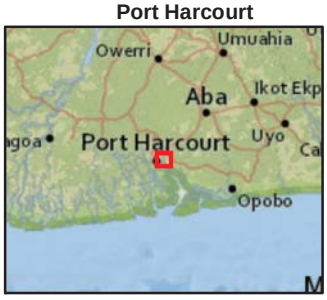
Port Harcourt



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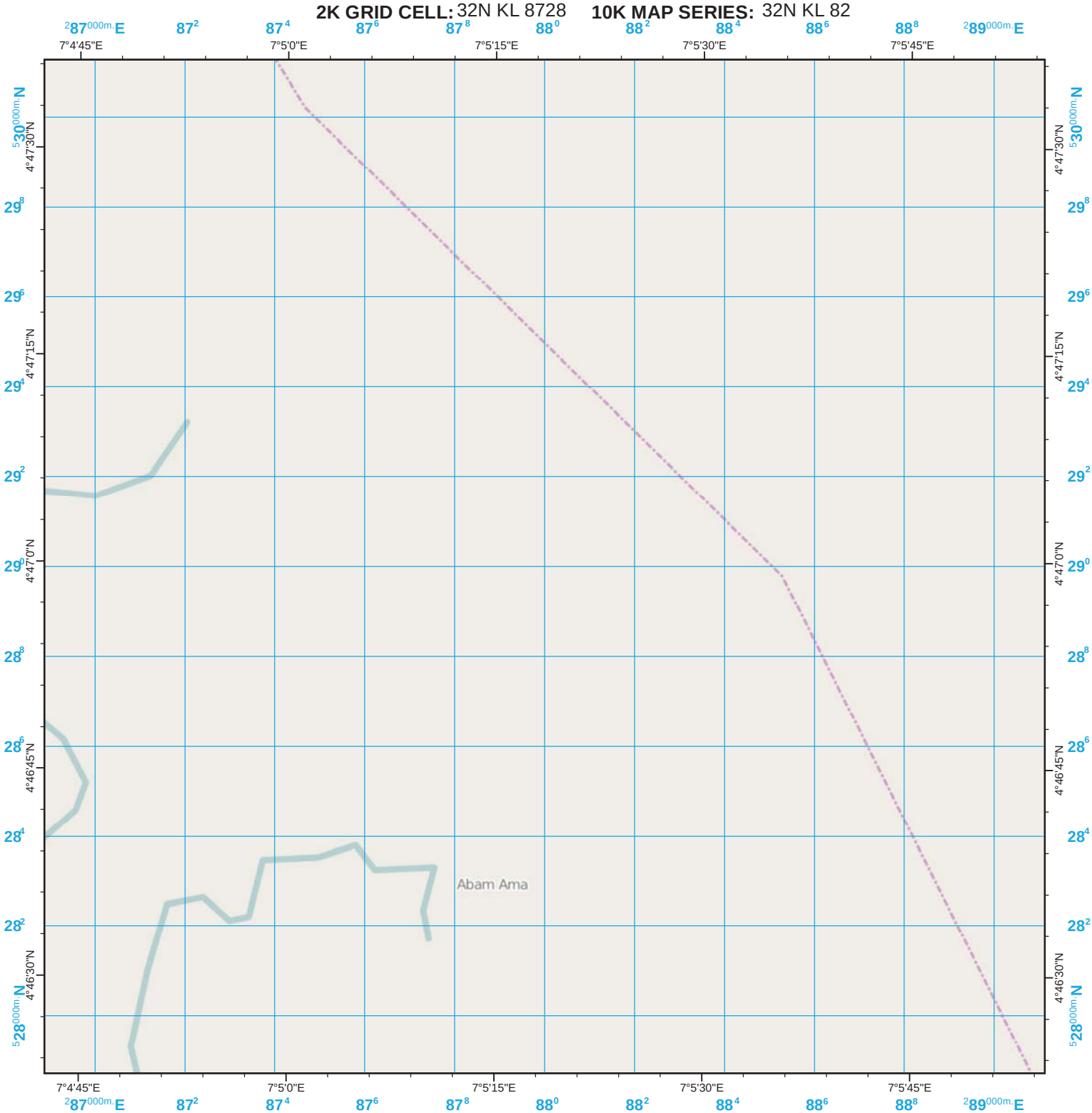
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8728 **10K MAP SERIES:** 32N KL 82



2000-m cell, 200-m grid, MGRS
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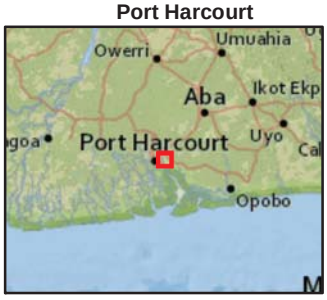
Port Harcourt



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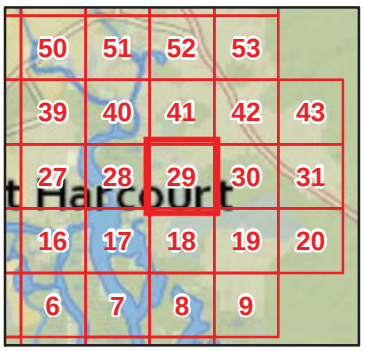
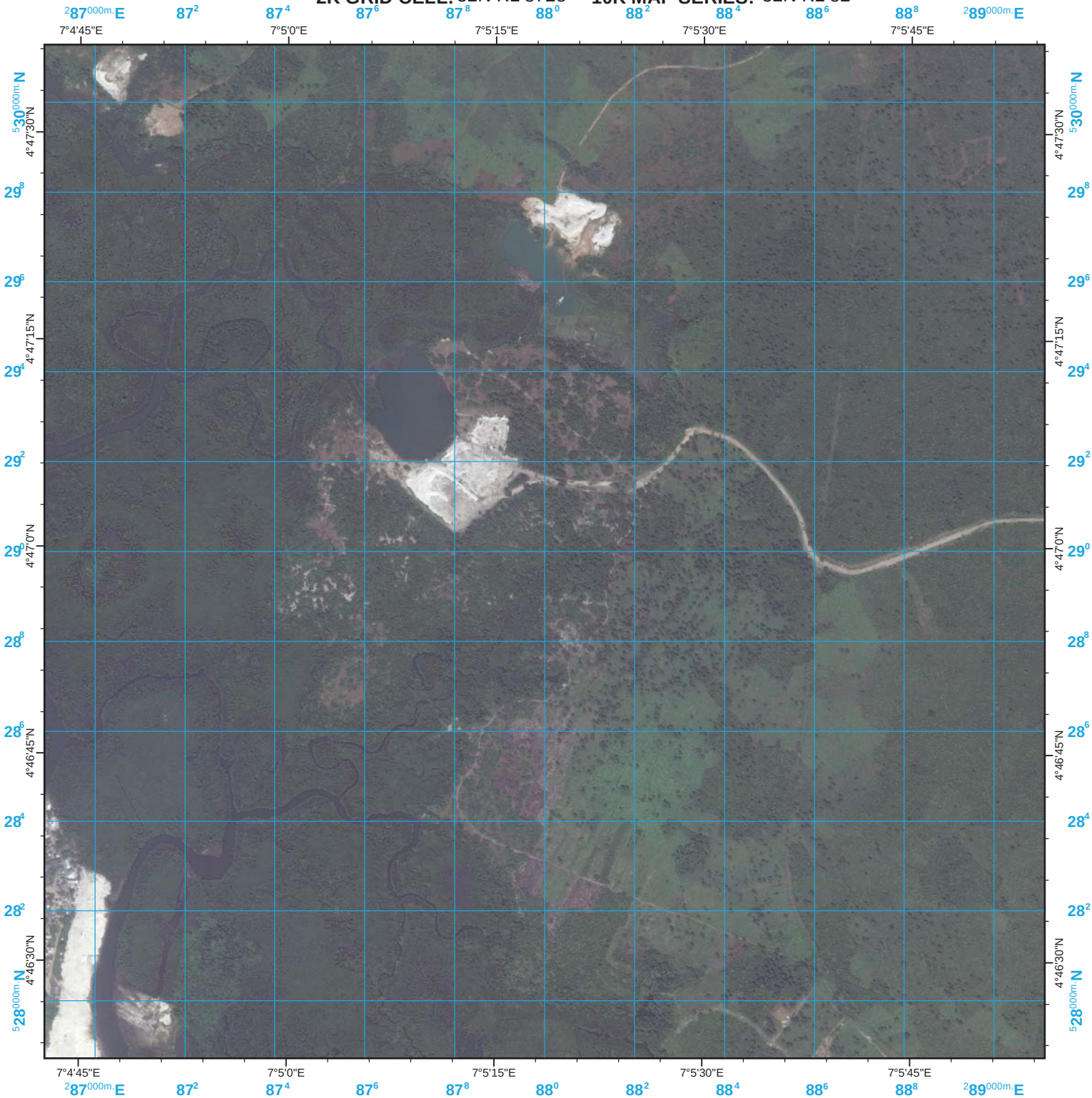


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8728 **10K MAP SERIES:** 32N KL 82



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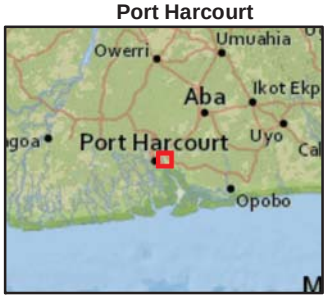

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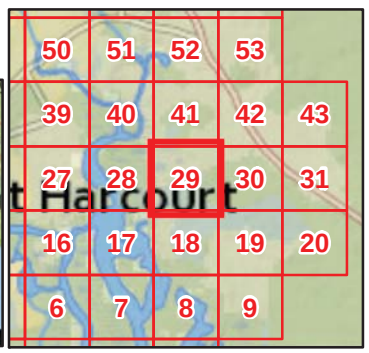
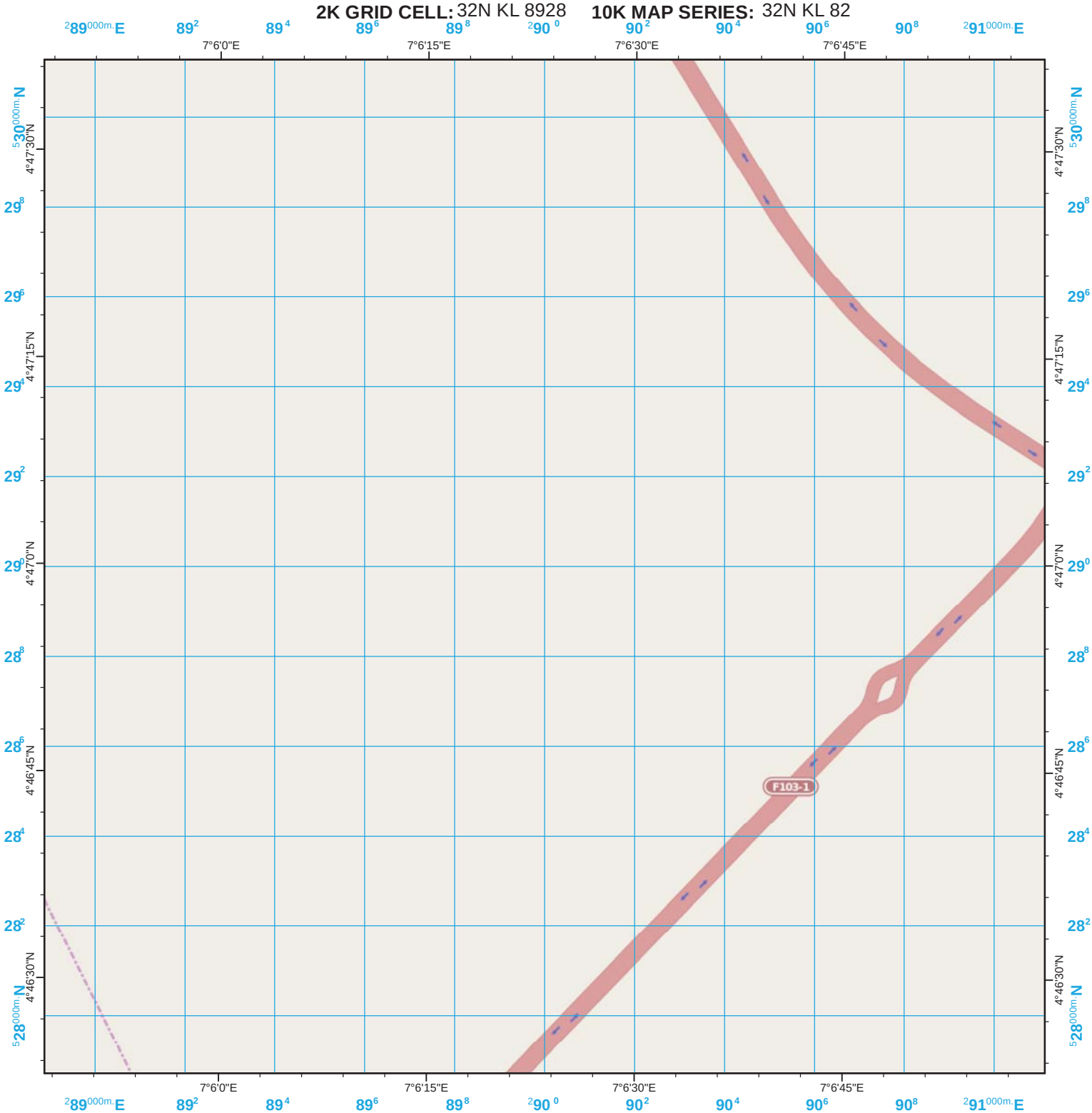


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8928 **10K MAP SERIES:** 32N KL 82



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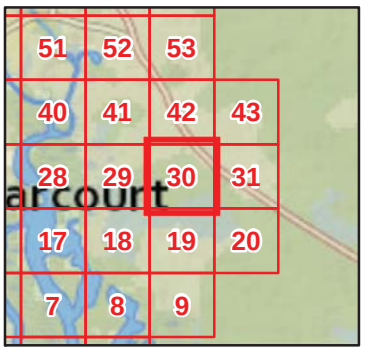
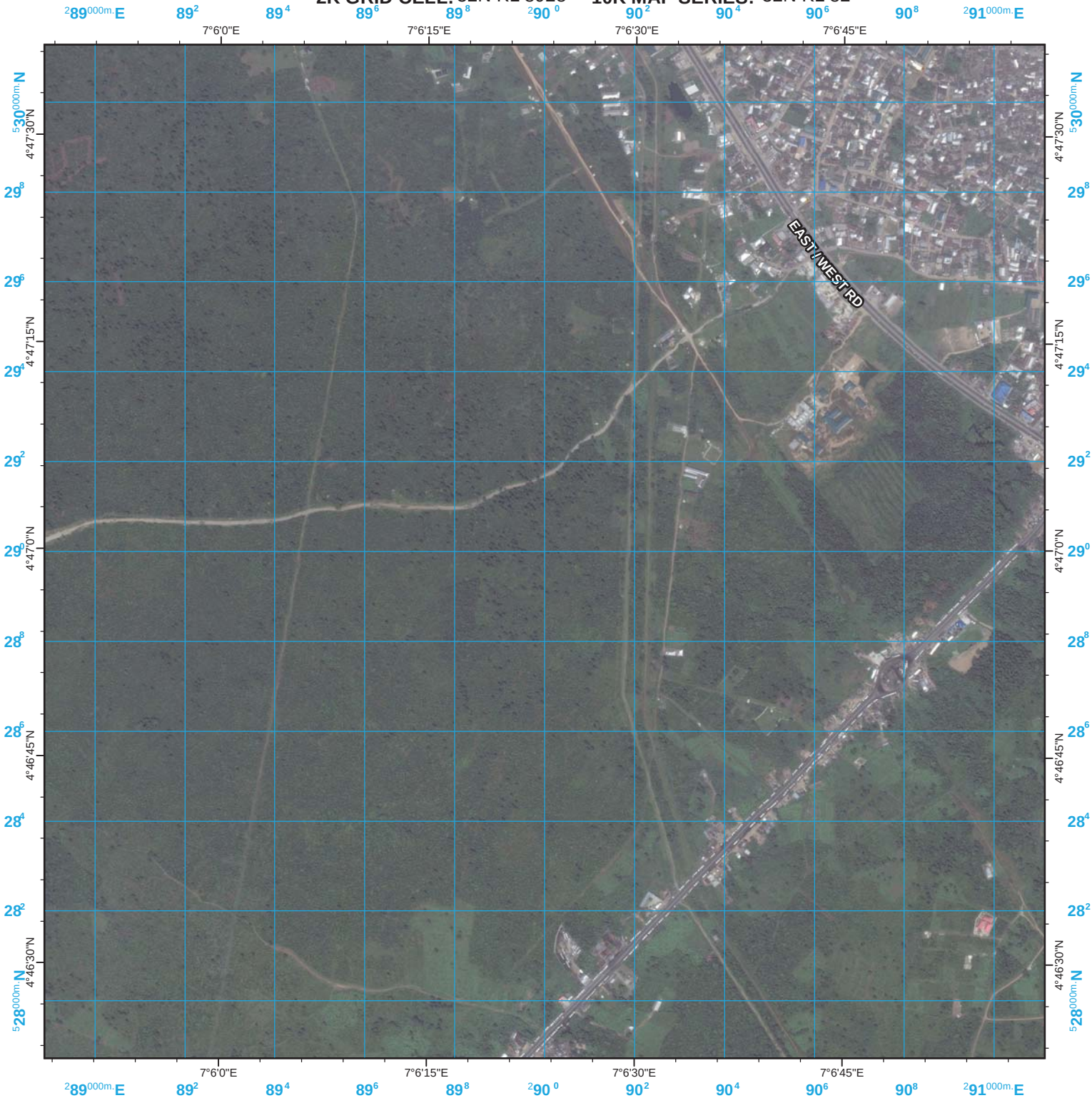


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8928 **10K MAP SERIES:** 32N KL 82



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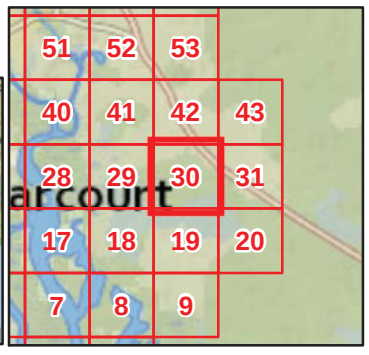

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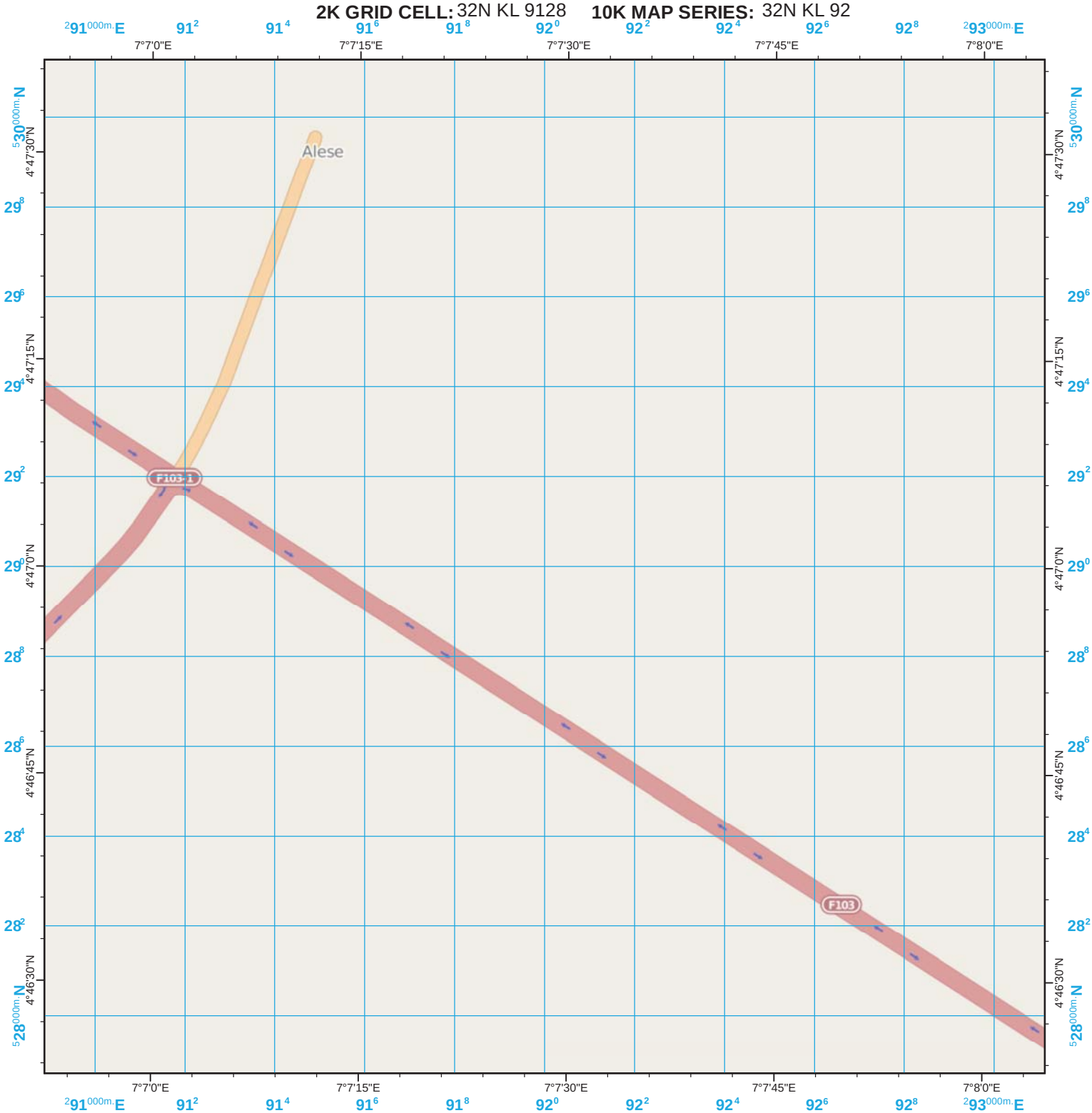
2K GRID CELL: 32N KL 9128 **10K MAP SERIES:** 32N KL 92



2000-m cell, 200-m grid, MGRS
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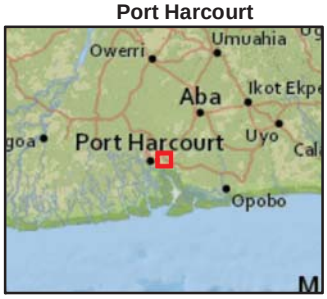
Port Harcourt



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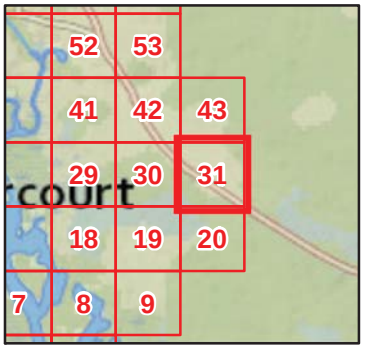

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
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- COMMUNITY CENTER
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2K GRID CELL: 32N KL 9128 **10K MAP SERIES:** 32N KL 92

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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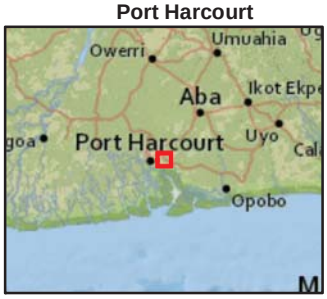
Port Harcourt



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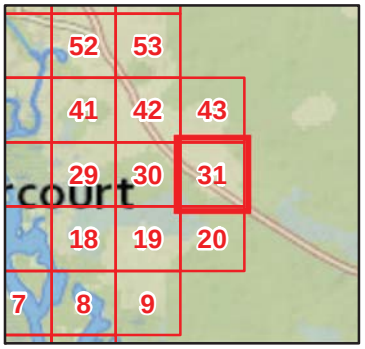

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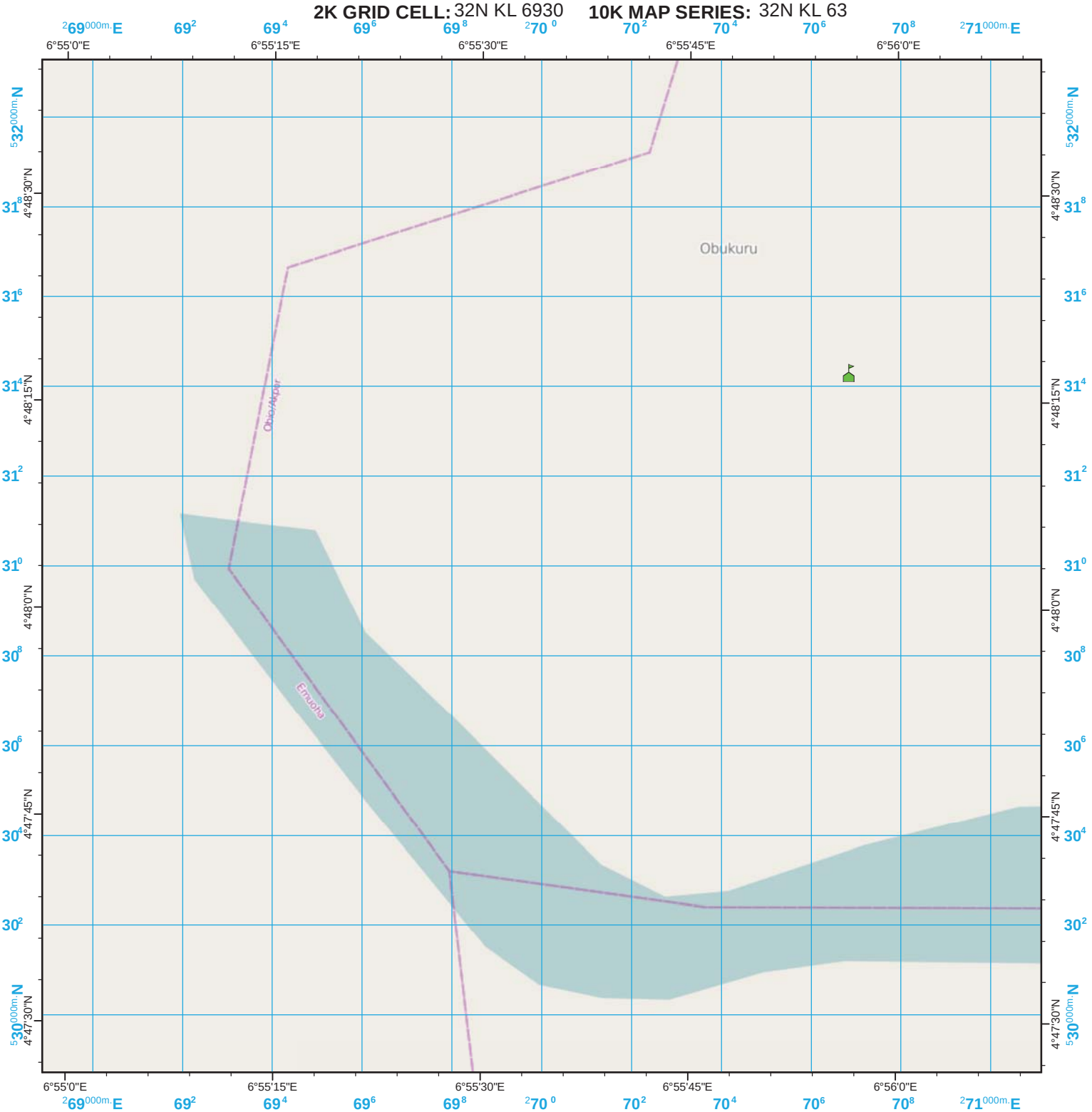
2K GRID CELL: 32N KL 6930 **10K MAP SERIES:** 32N KL 63



2000-m cell, 200-m grid, MGRS
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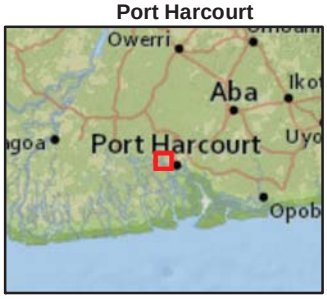
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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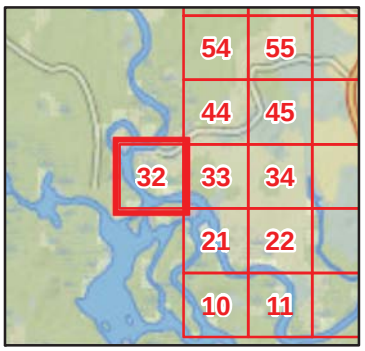

MGRS
100,000-m Square Grid: KL
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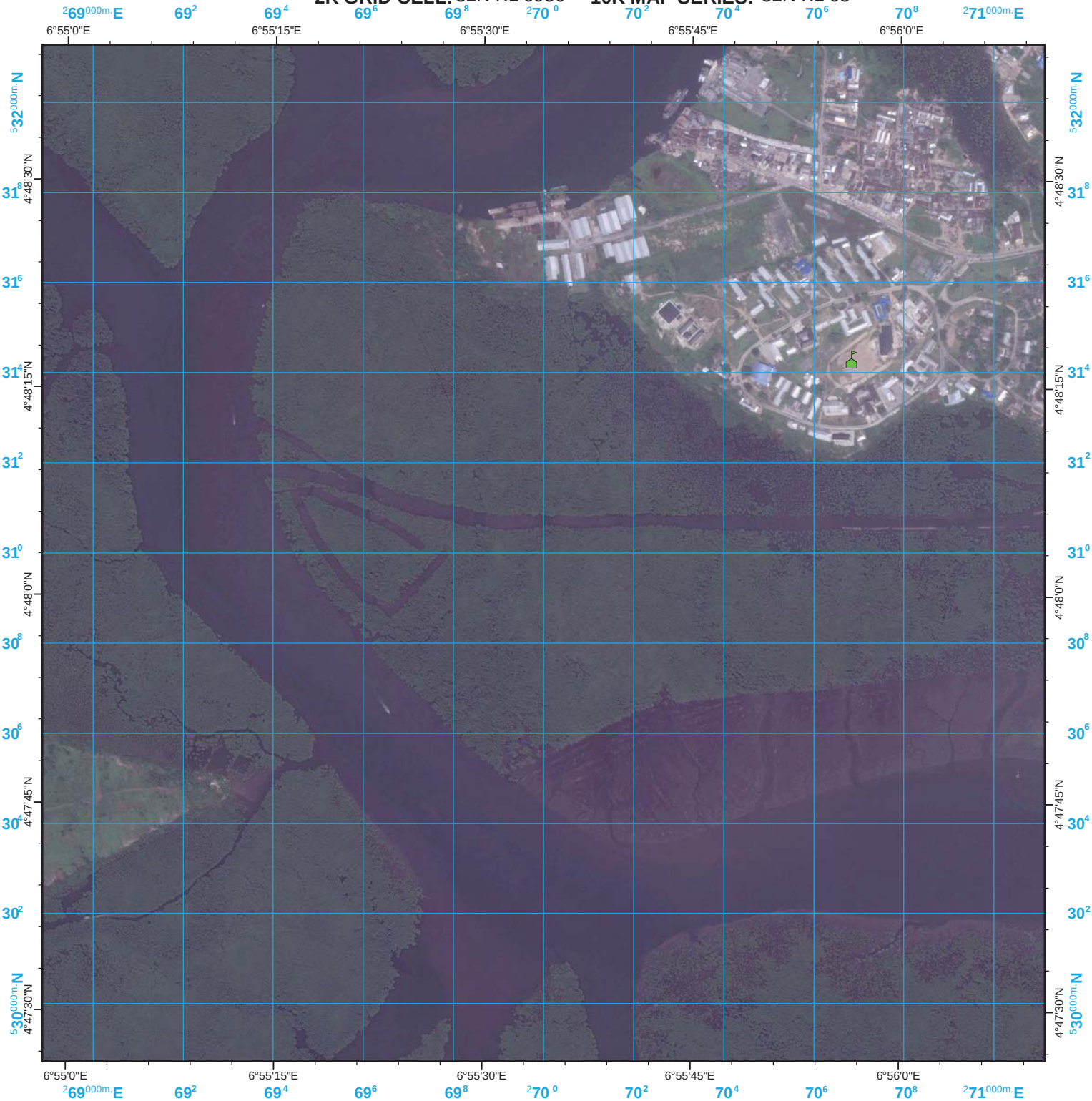
2K GRID CELL: 32N KL 6930 **10K MAP SERIES:** 32N KL 63



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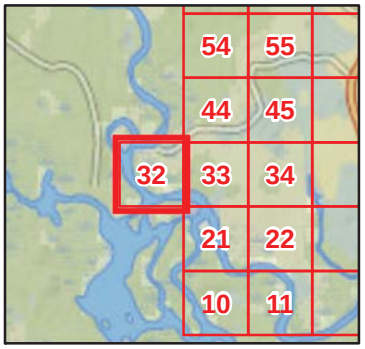

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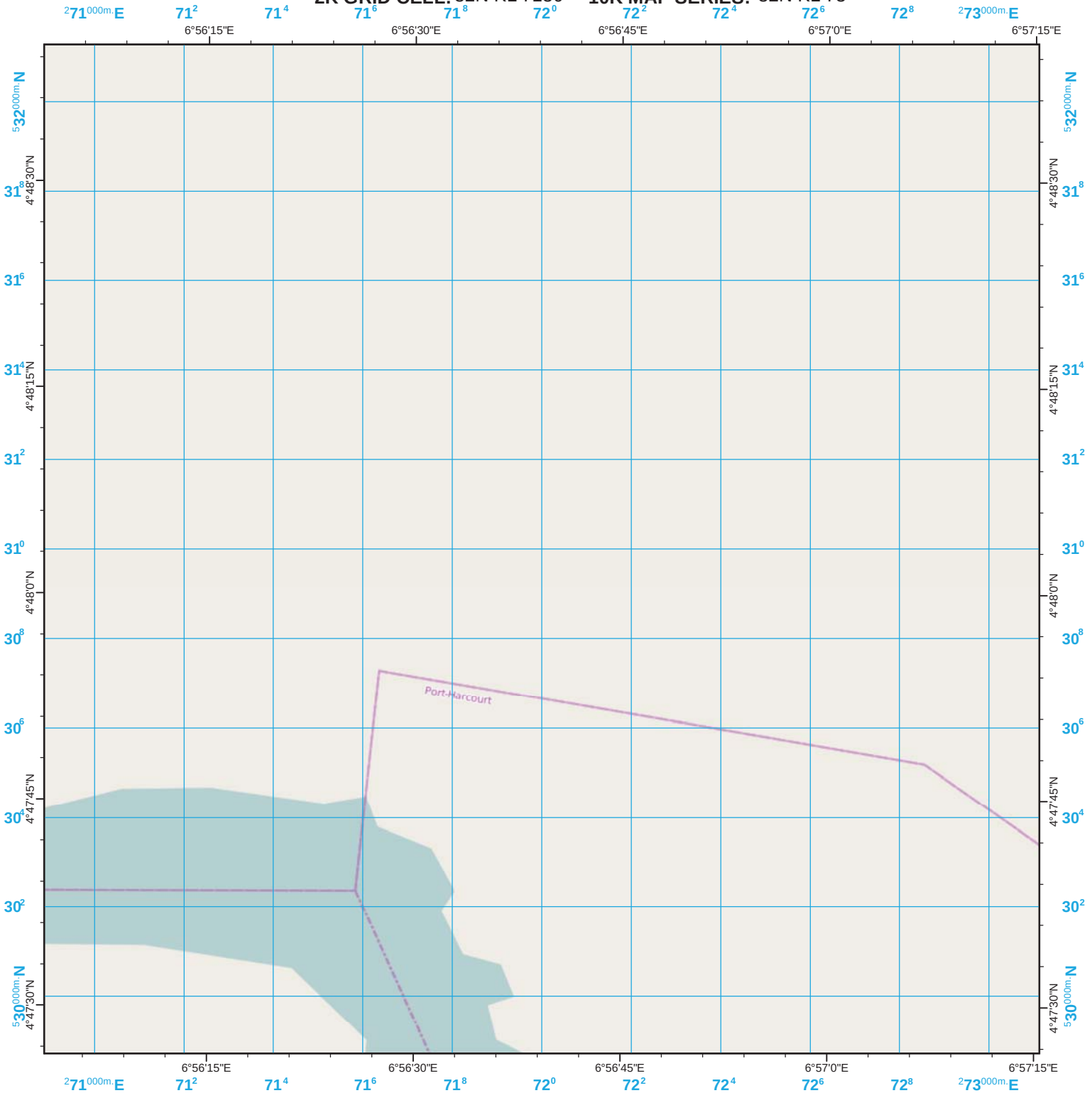
2K GRID CELL: 32N KL 7130 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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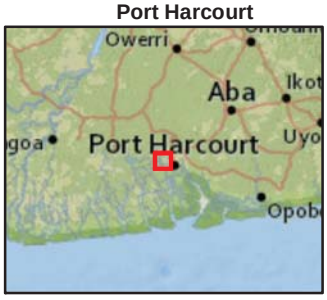

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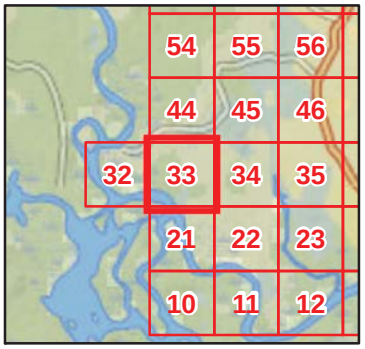
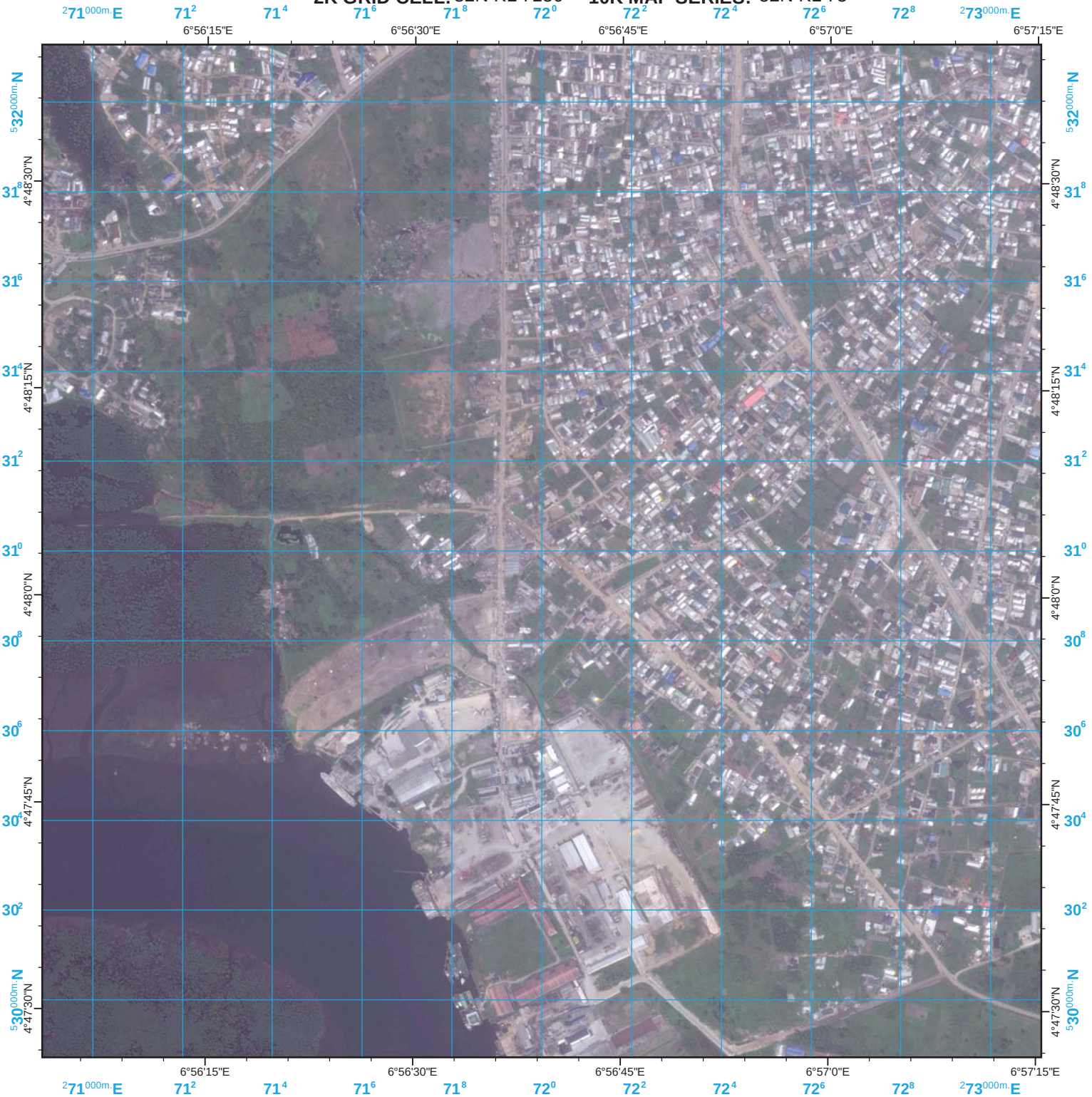


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7130 **10K MAP SERIES:** 32N KL 73



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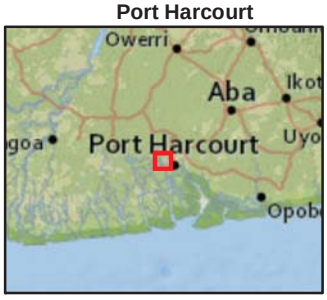

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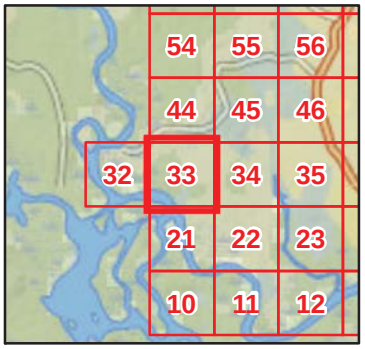

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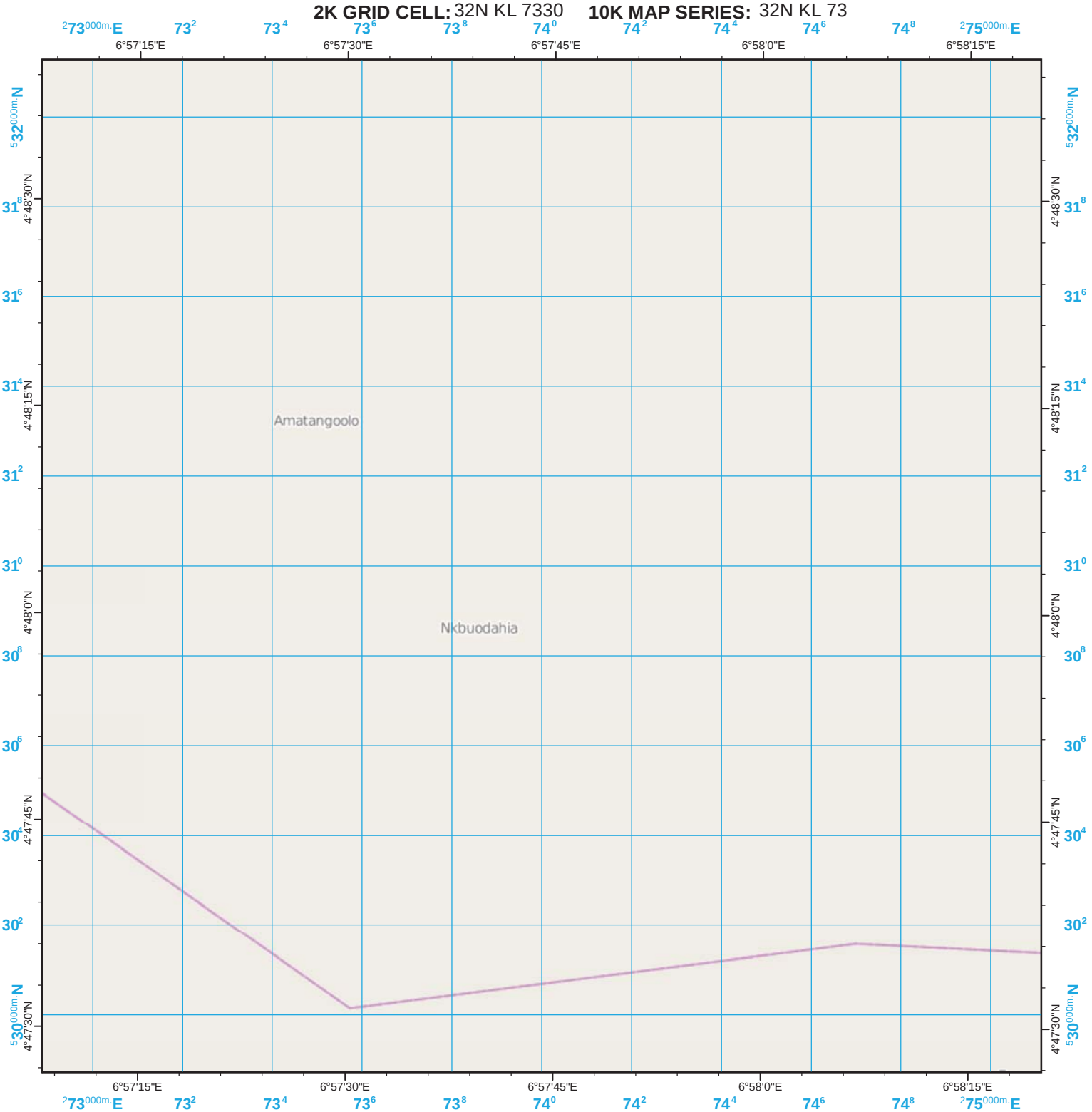
2K GRID CELL: 32N KL 7330 **10K MAP SERIES:** 32N KL 73



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Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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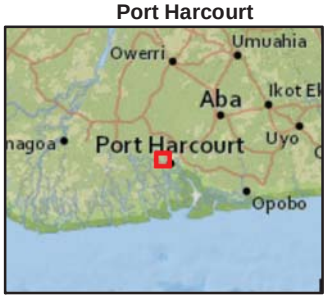

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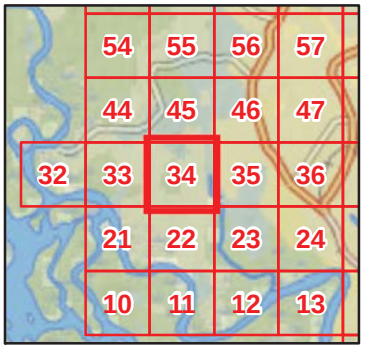

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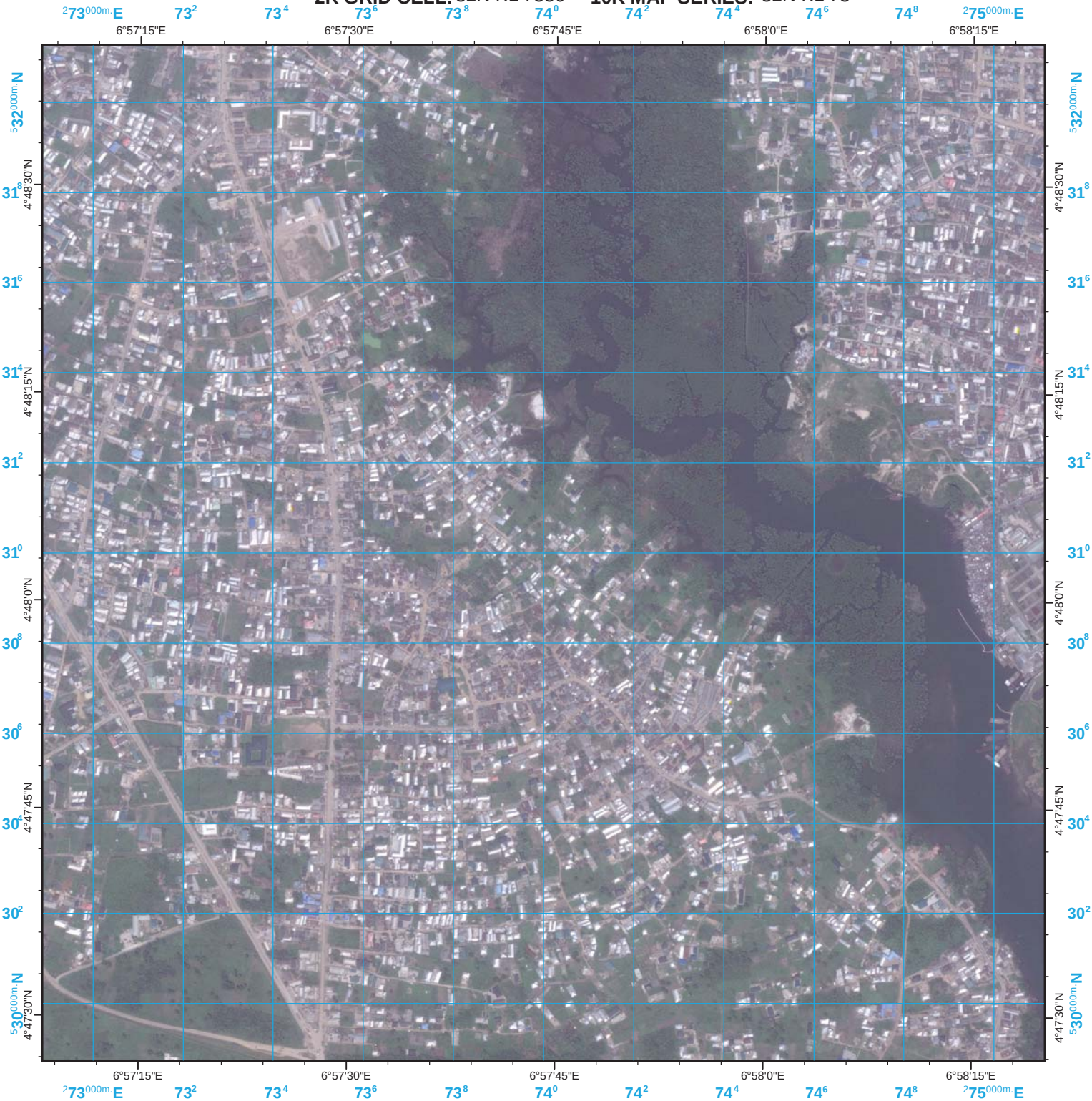
2K GRID CELL: 32N KL 7330 **10K MAP SERIES:** 32N KL 73



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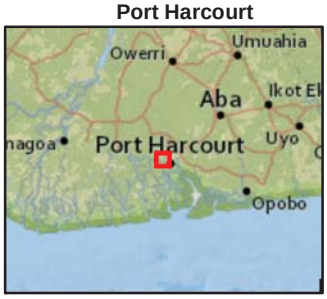

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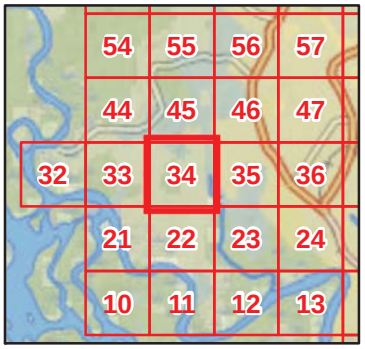

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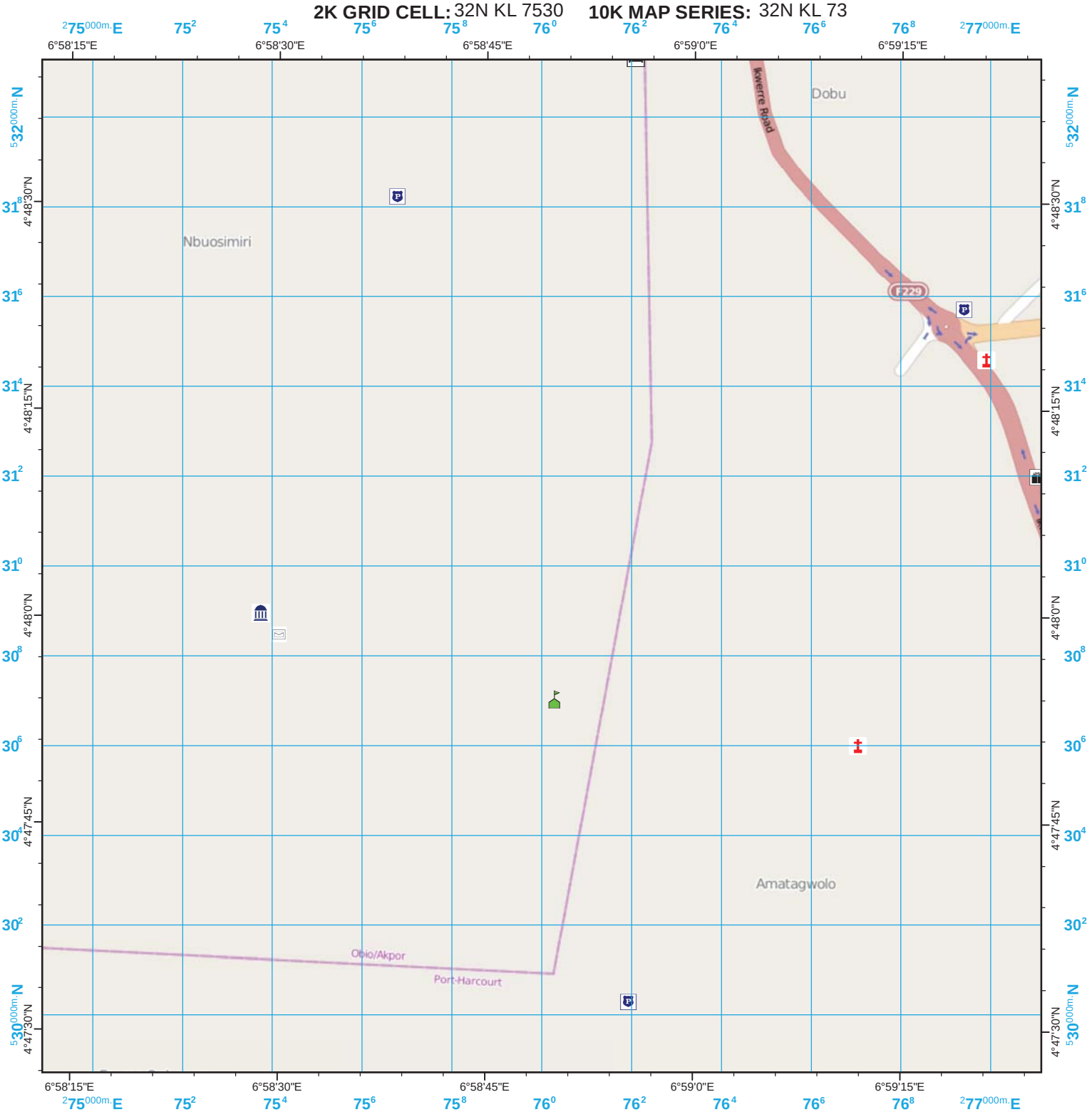

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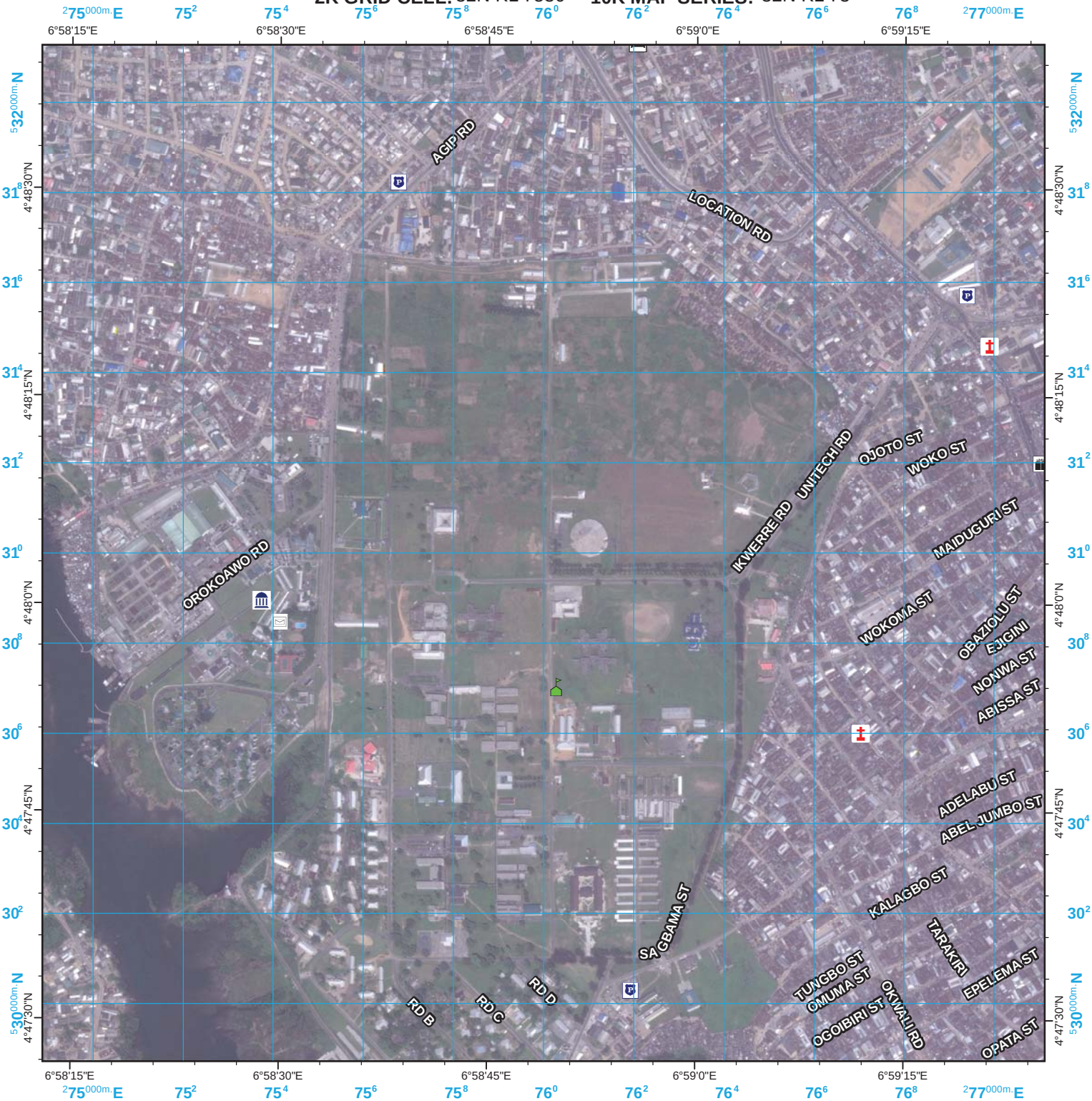

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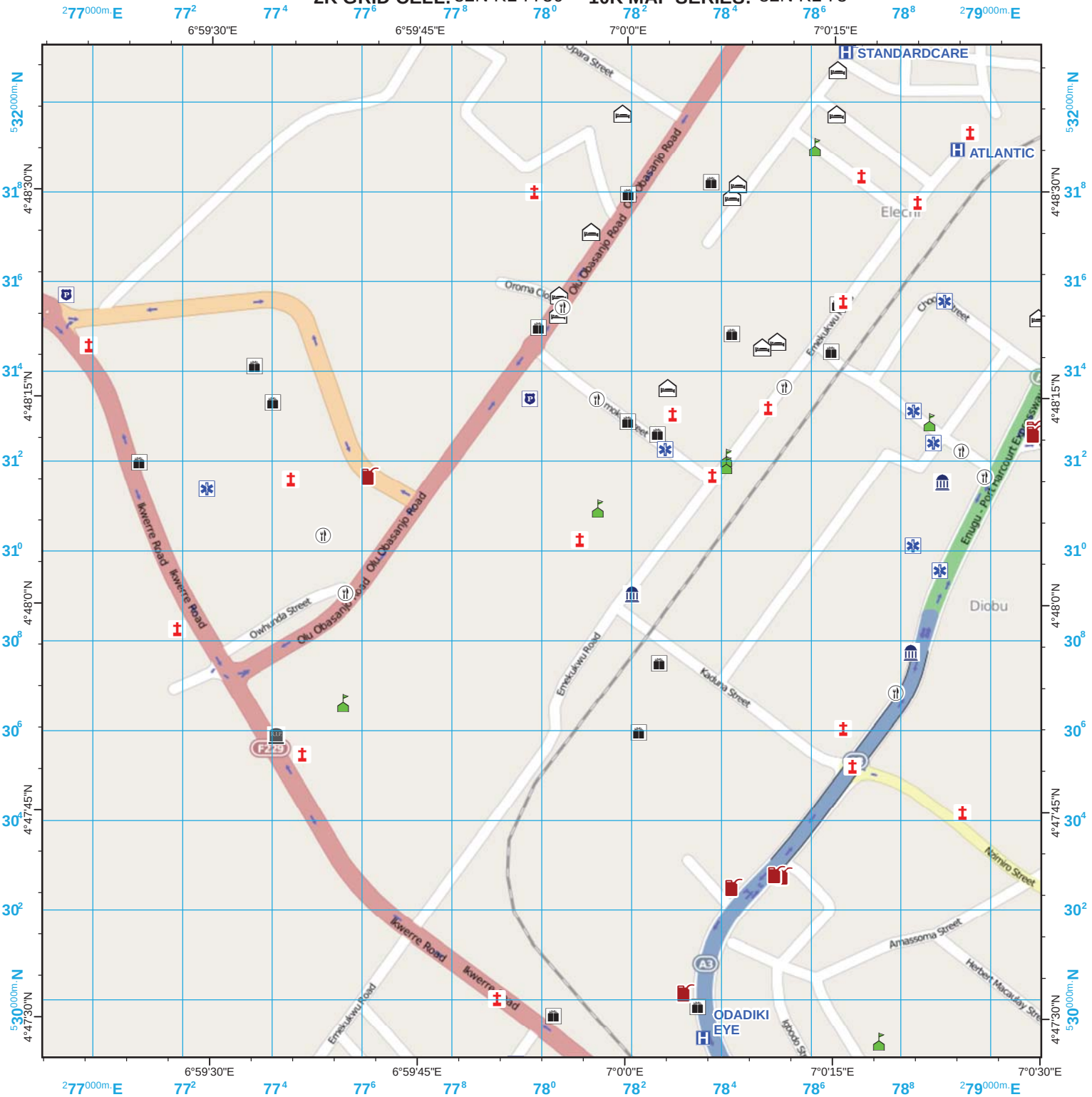

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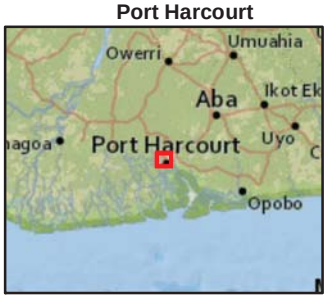

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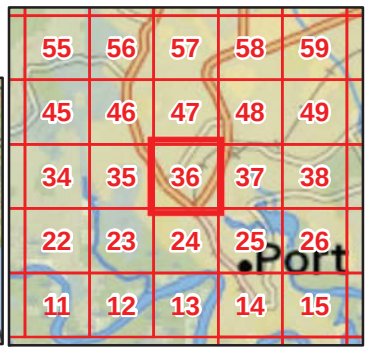

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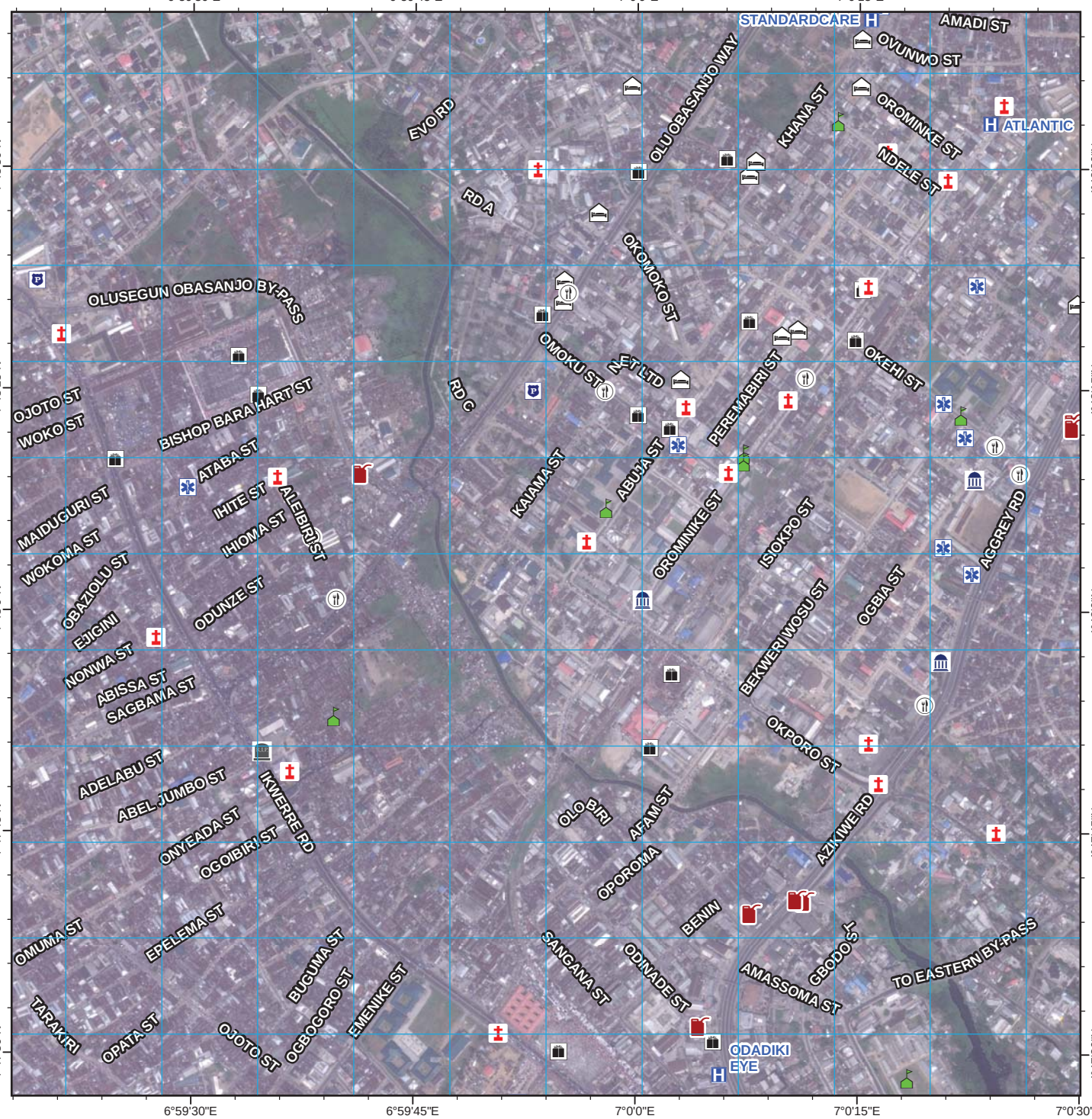
2K GRID CELL: 32N KL 7730 **10K MAP SERIES:** 32N KL 73



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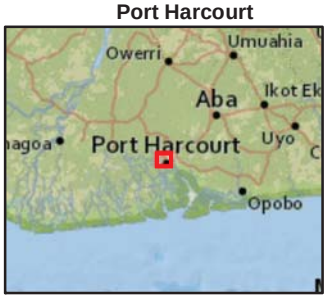

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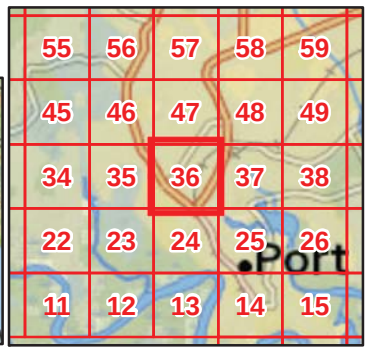

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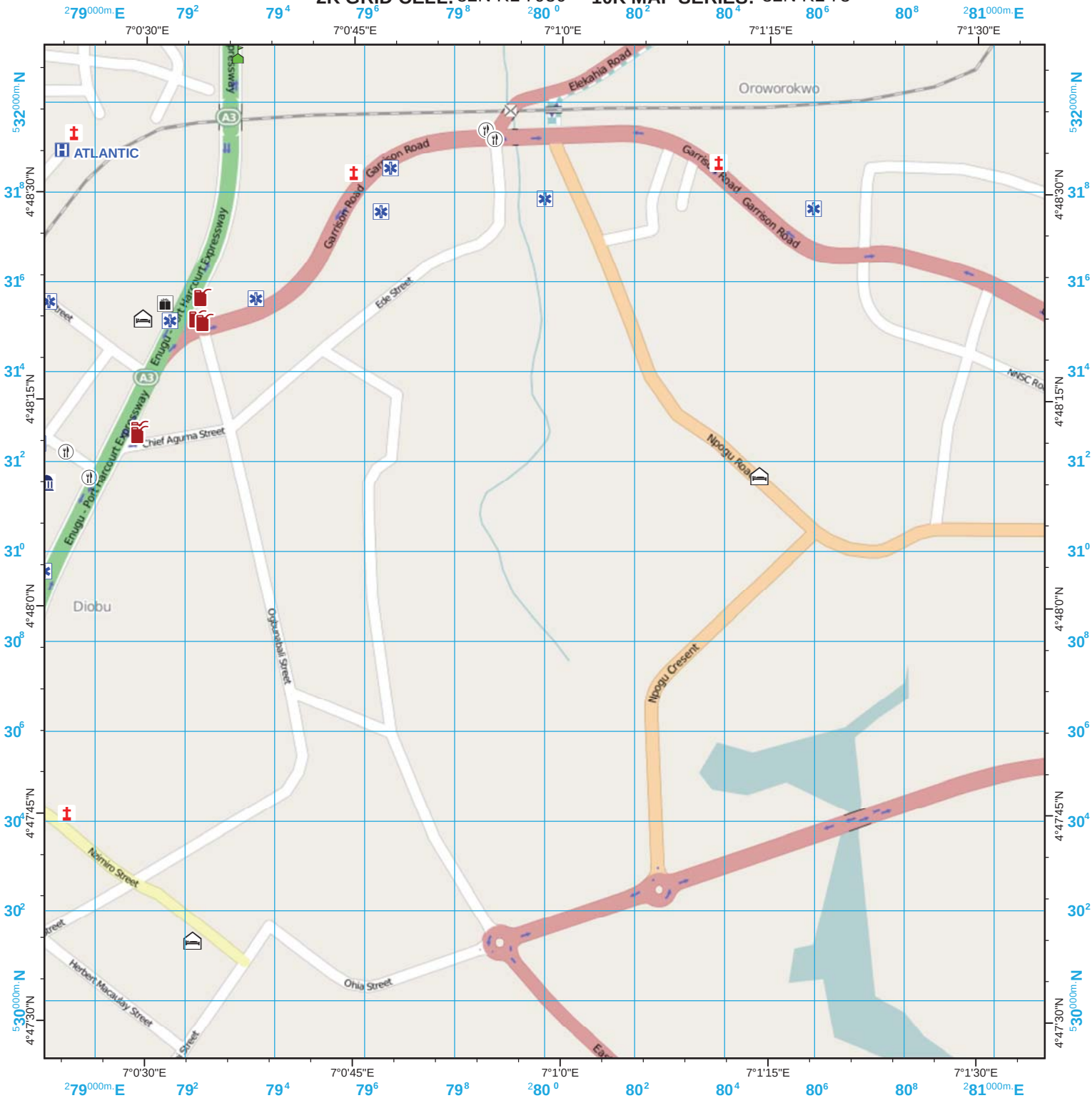
2K GRID CELL: 32N KL 7930 **10K MAP SERIES:** 32N KL 73



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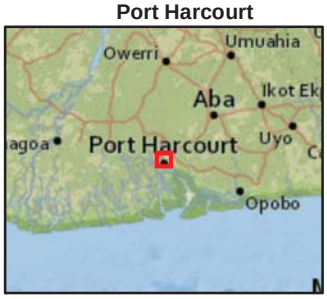

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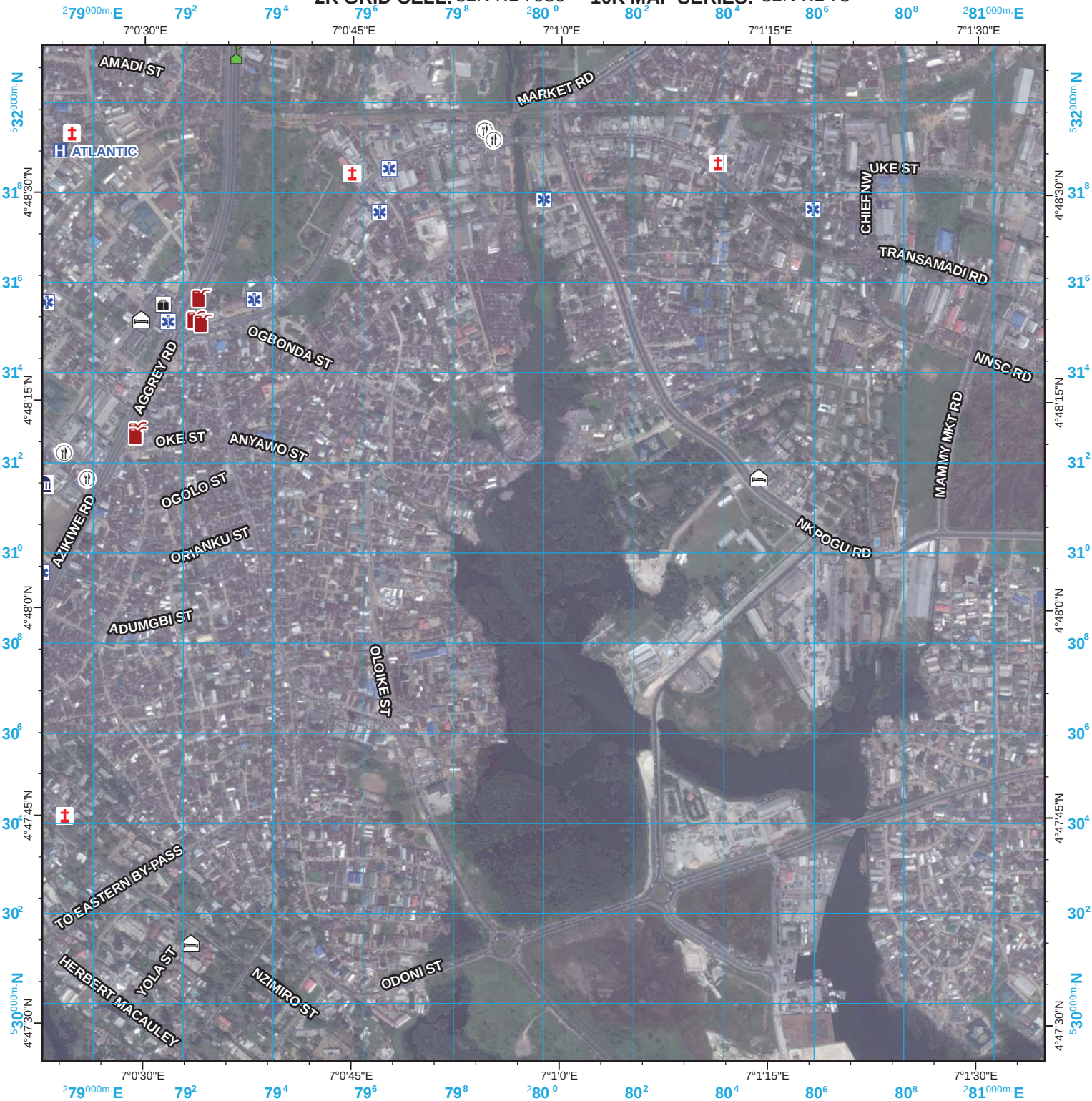
2K GRID CELL: 32N KL 7930 **10K MAP SERIES:** 32N KL 73



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MGRS
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1:12,000 Scale

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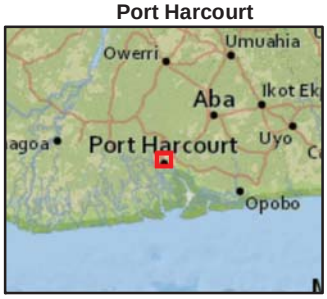

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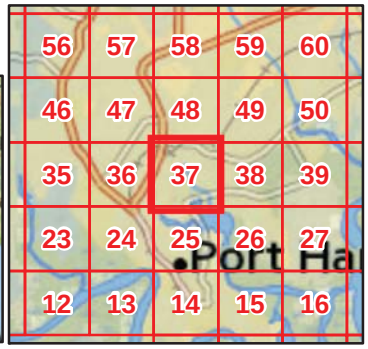

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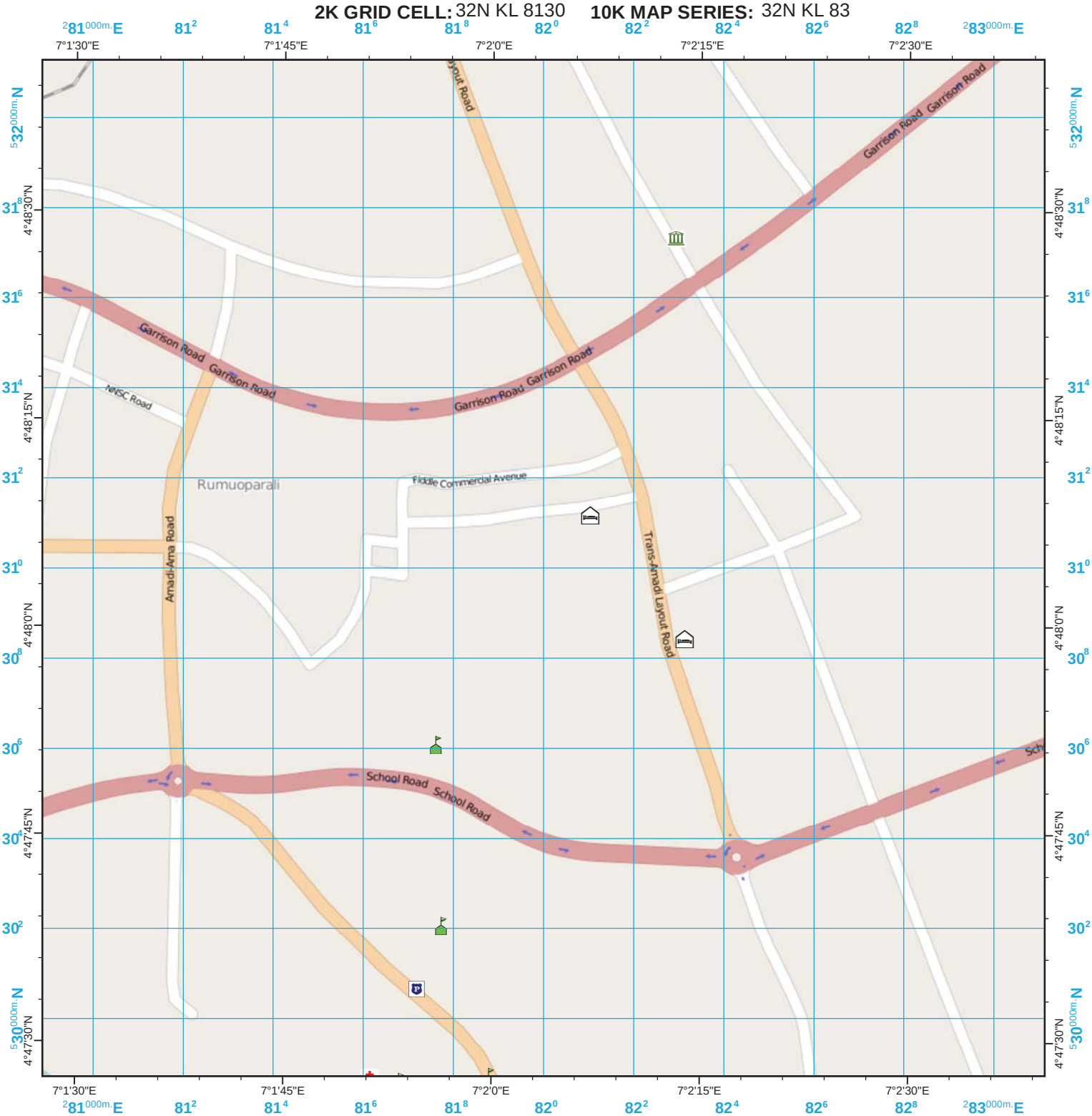

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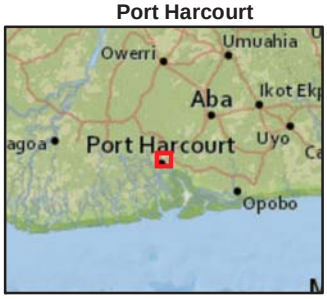

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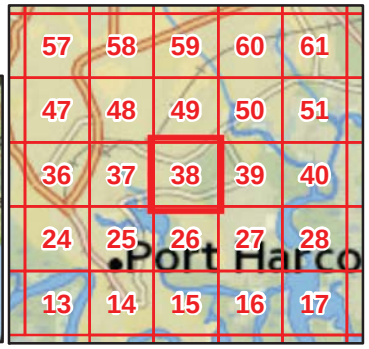

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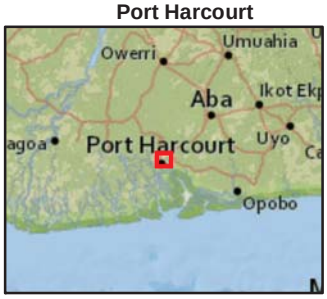

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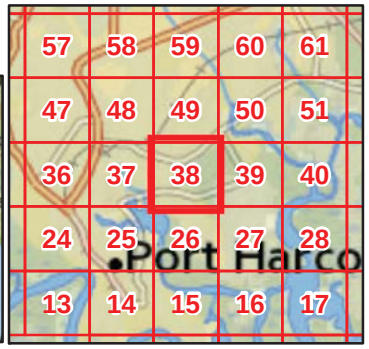

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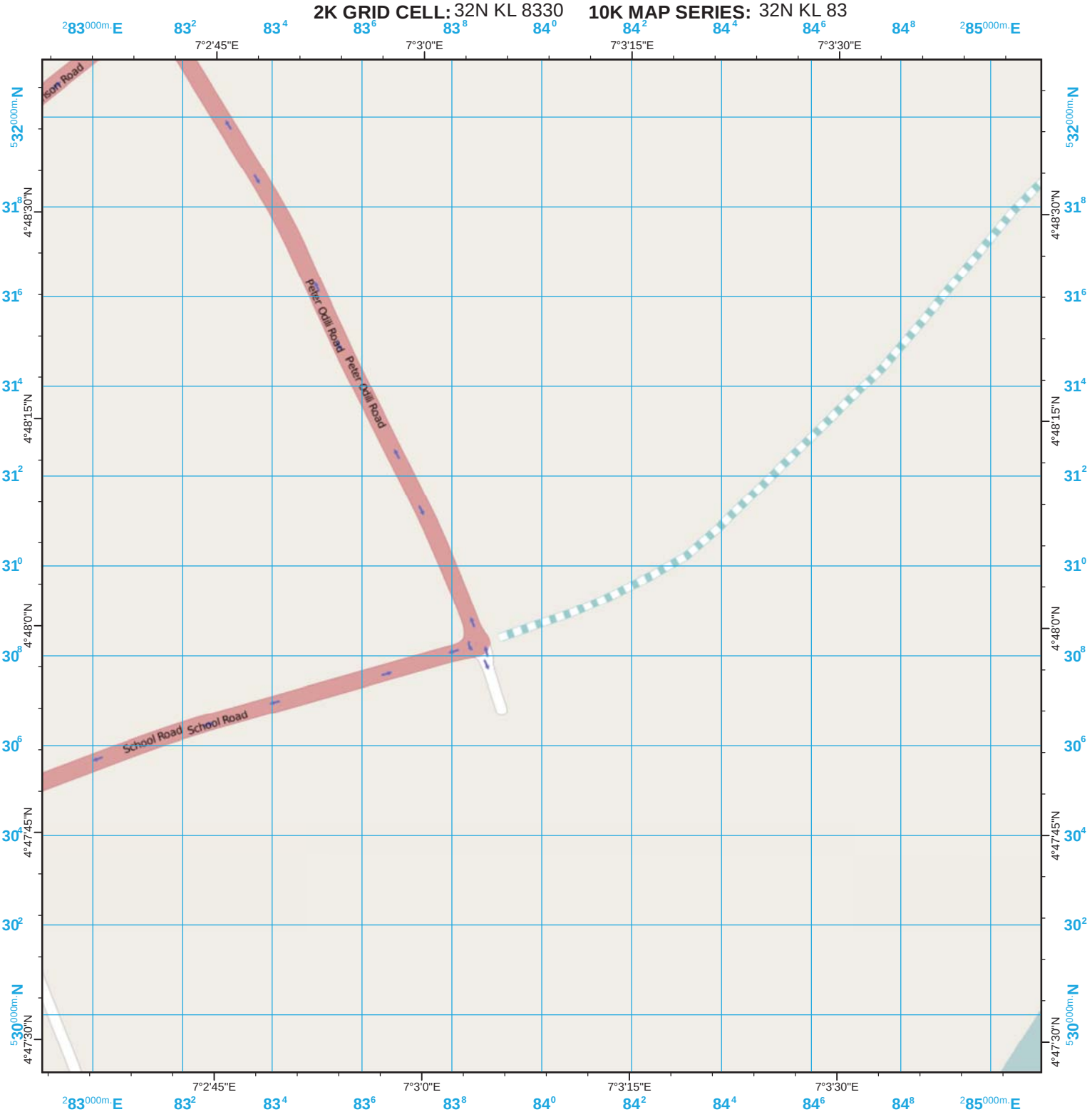

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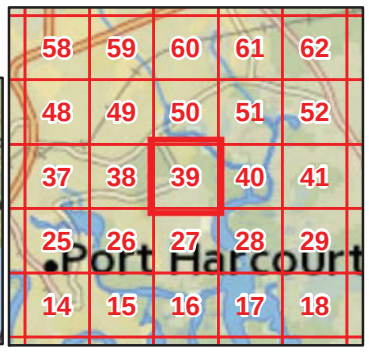

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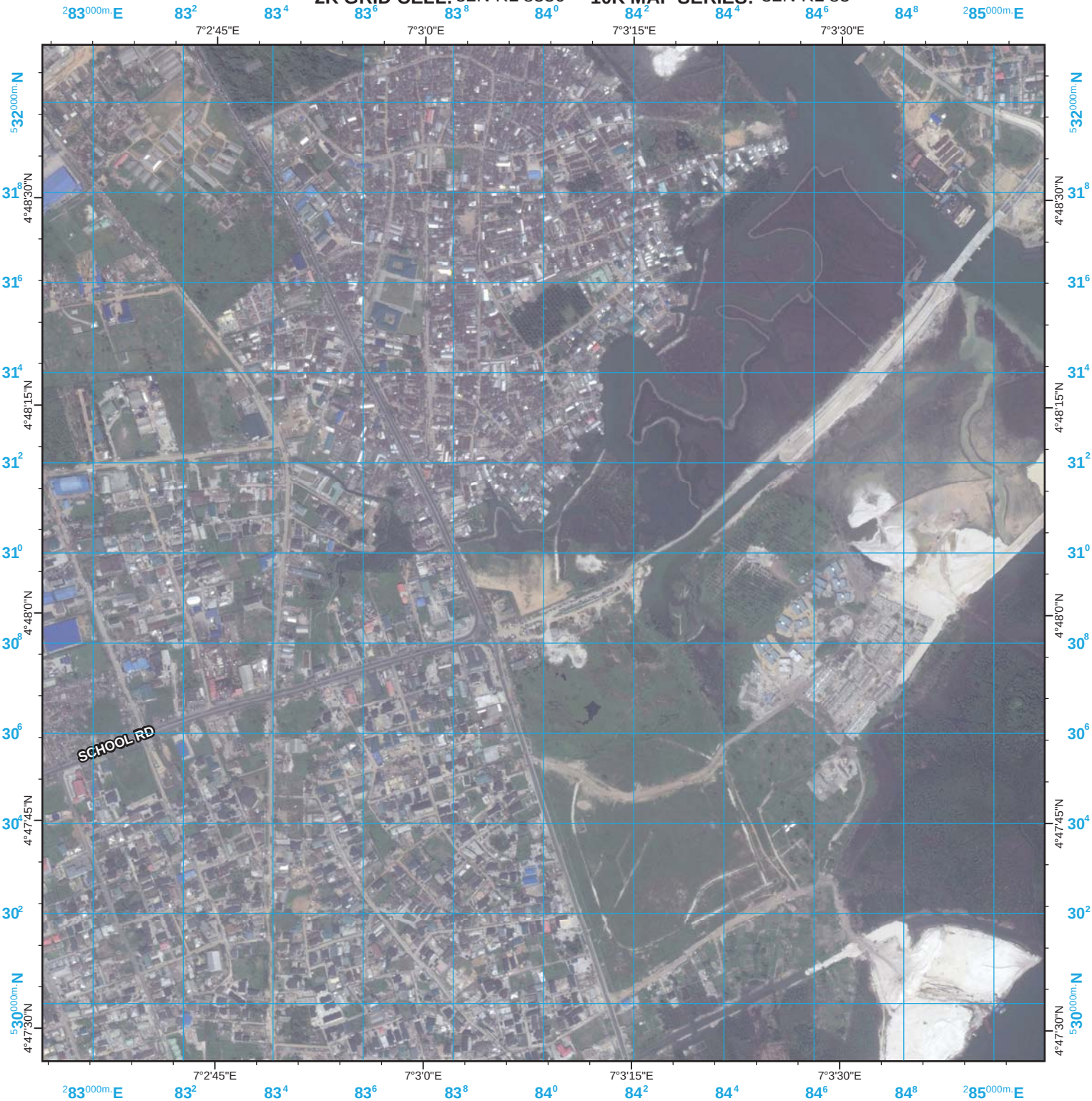

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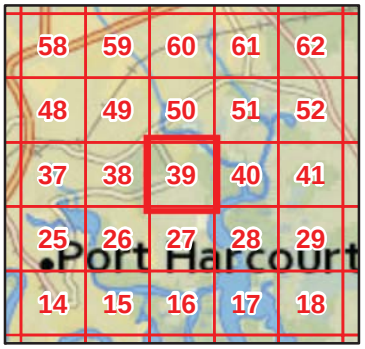
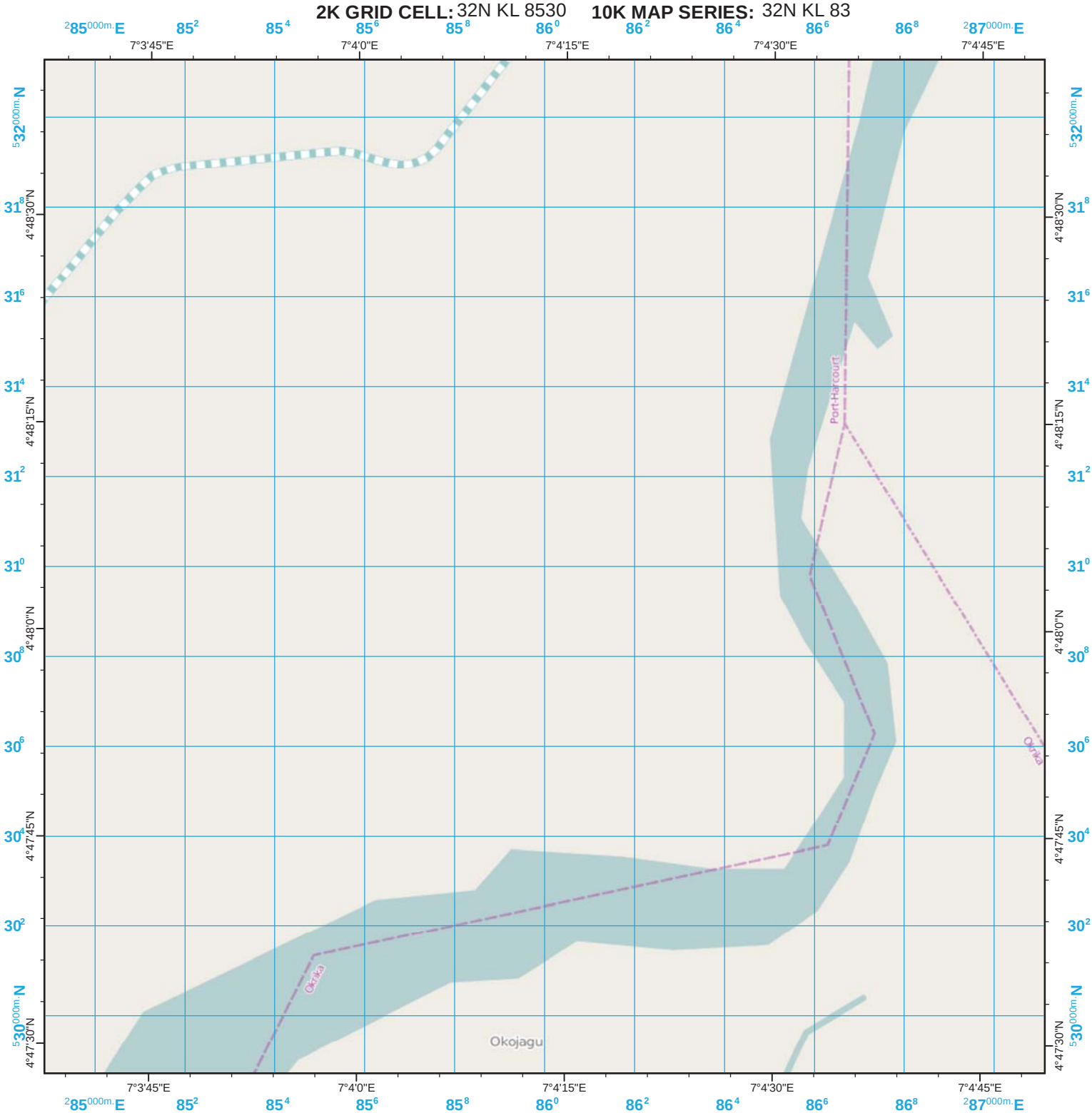


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8530 **10K MAP SERIES:** 32N KL 83



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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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1:12,000 Scale

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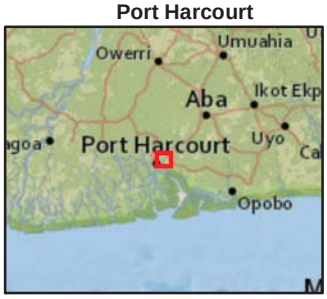
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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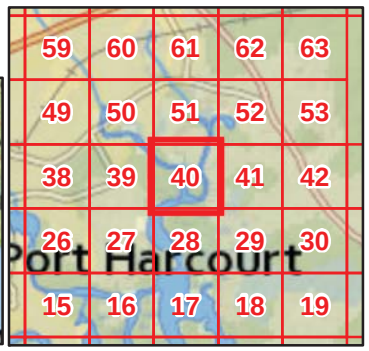

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Grid Zone Designation: 32N

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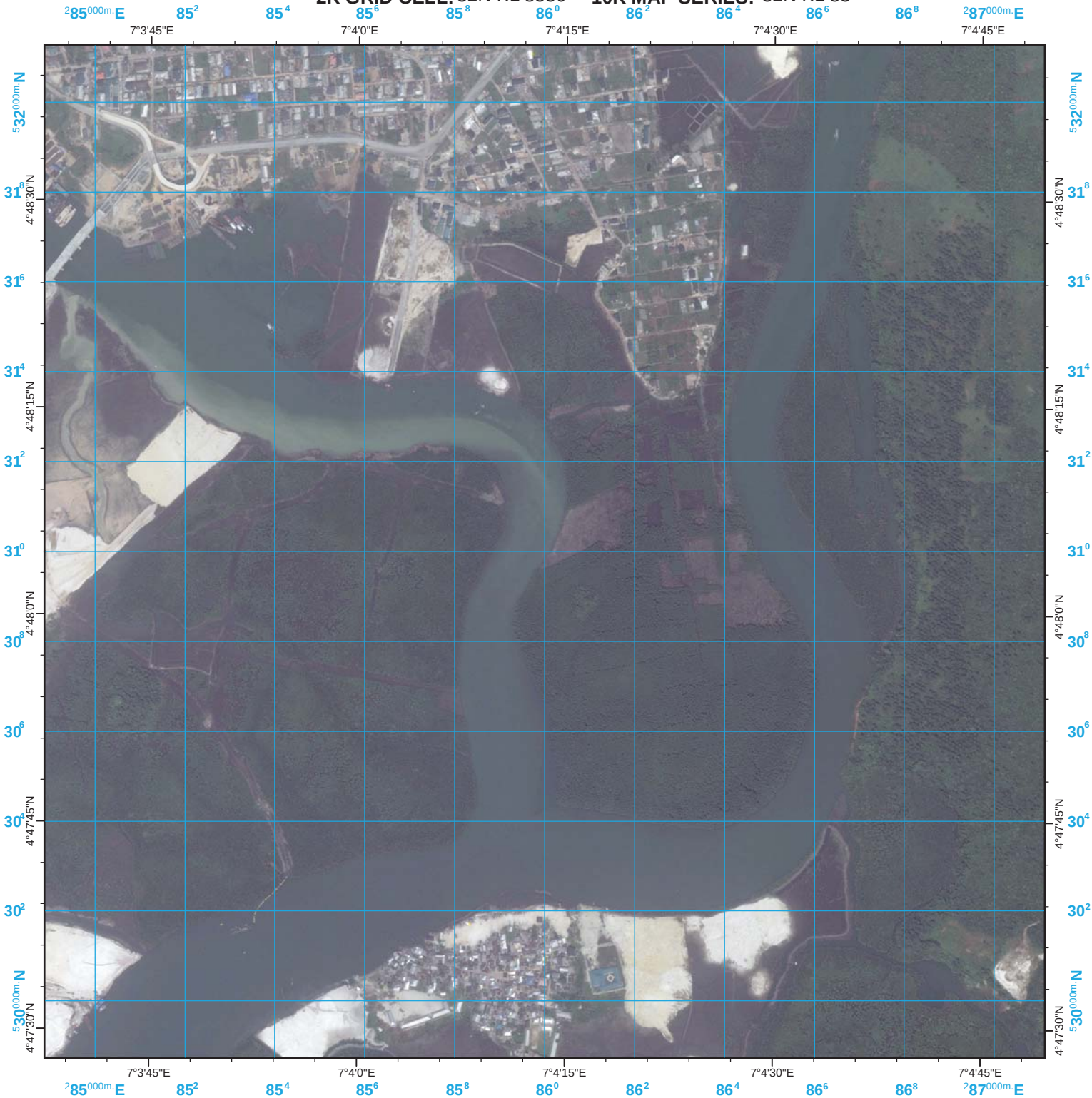
2K GRID CELL: 32N KL 8530 **10K MAP SERIES:** 32N KL 83



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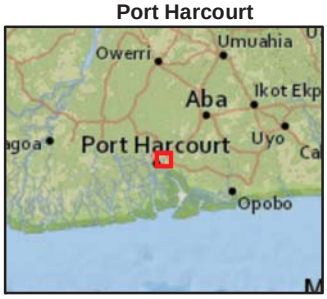

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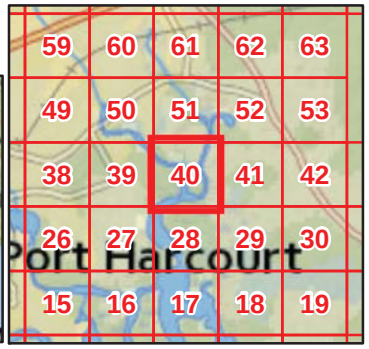
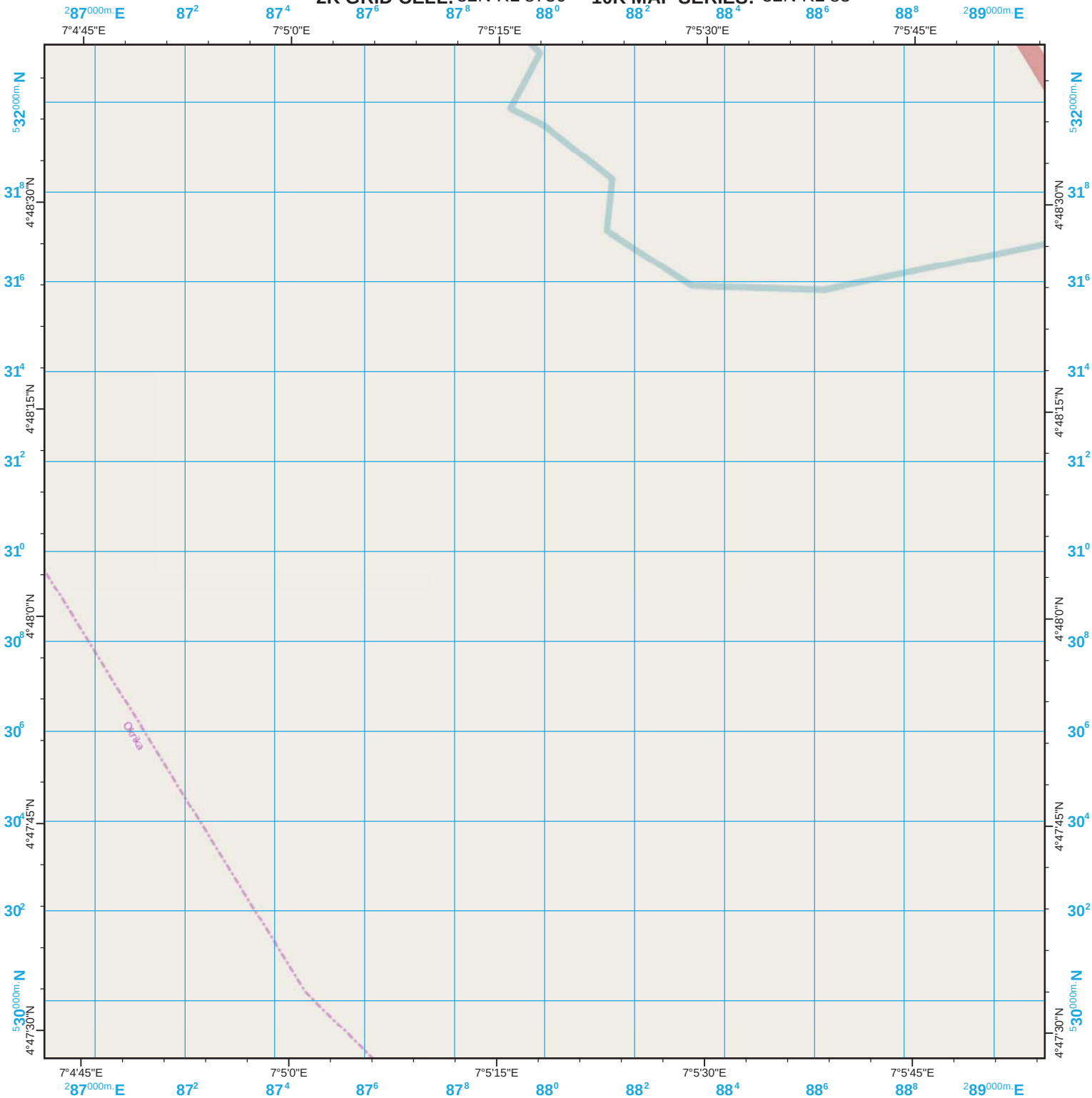


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8730 **10K MAP SERIES:** 32N KL 83



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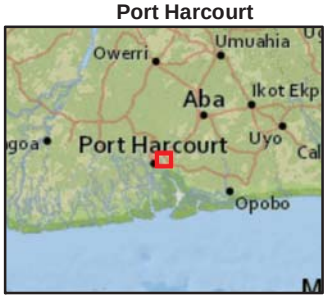

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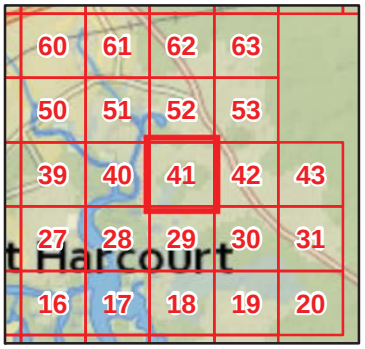

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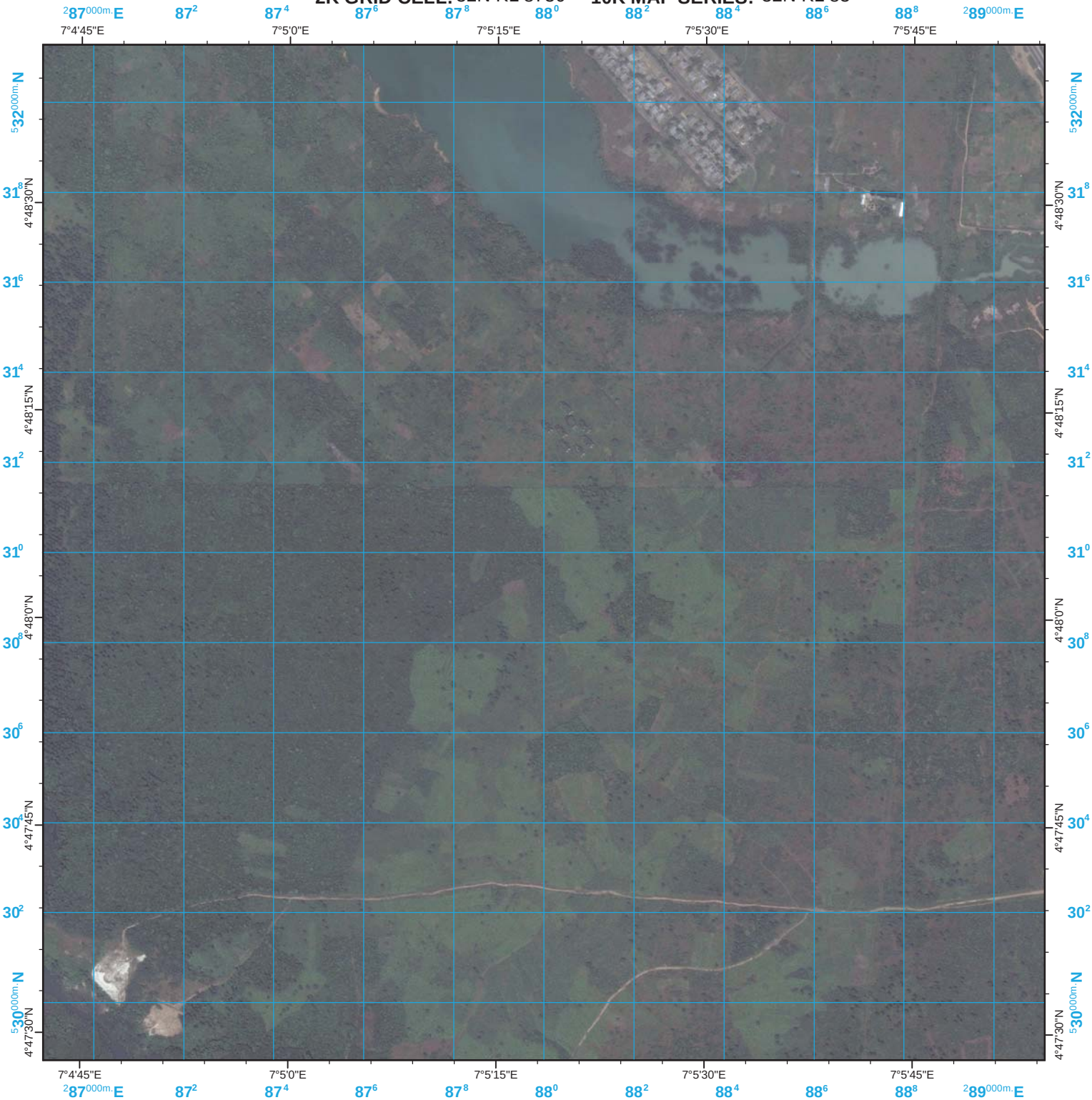

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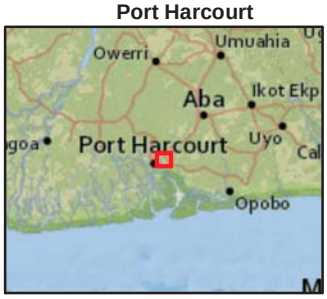

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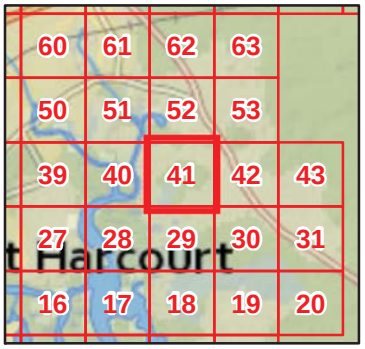

PORT HARCOURT, NIGERIA

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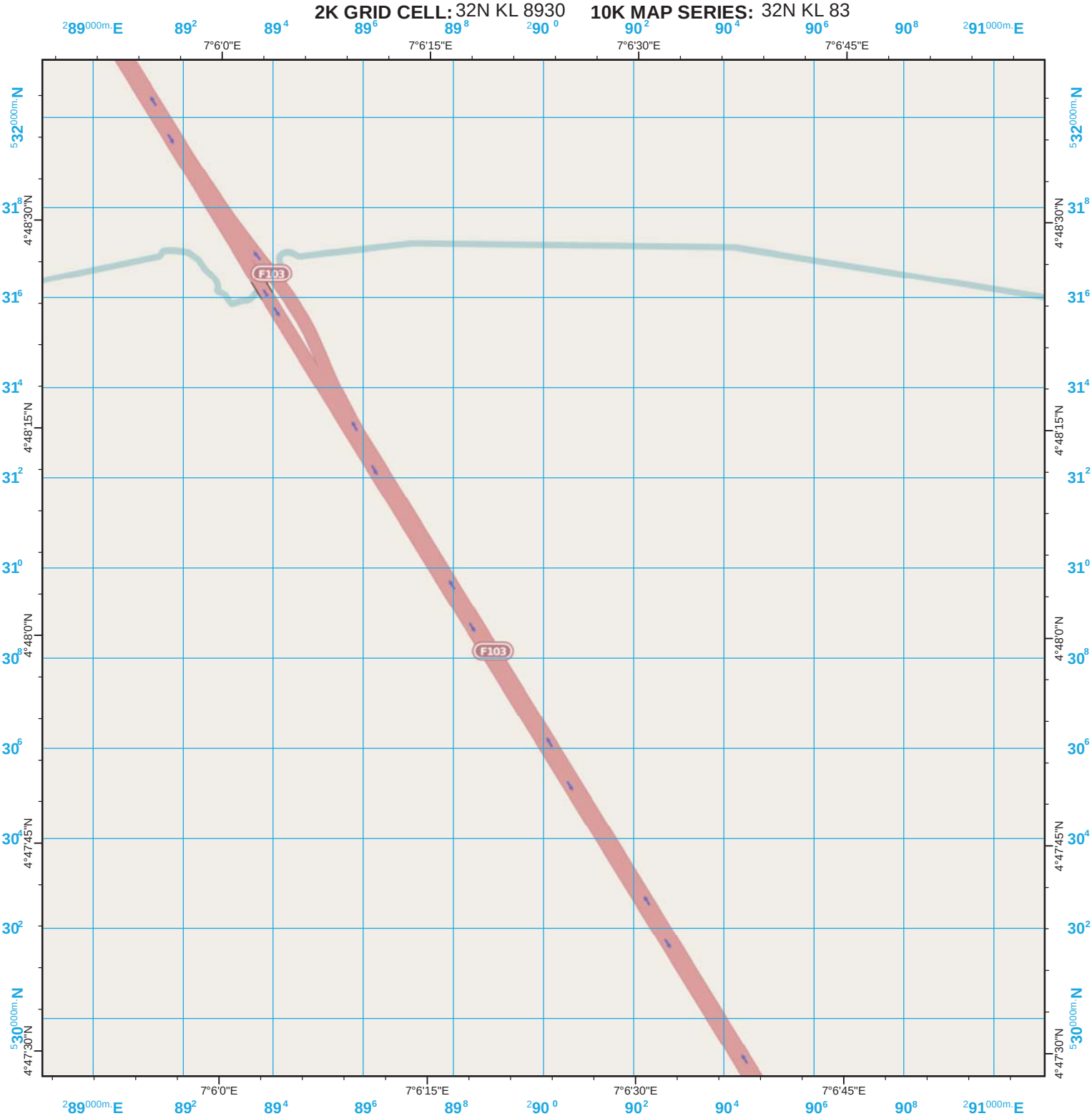

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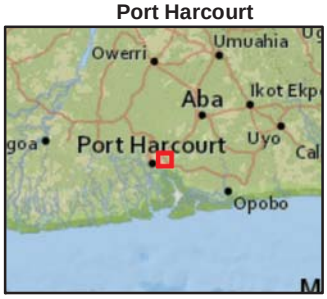

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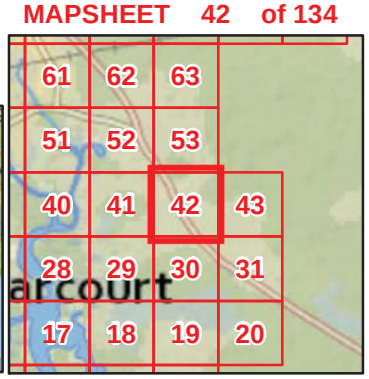

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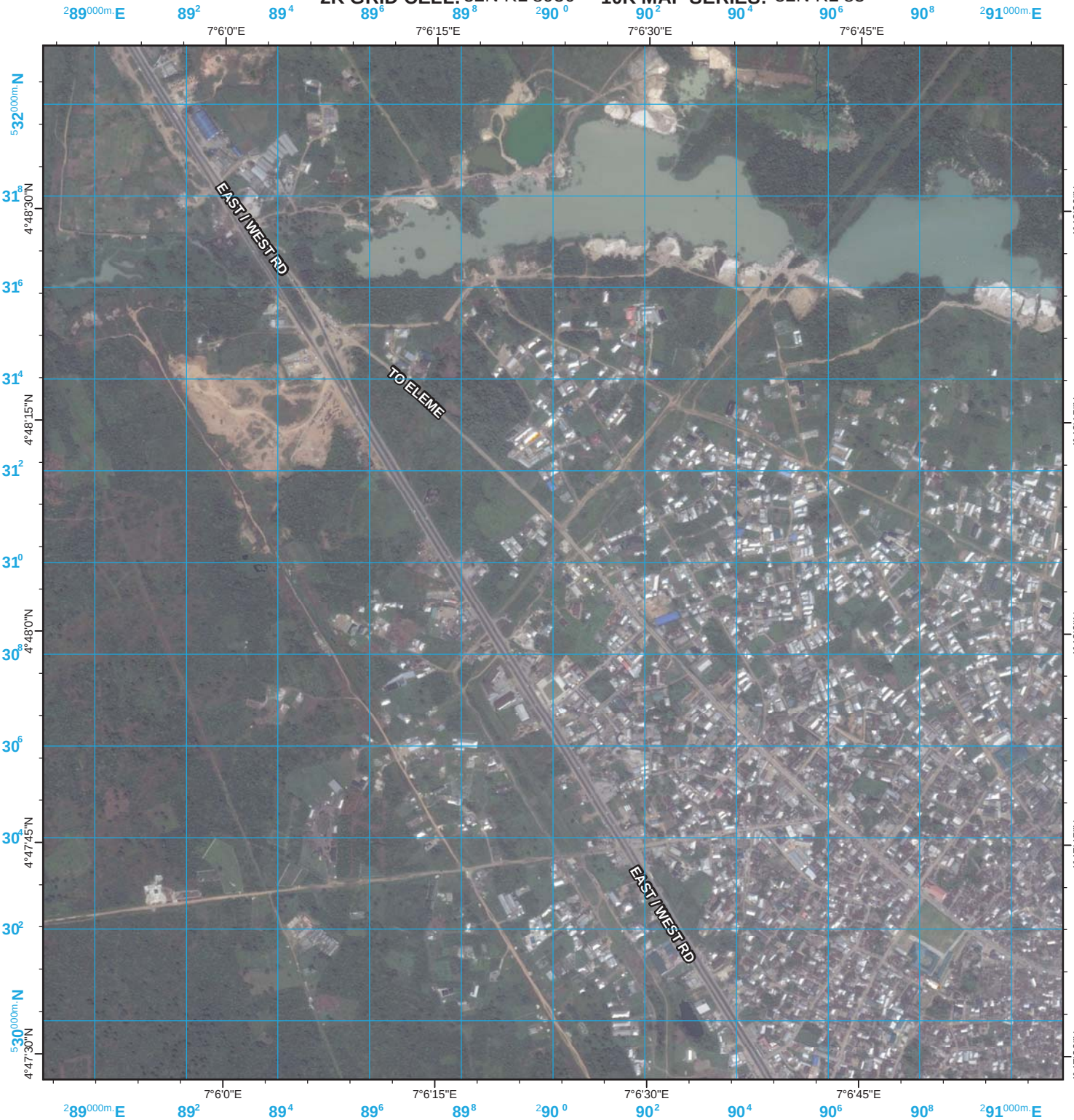

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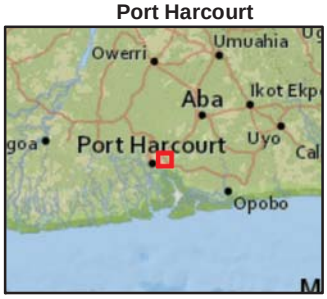

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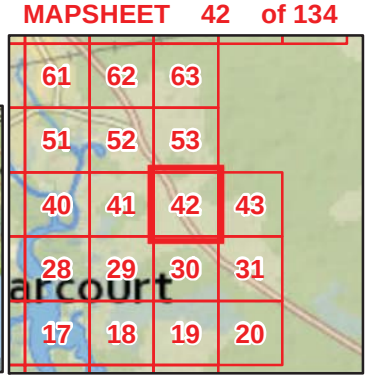

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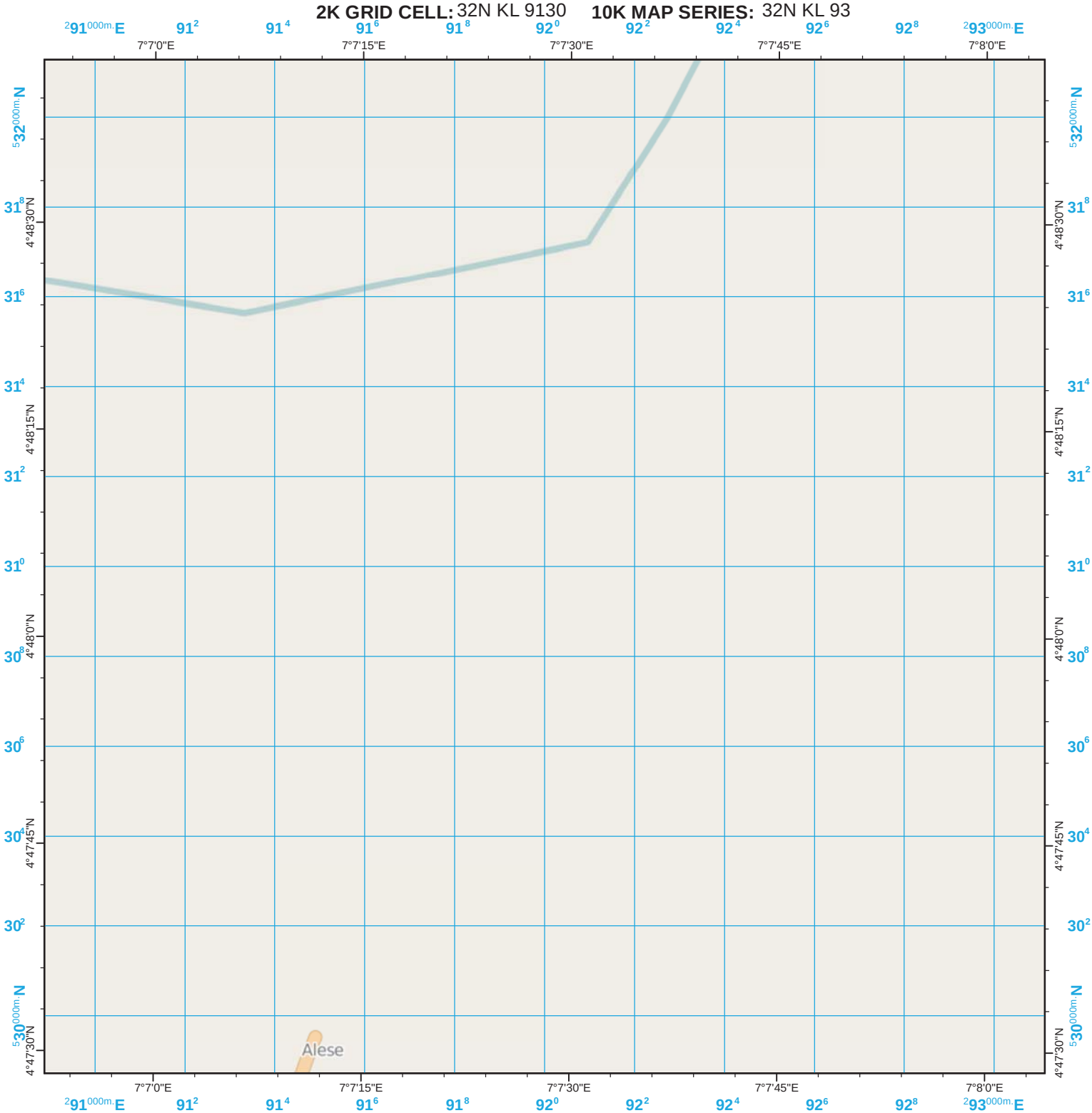

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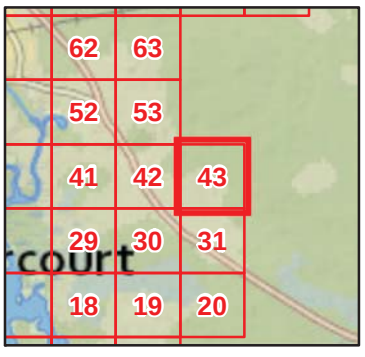

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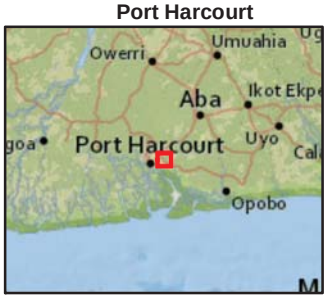

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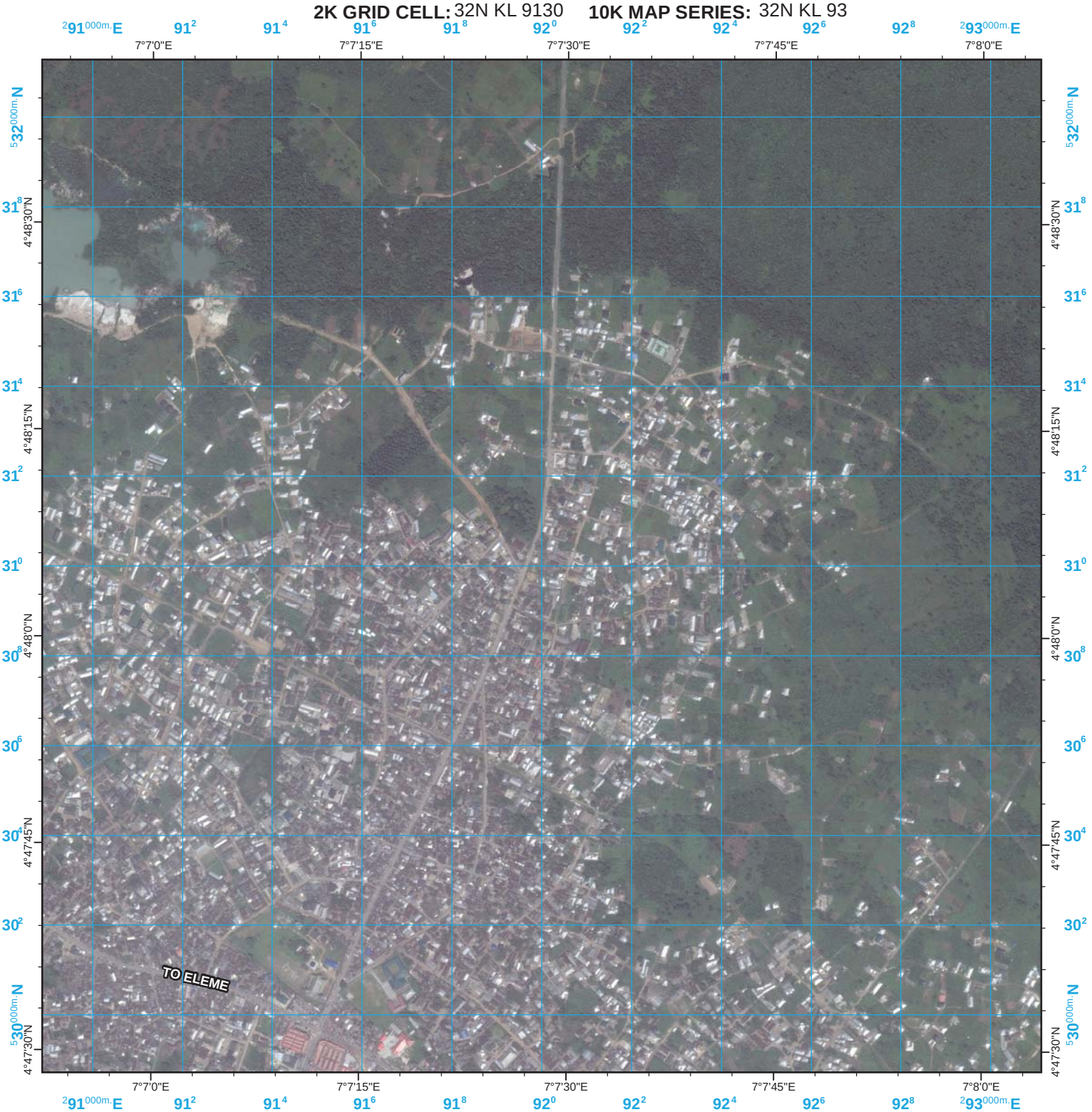

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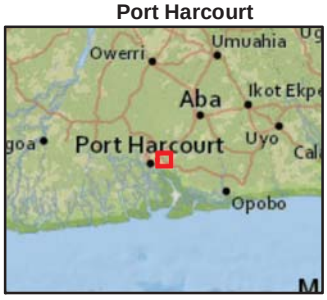

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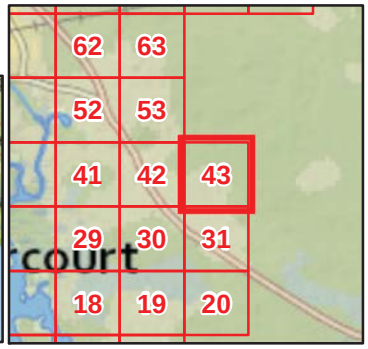

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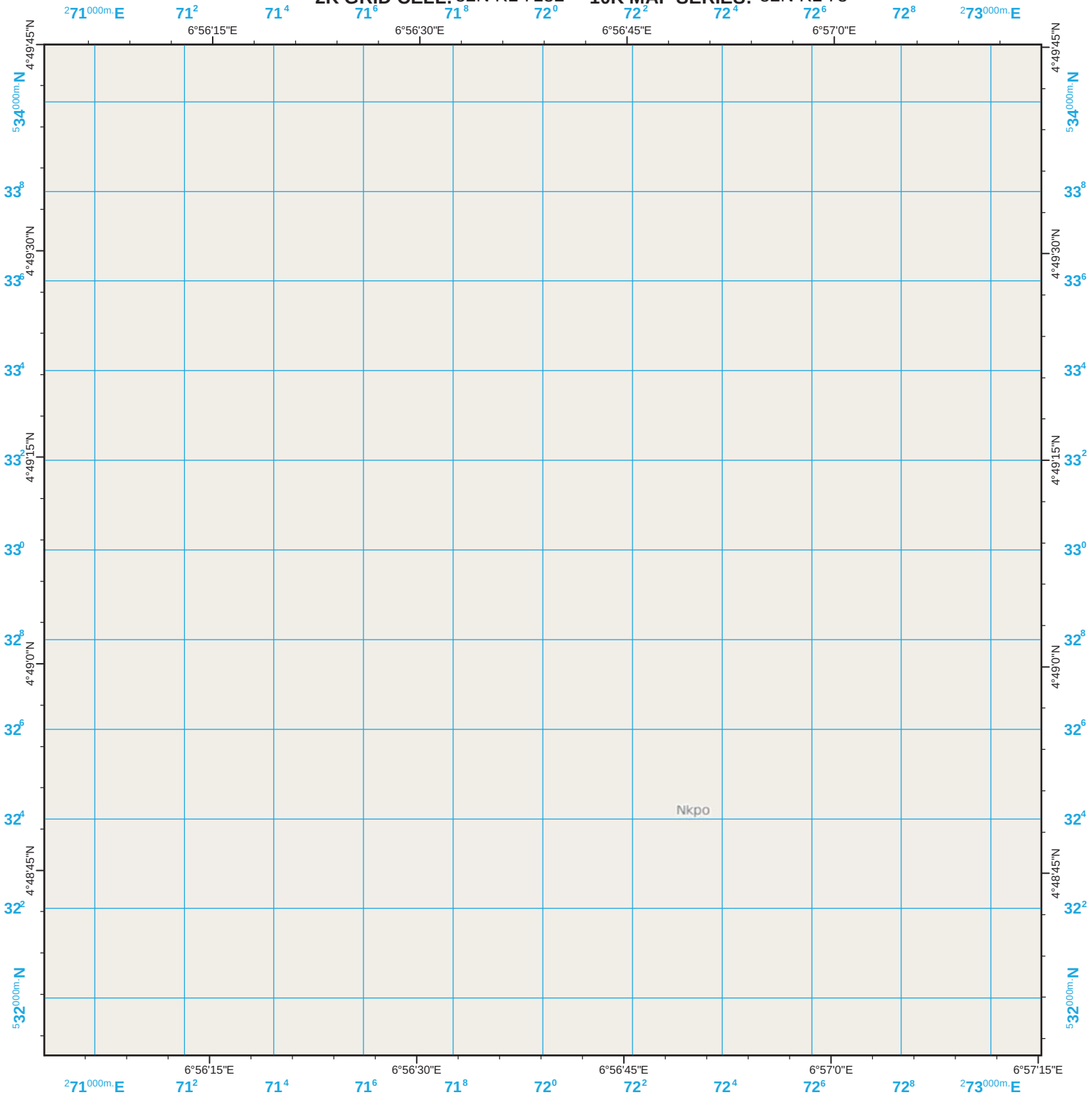

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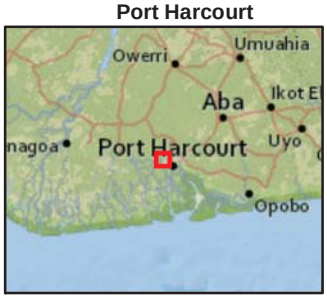

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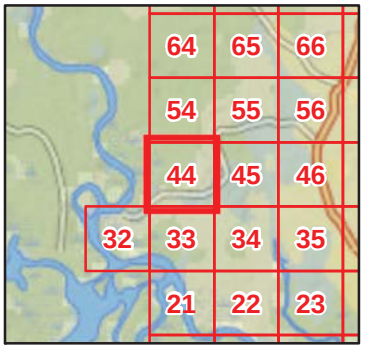

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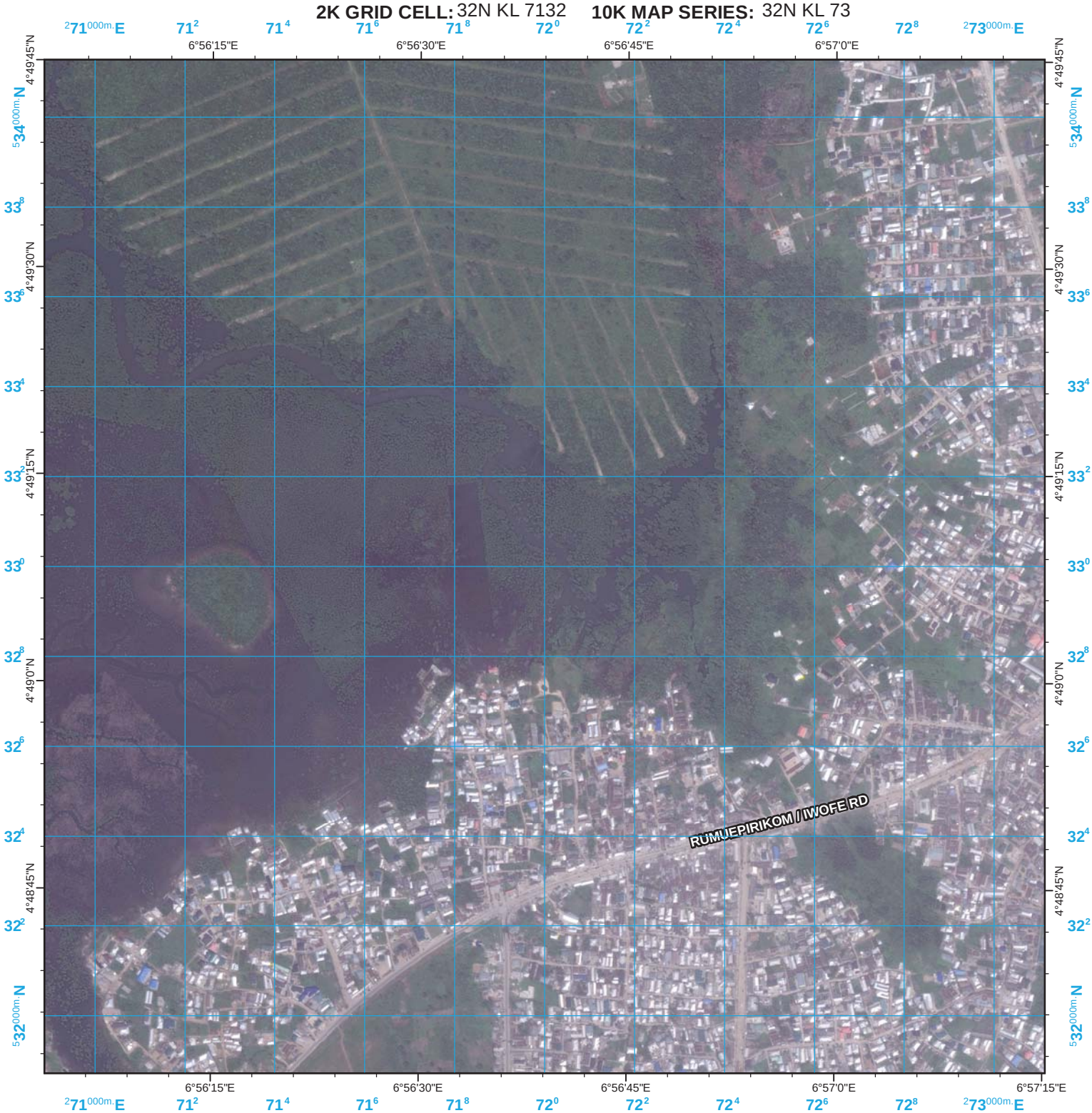

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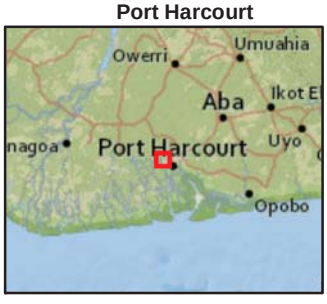

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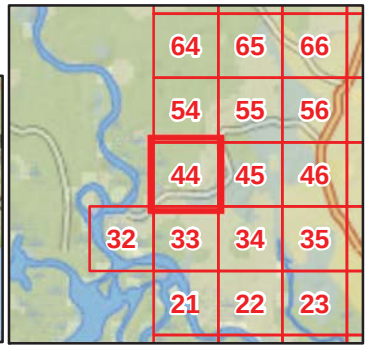

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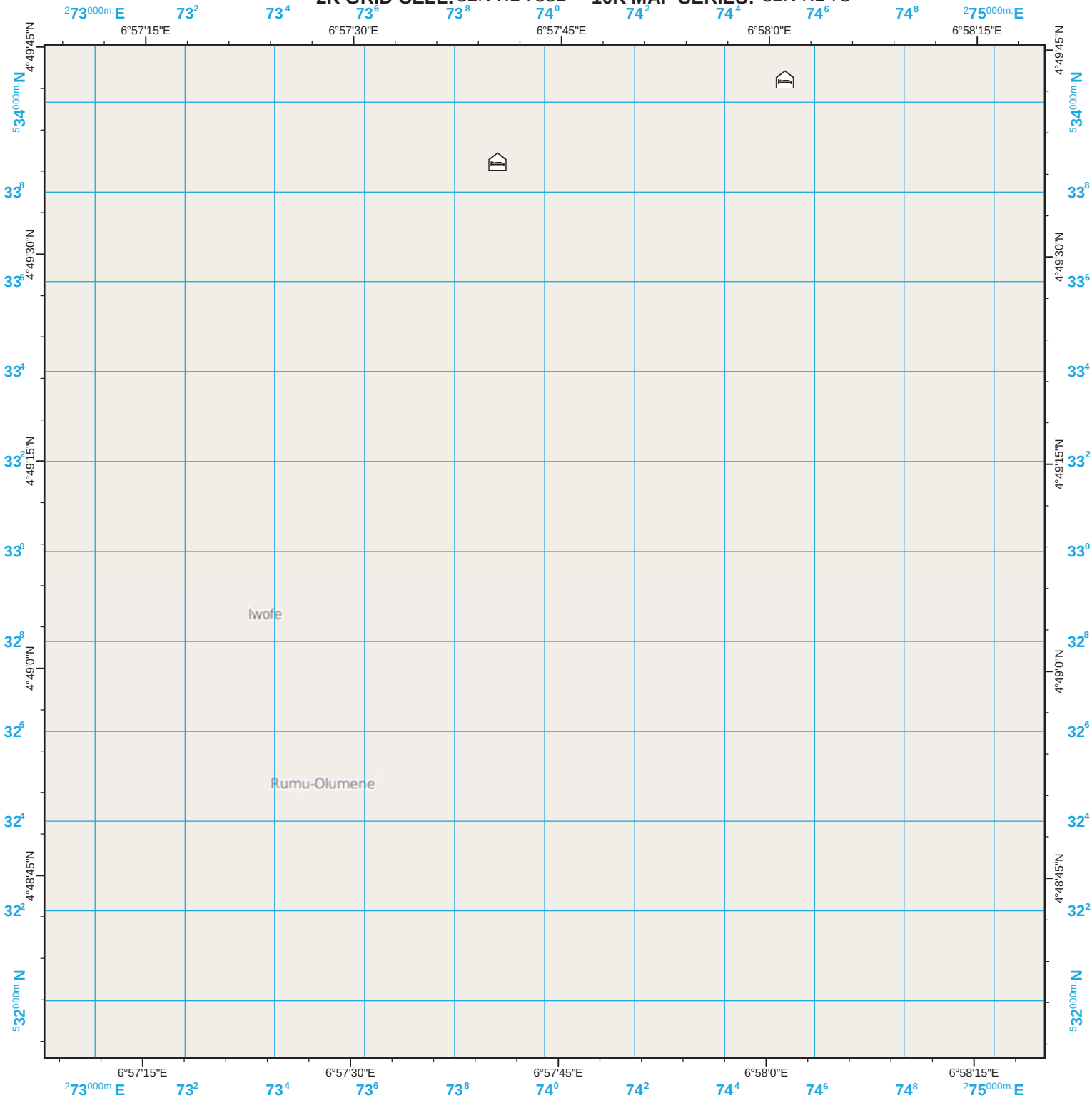

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1:12,000 Scale

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0 250 500 1,000 1,500 2,000 2,500 Feet

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- POLICE
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- SHOPPING
- STADIUM
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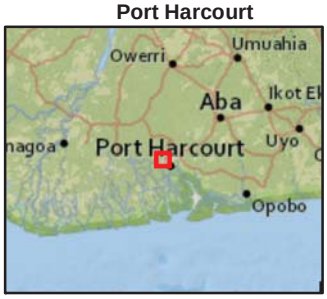
Port Harcourt



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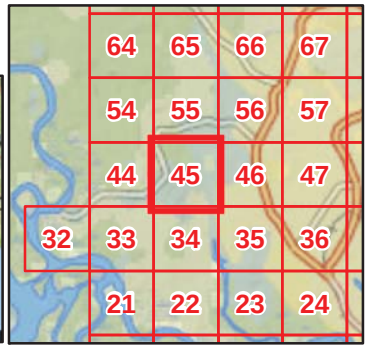
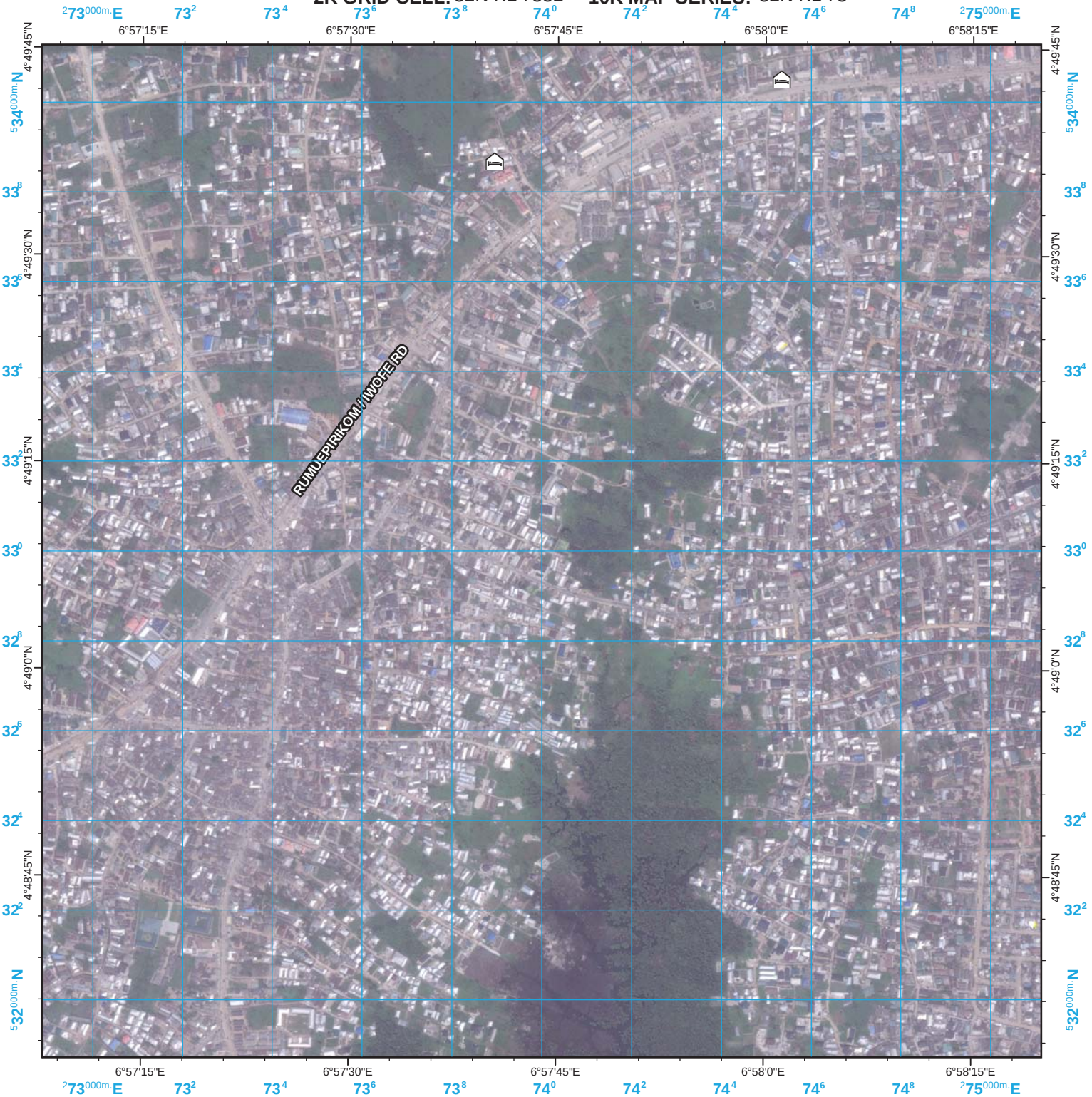


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7332 **10K MAP SERIES:** 32N KL 73



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100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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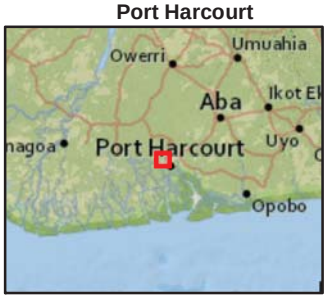
Port Harcourt



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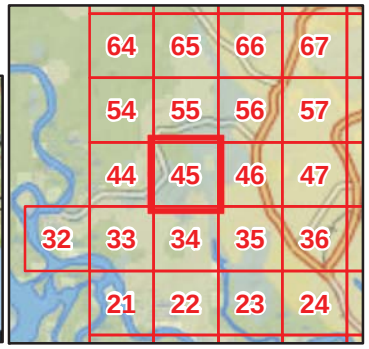

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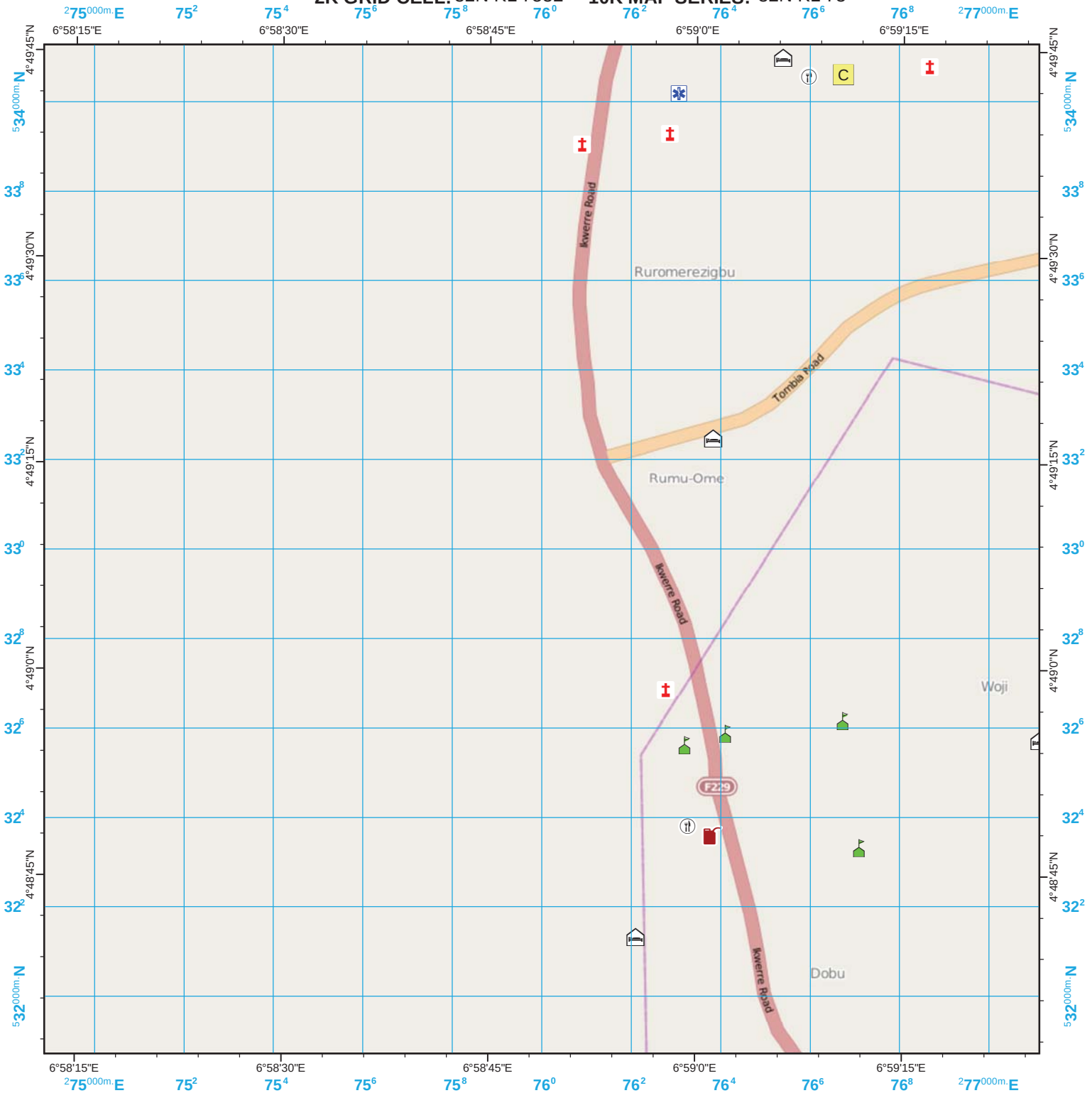
2K GRID CELL: 32N KL 7532 **10K MAP SERIES:** 32N KL 73



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1:12,000 Scale

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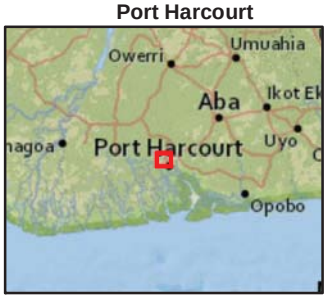

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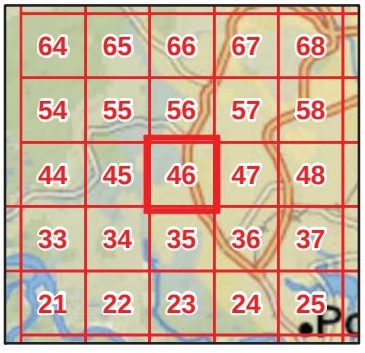
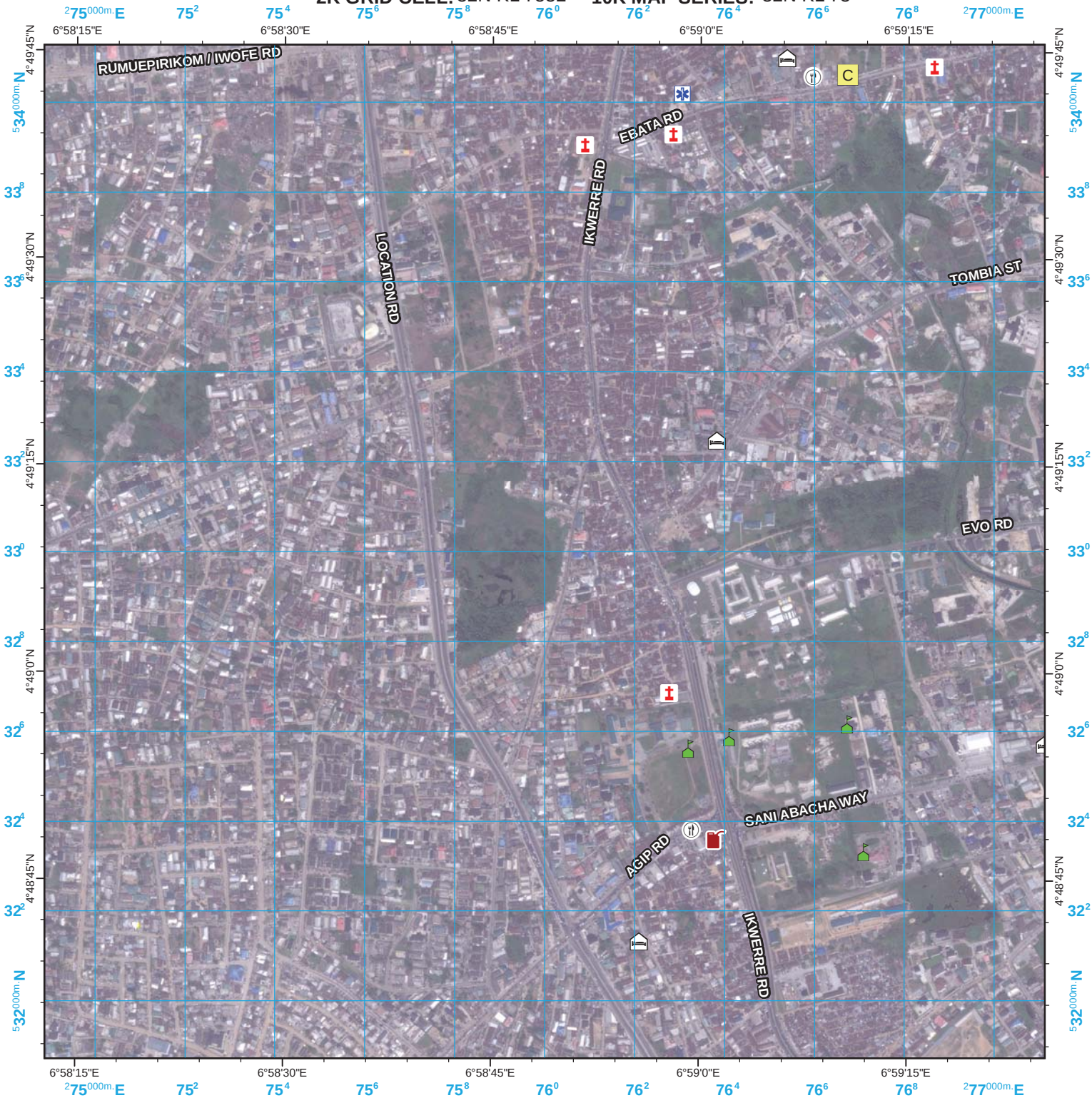


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7532 **10K MAP SERIES:** 32N KL 73



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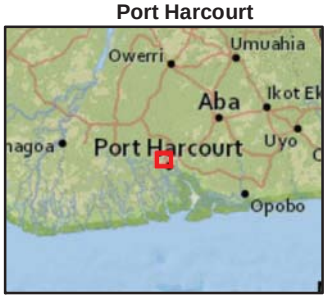

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2K GRID CELL: 32N KL 7732 **10K MAP SERIES:** 32N KL 73

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Grid Zone Designation
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0 250 500 1,000 1,500 2,000 2,500 Feet

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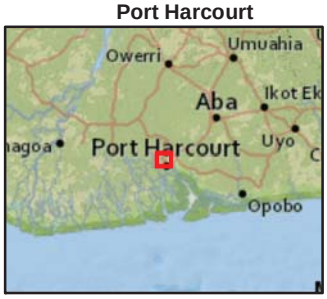

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0 250 500 1,000 1,500 2,000 2,500 Feet

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55	56	57	58	59	
45	46	47	48	49	
34	35	36	37	38	
22	23	24	25	26	Port

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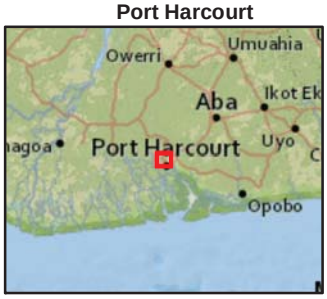

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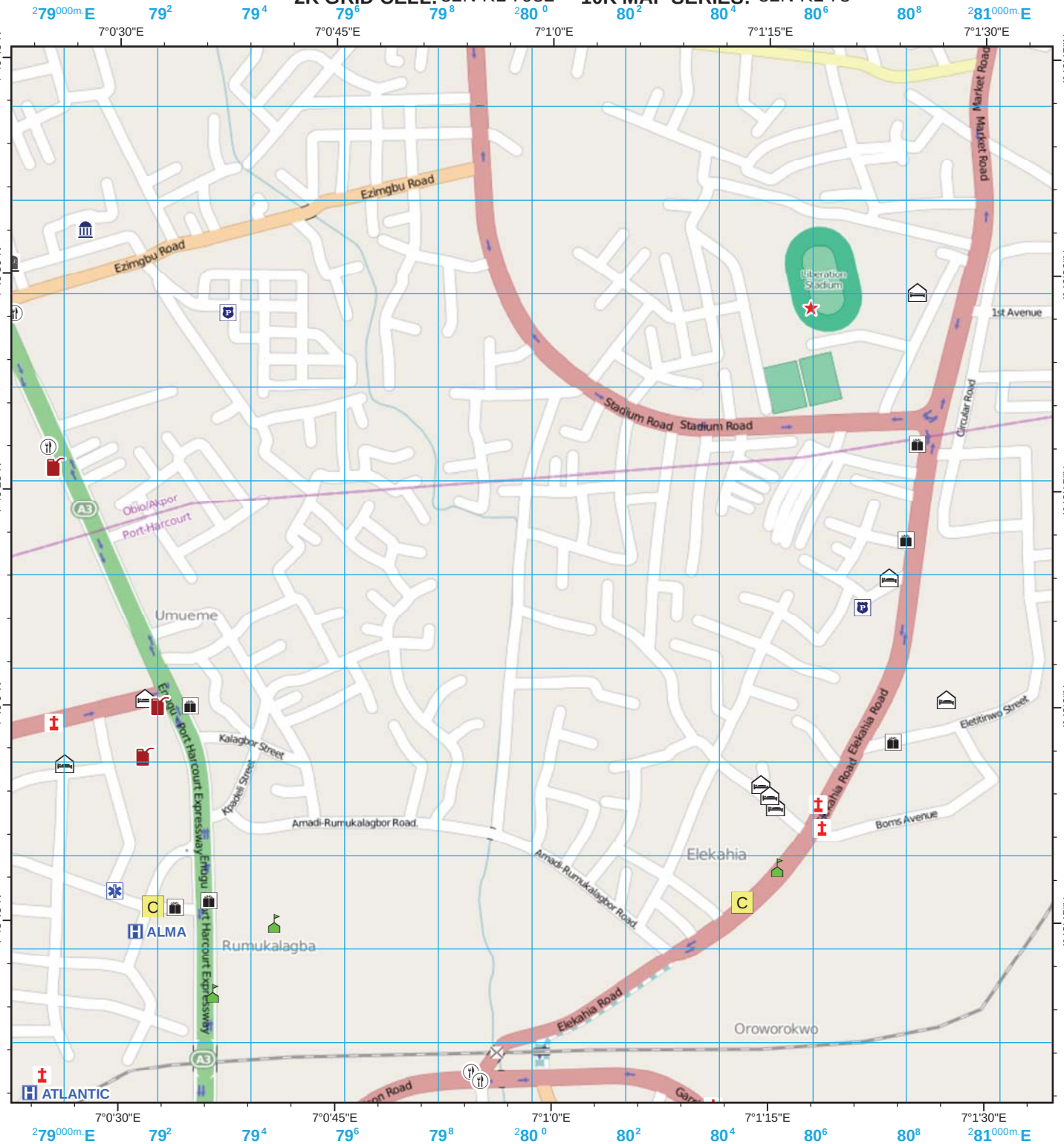
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7932 **10K MAP SERIES:** 32N KL 73



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100,000-m Square Identification: KL
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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35	36	37	38	39
23	24	25	26	27

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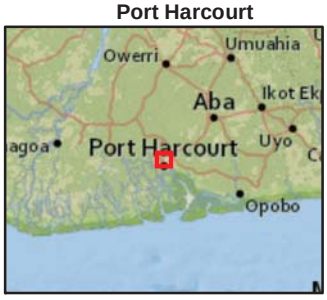

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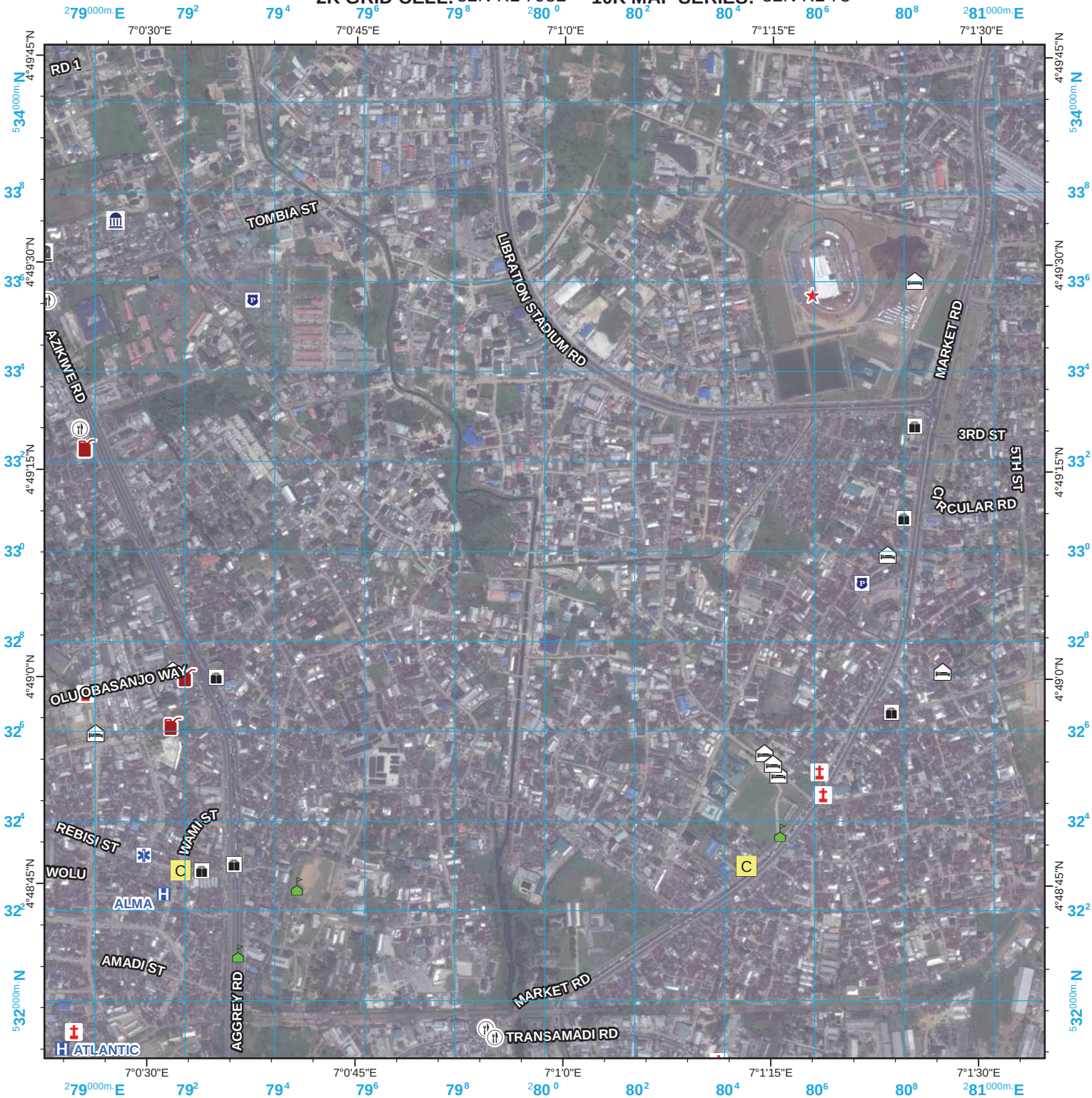
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7932 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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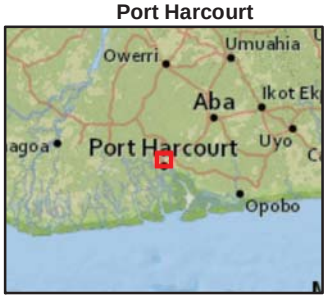

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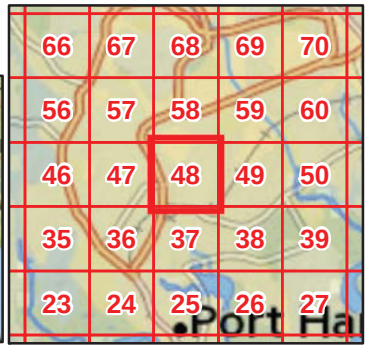

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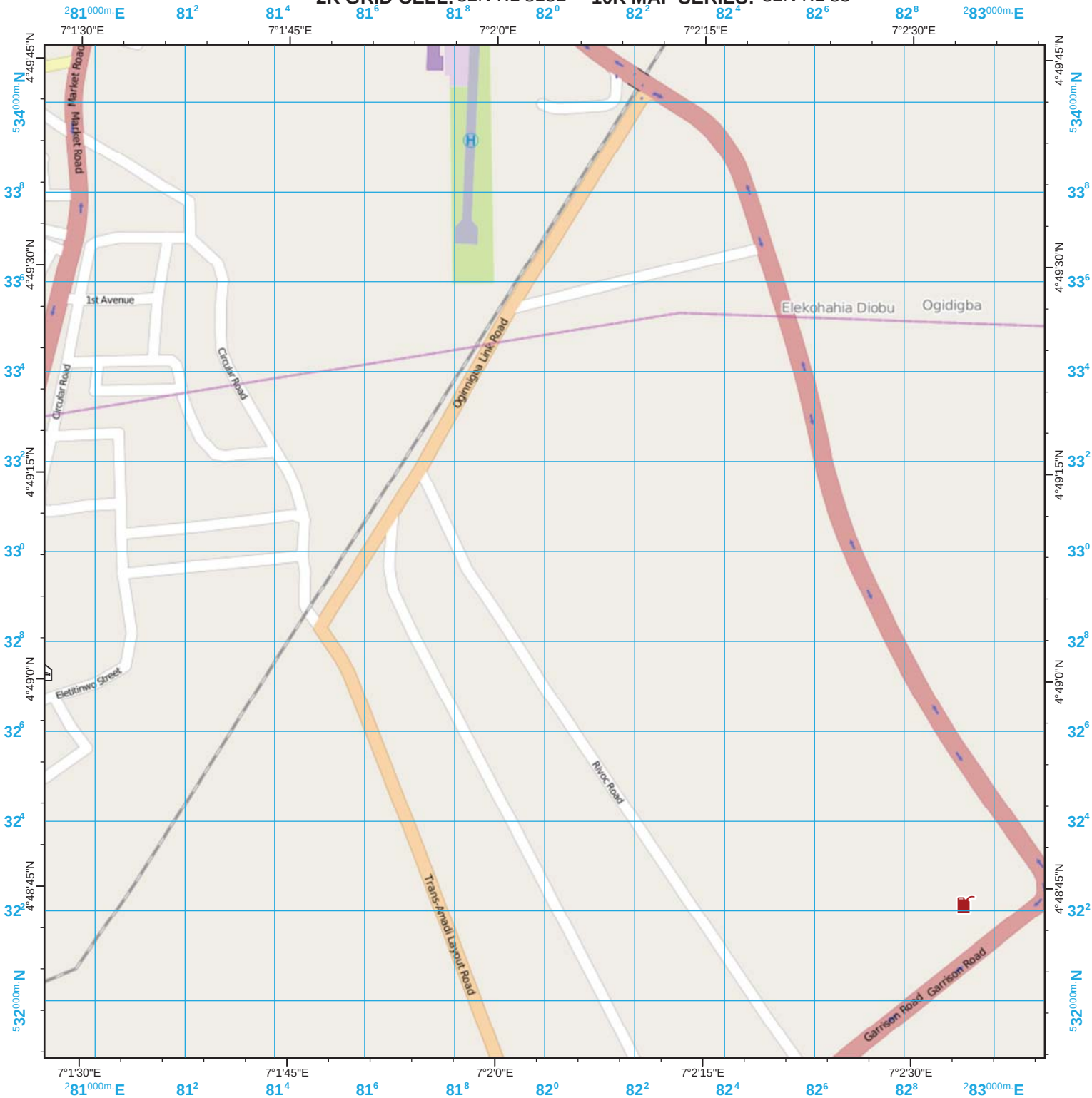
2K GRID CELL: 32N KL 8132 **10K MAP SERIES:** 32N KL 83



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1:12,000 Scale

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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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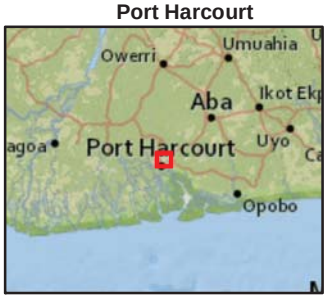

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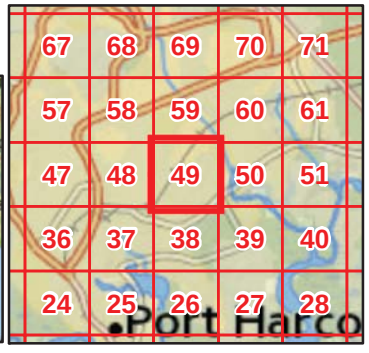

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MGRS
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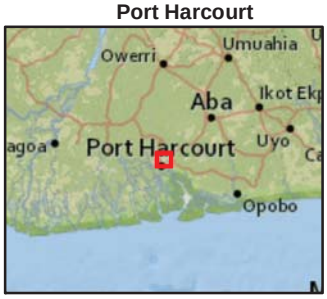

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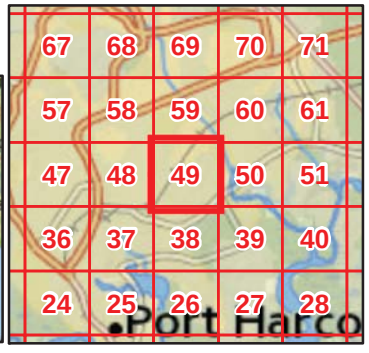

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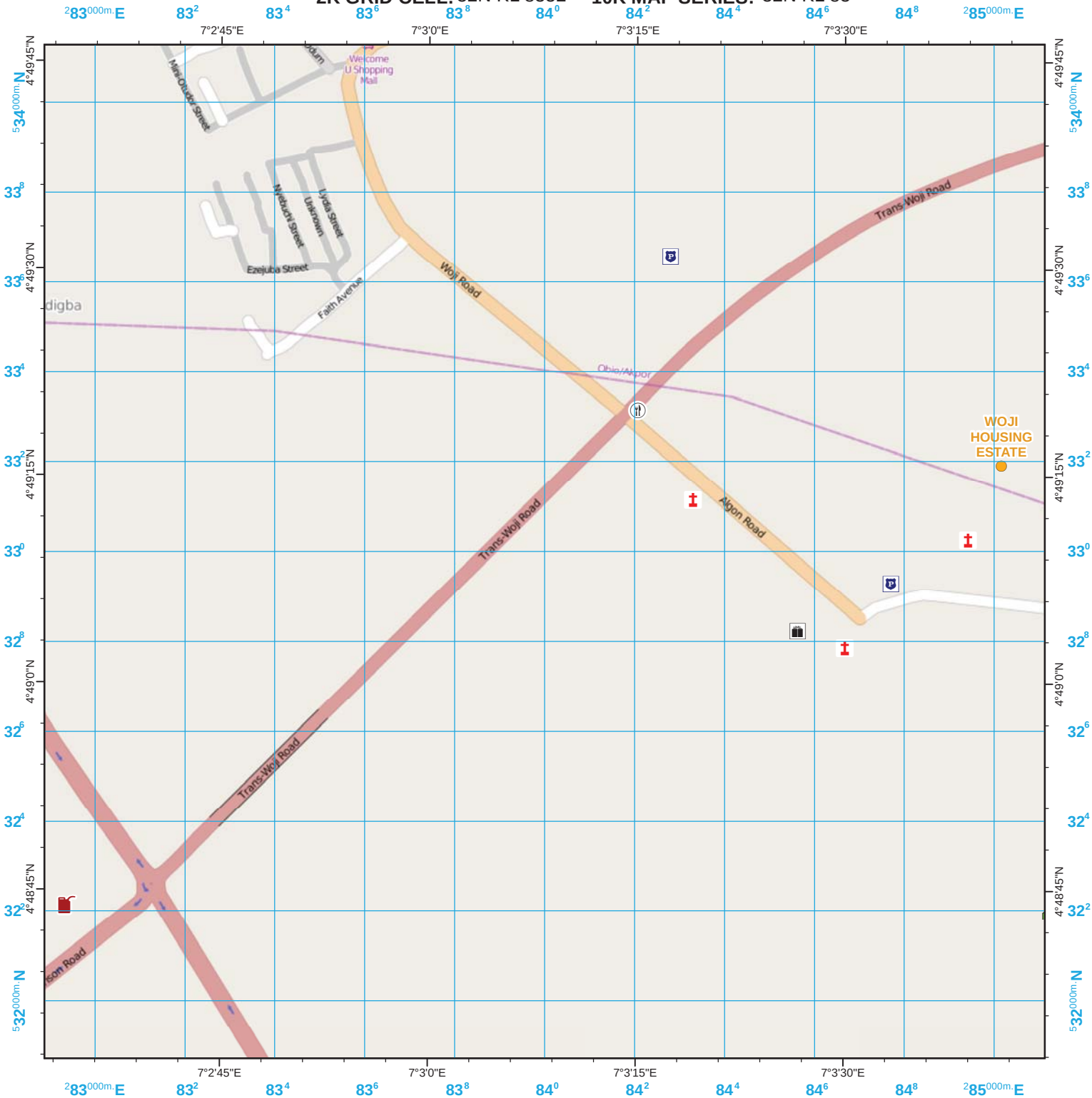
2K GRID CELL: 32N KL 8332 **10K MAP SERIES:** 32N KL 83



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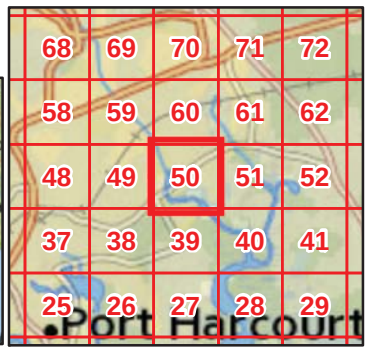

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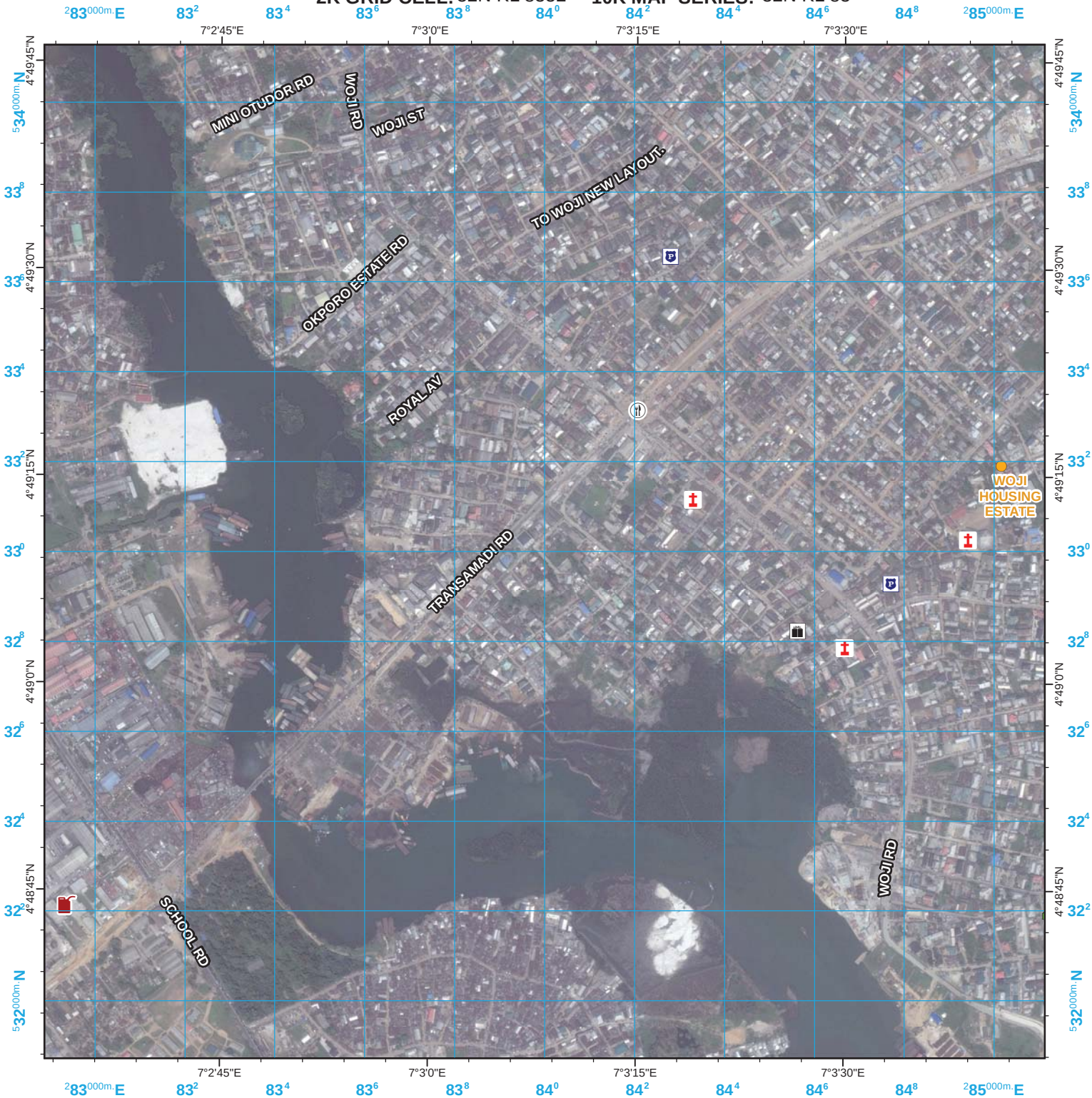
2K GRID CELL: 32N KL 8332 **10K MAP SERIES:** 32N KL 83



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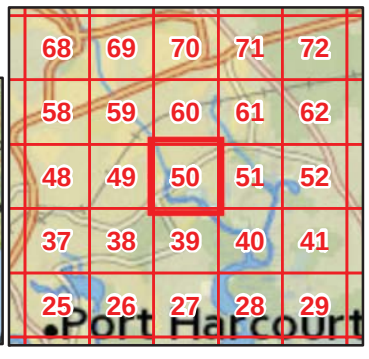

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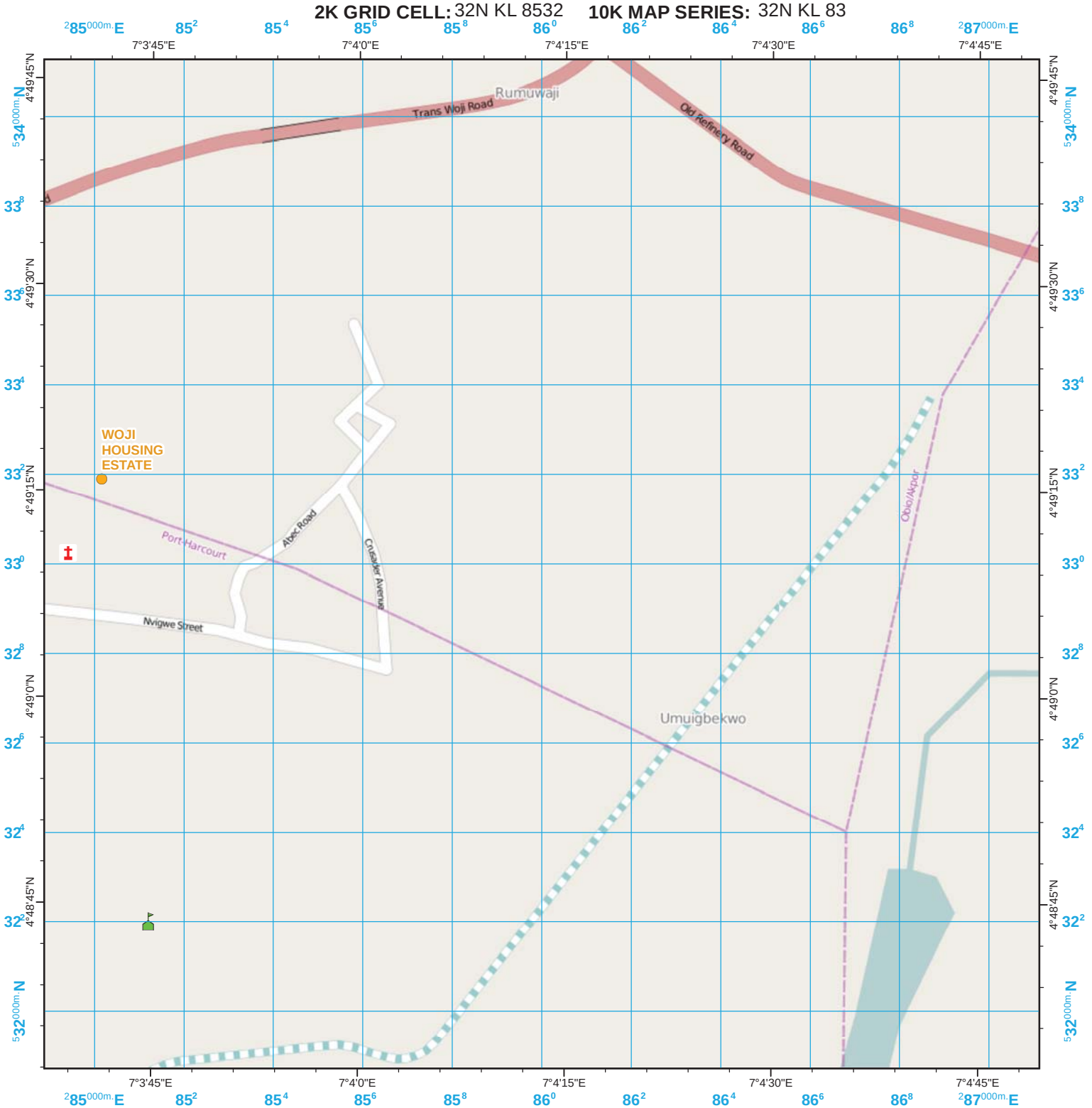
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8532 **10K MAP SERIES:** 32N KL 83



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0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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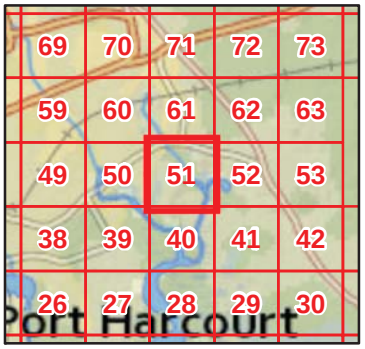

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2K GRID CELL: 32N KL 8532 **10K MAP SERIES:** 32N KL 83

2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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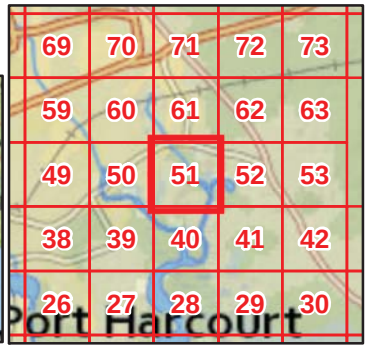
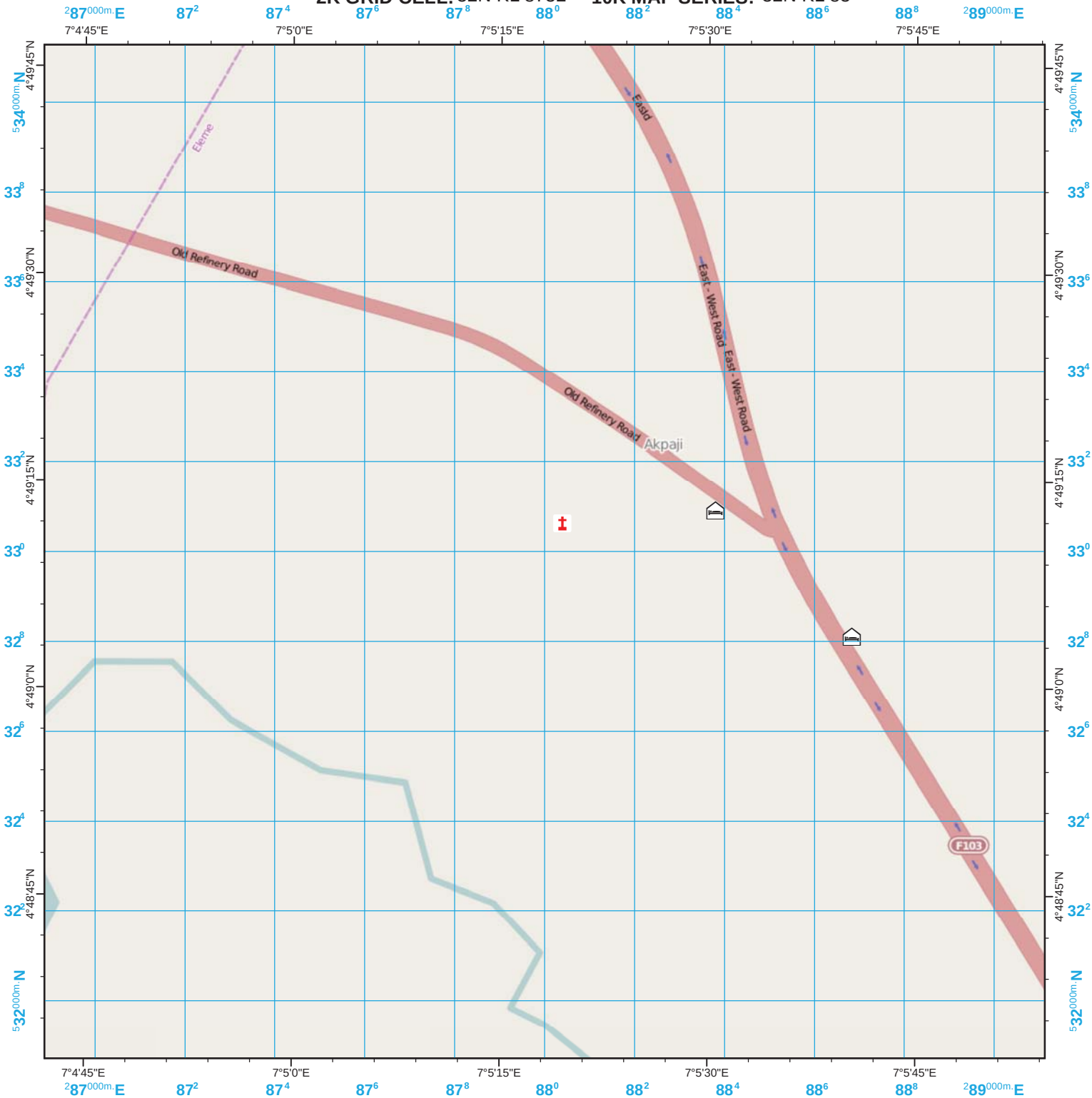


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8732 **10K MAP SERIES:** 32N KL 83



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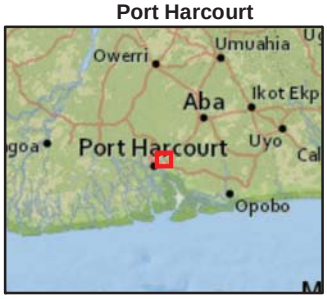

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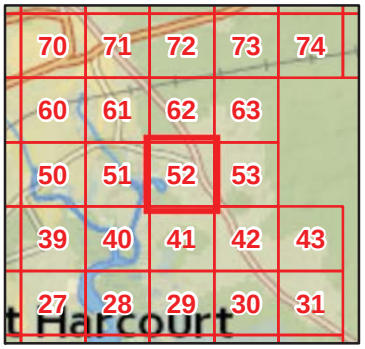
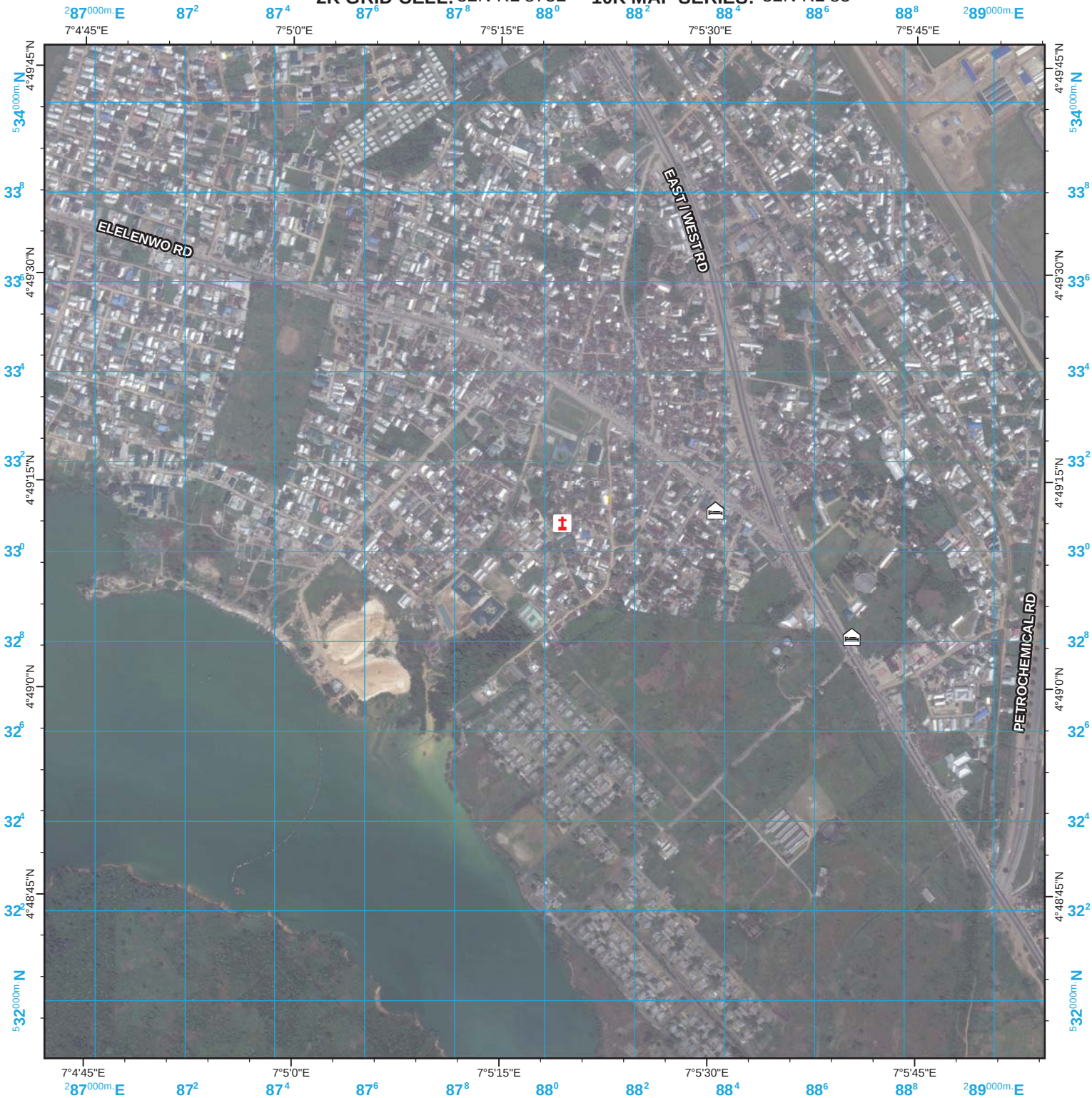


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8732 **10K MAP SERIES:** 32N KL 83



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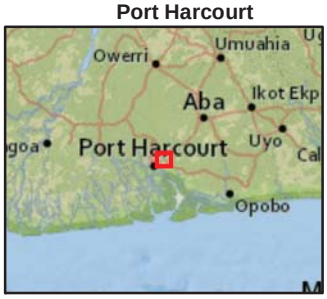

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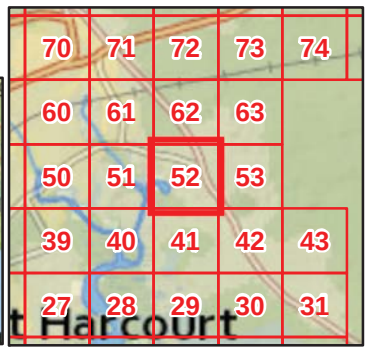
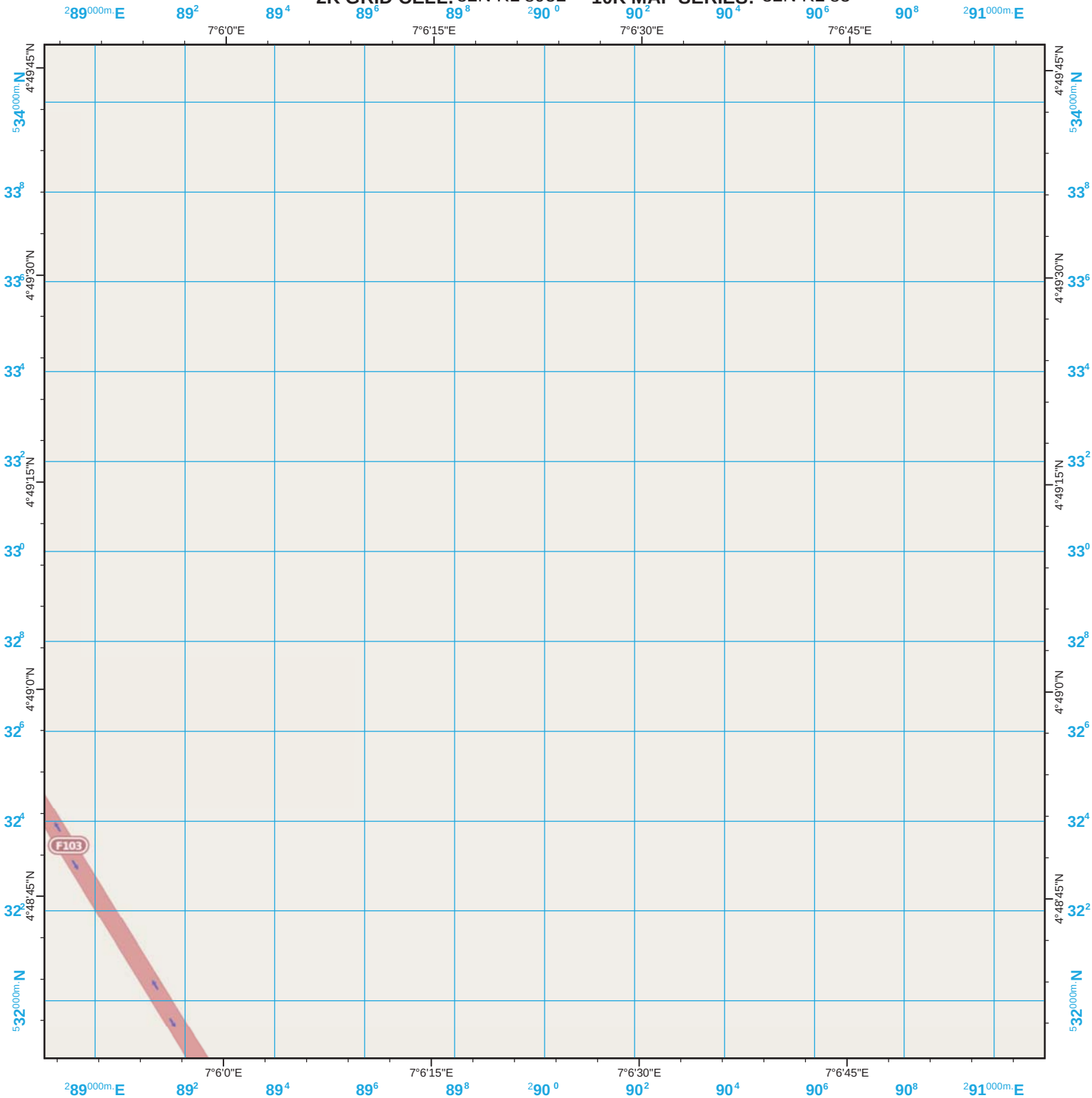


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8932 **10K MAP SERIES:** 32N KL 83



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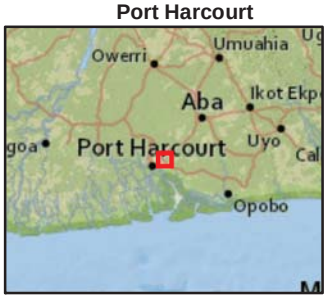

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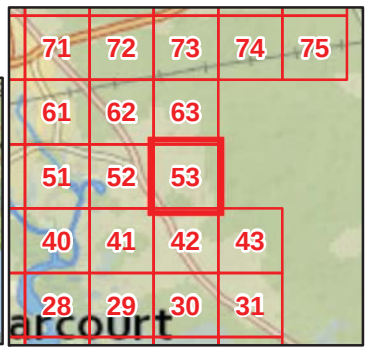

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100,000-m Square Grid: KL
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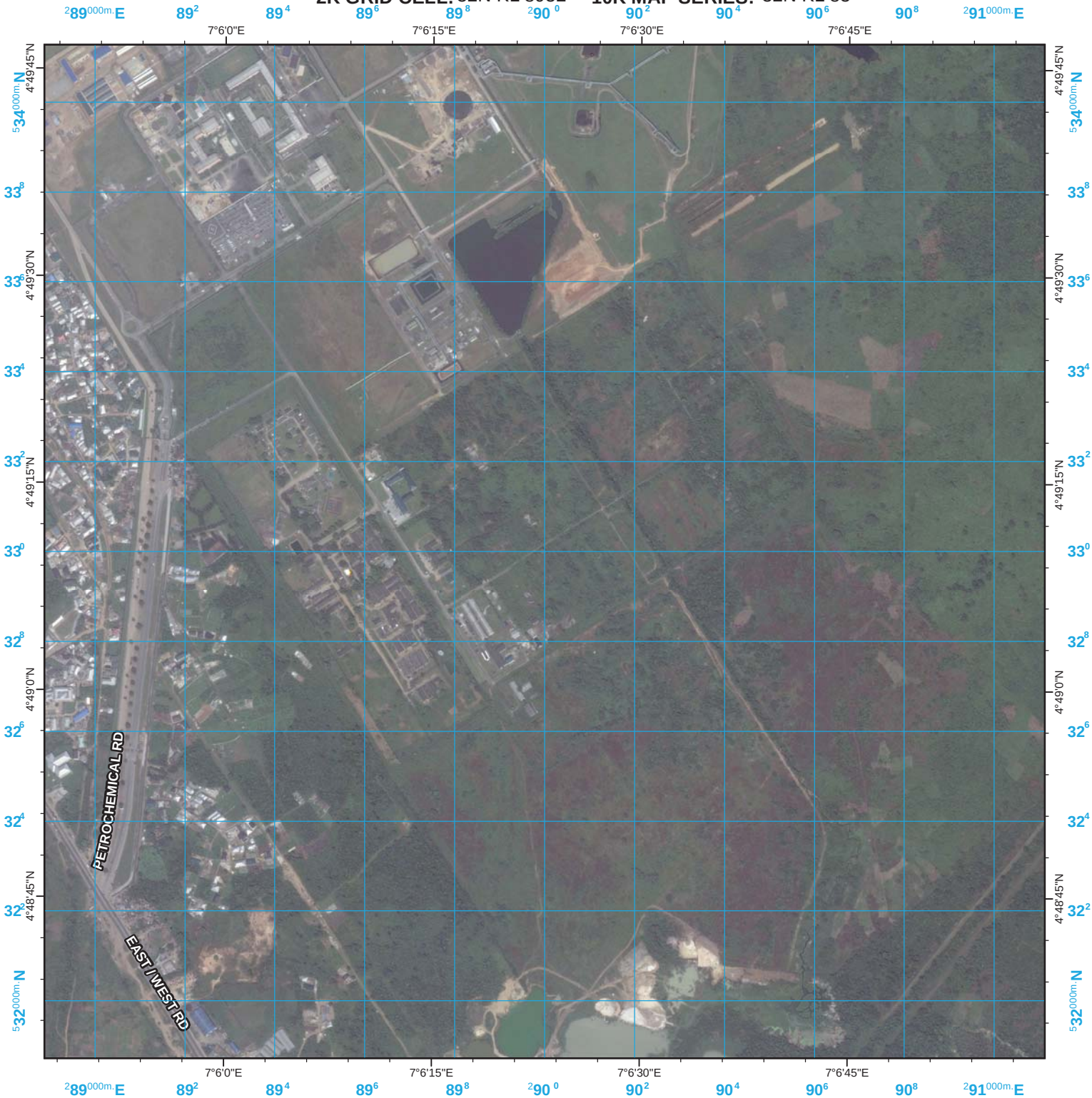
2K GRID CELL: 32N KL 8932 **10K MAP SERIES:** 32N KL 83



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Grid Zone Designation: 32N
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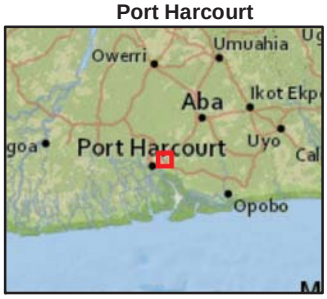

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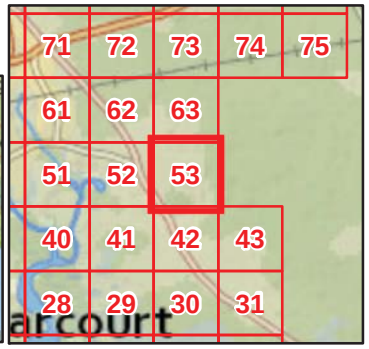

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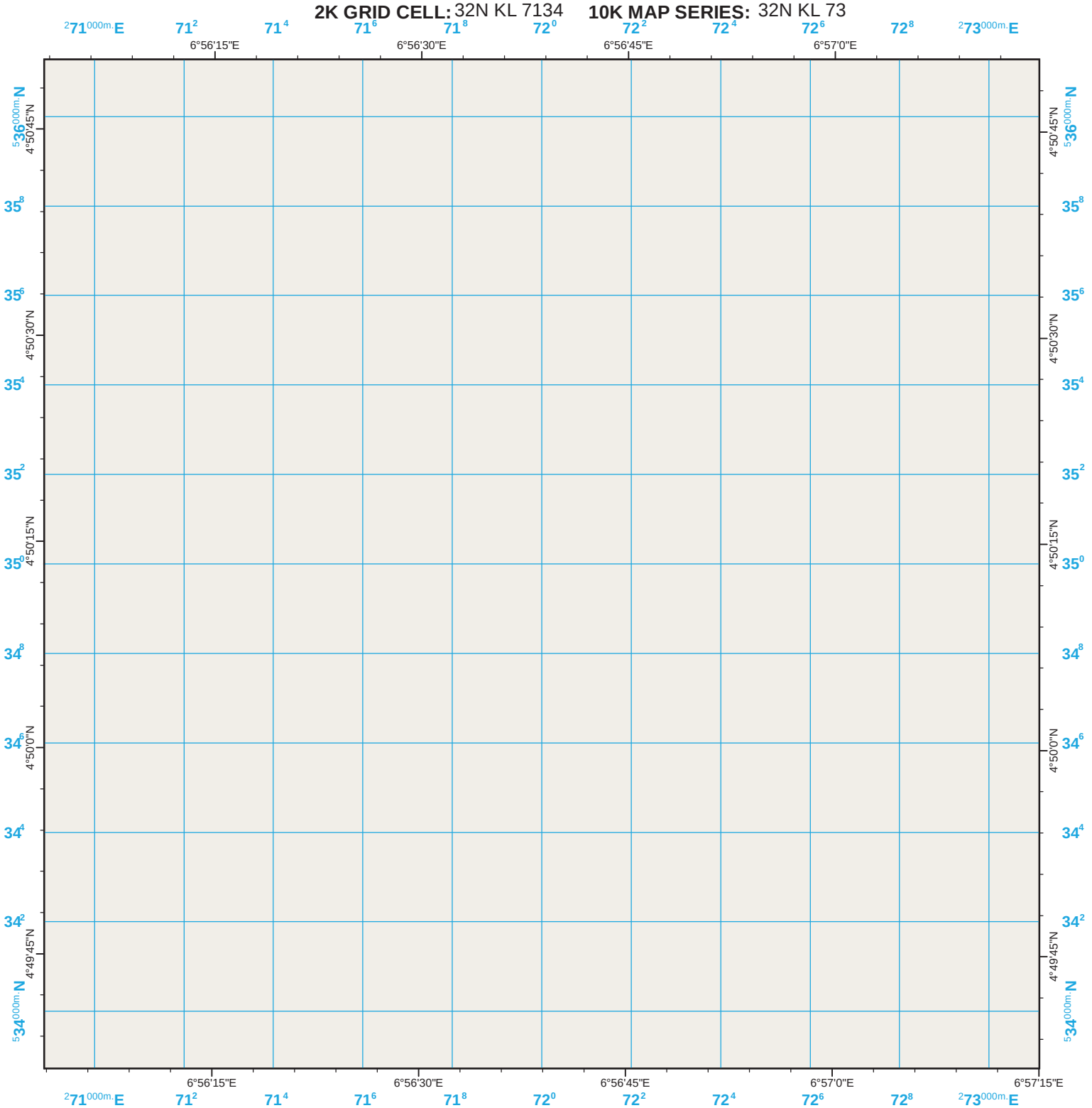
2K GRID CELL: 32N KL 7134 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
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1:12,000 Scale

0 50 100 200 300 400 500 Meters

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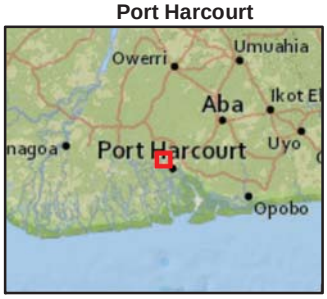

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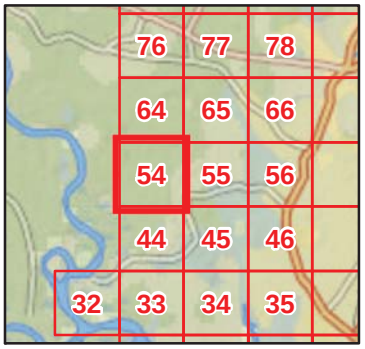

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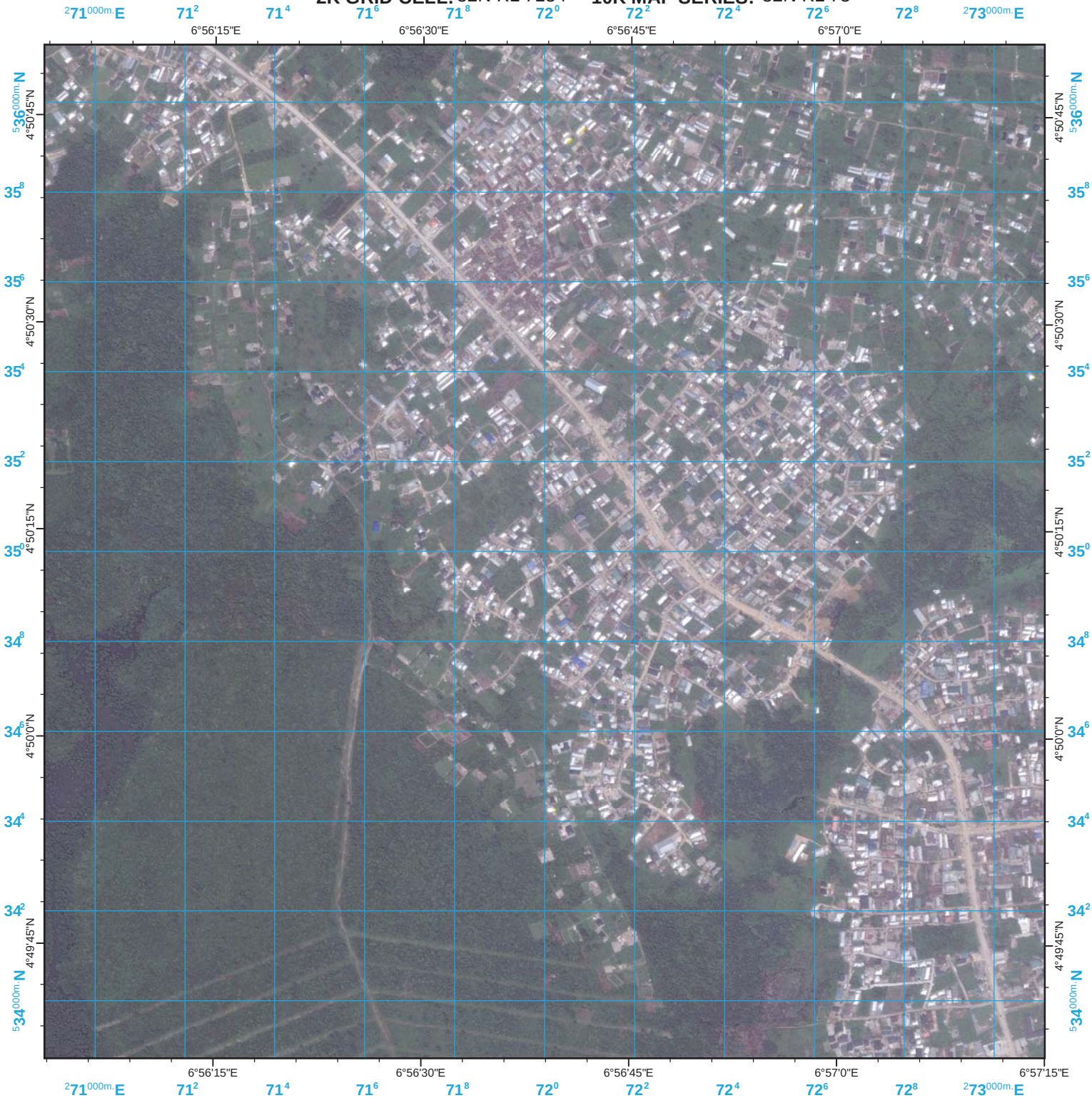
2K GRID CELL: 32N KL 7134 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N

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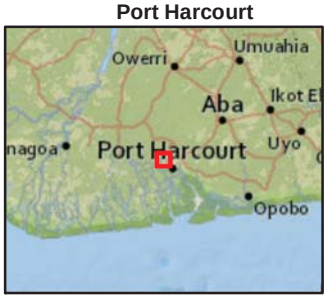

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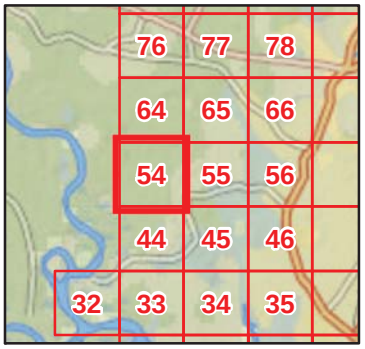

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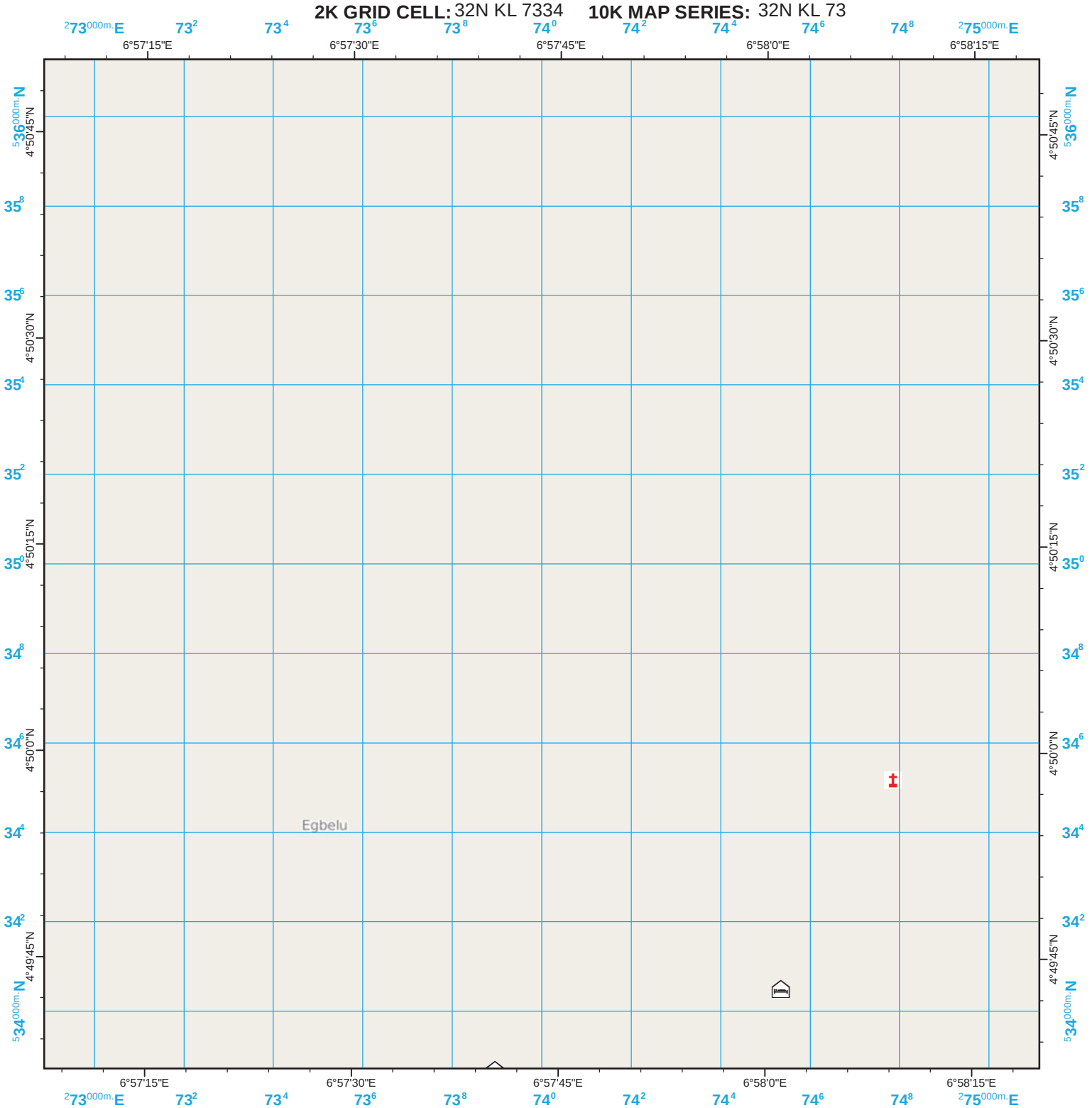
2K GRID CELL: 32N KL 7334 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid: KL
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0 50 100 200 300 400 500 Meters

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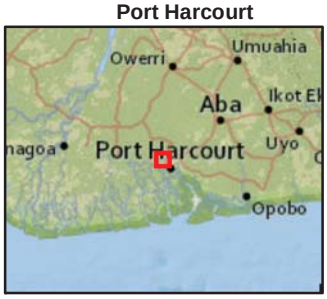

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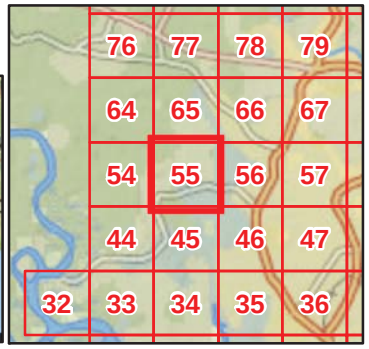

PORT HARCOURT, NIGERIA

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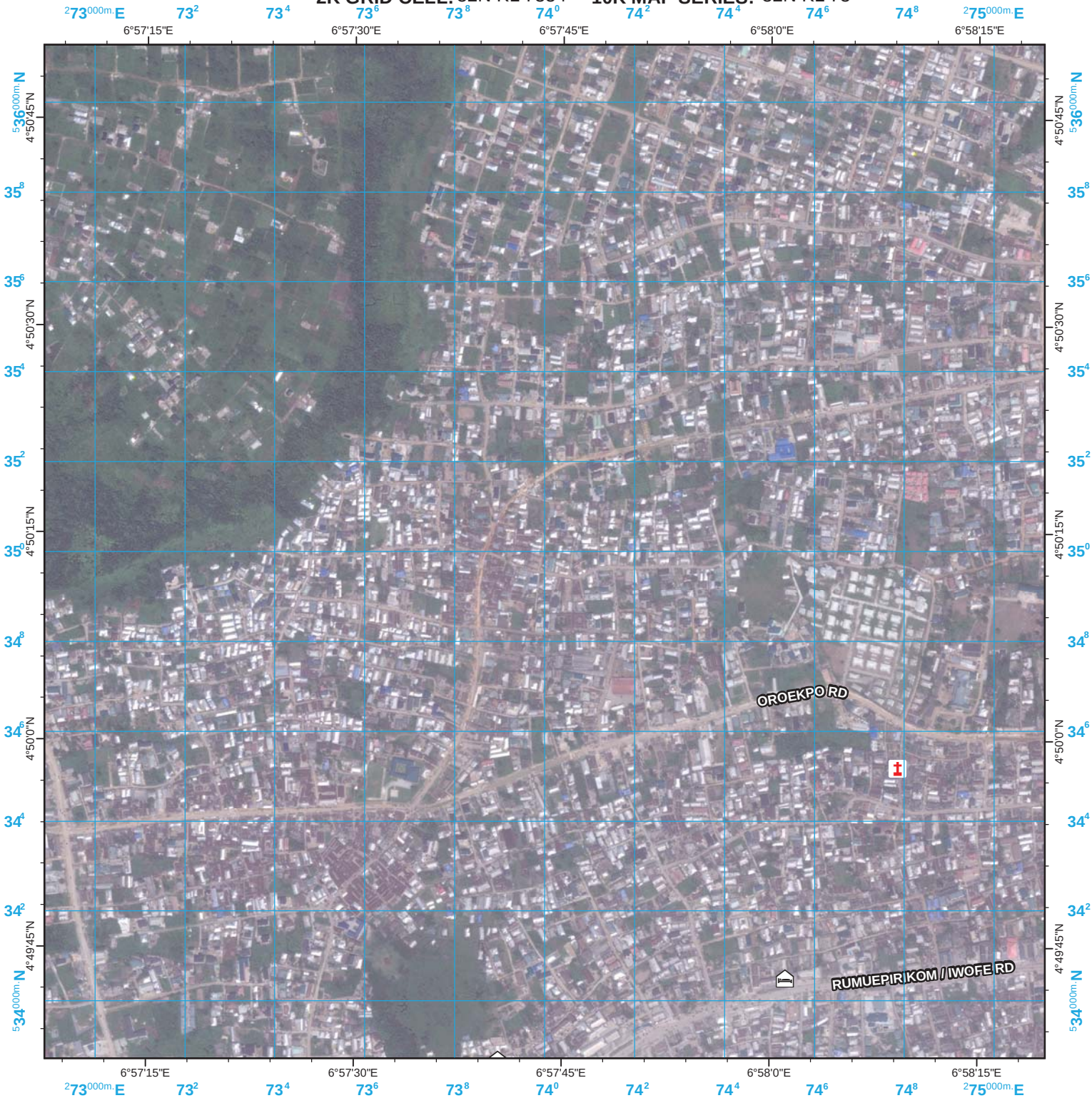

2000-m cell, 200-m grid, MGRS
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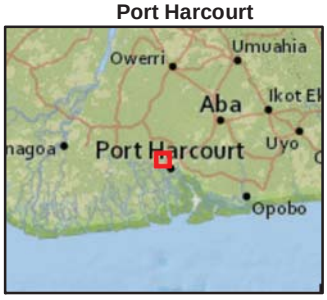

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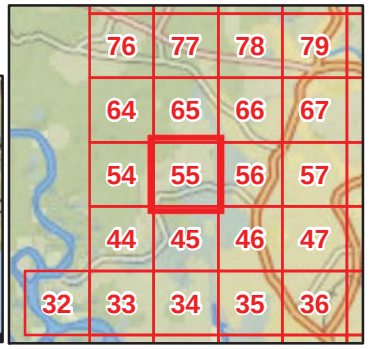

PORT HARCOURT, NIGERIA

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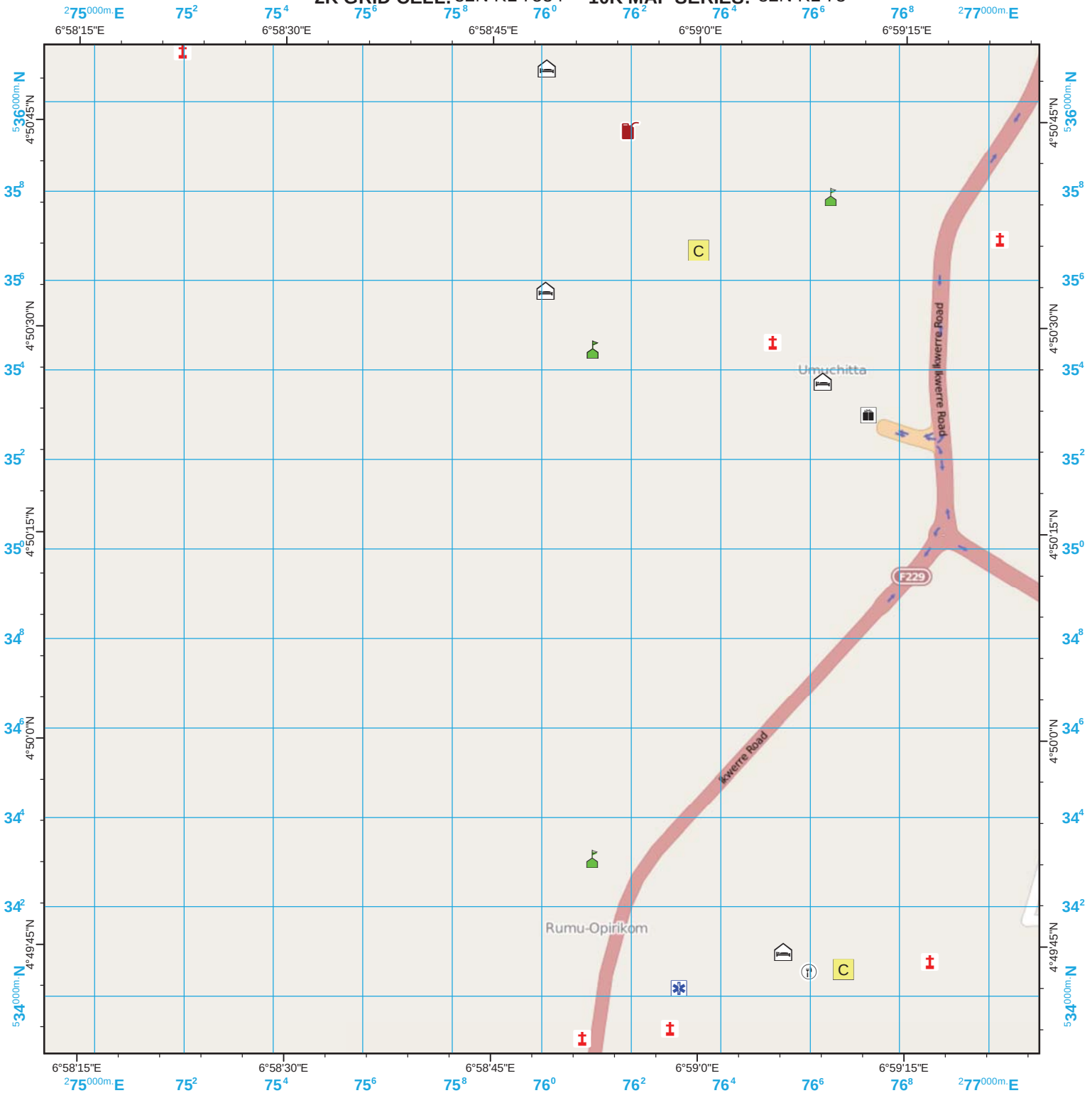

2000-m cell, 200-m grid, MGRS
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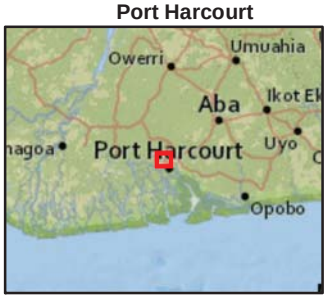

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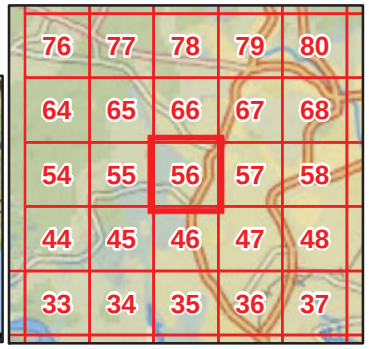
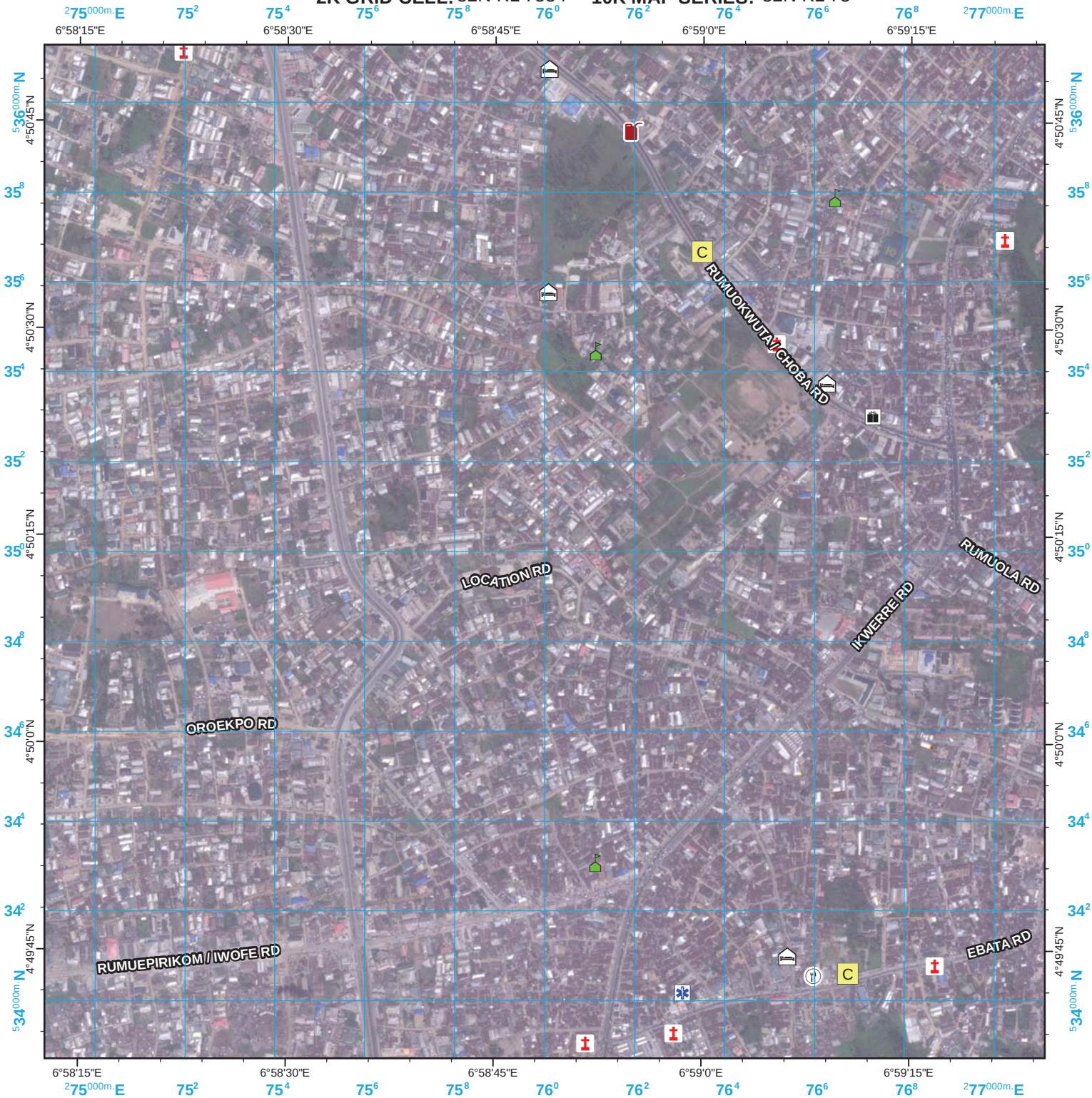


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7534 **10K MAP SERIES:** 32N KL 73



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- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
- HOTEL
- MEDICAL SERVICES
- MOSQUE
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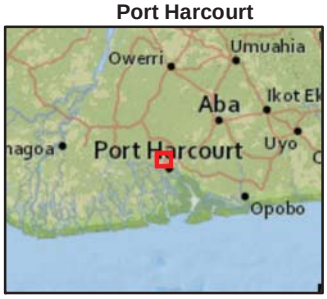
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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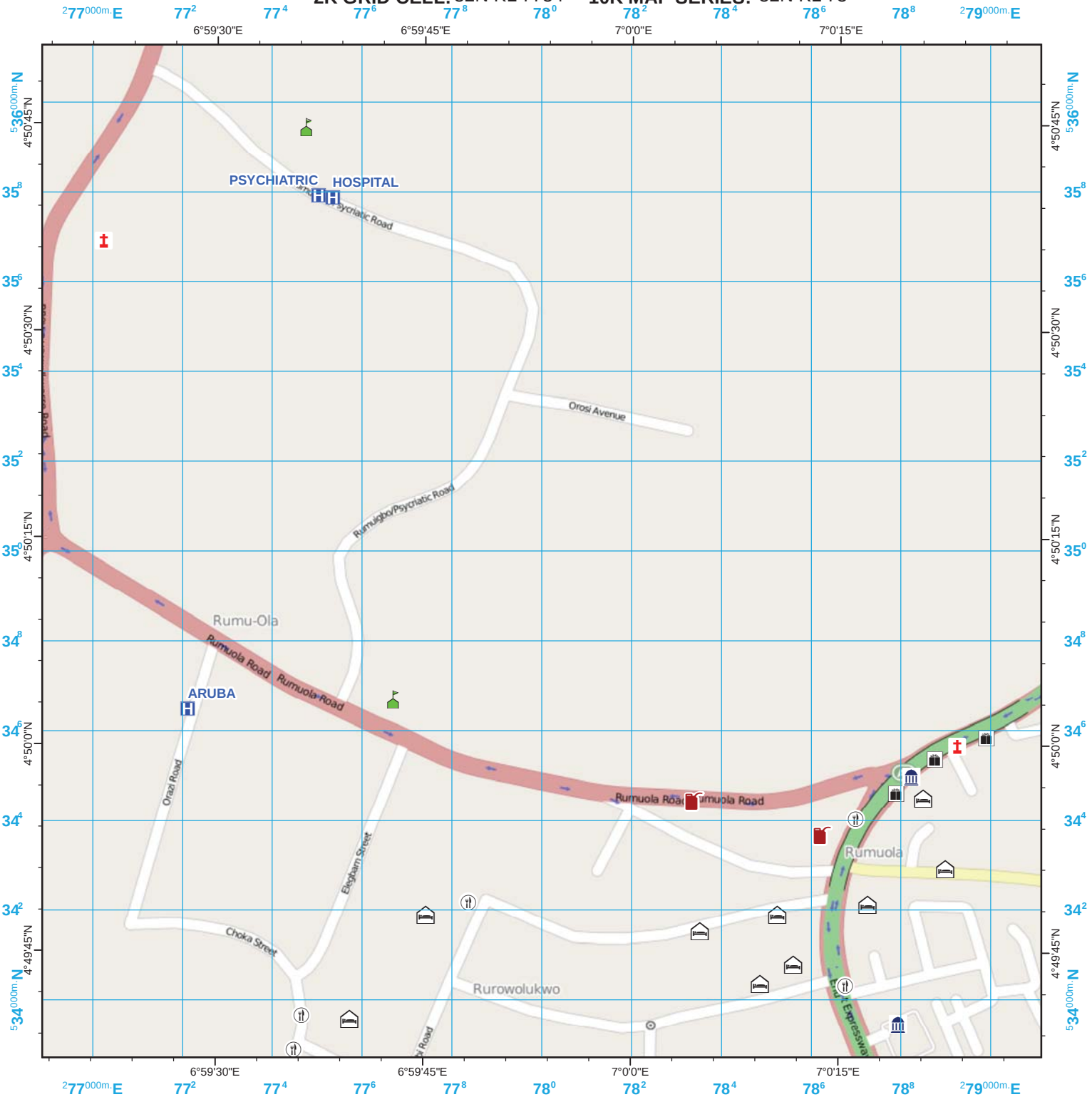
76	77	78	79	80
64	65	66	67	68
54	55	**56**	57	58
44	45	46	47	48
33	34	35	36	37

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7734 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
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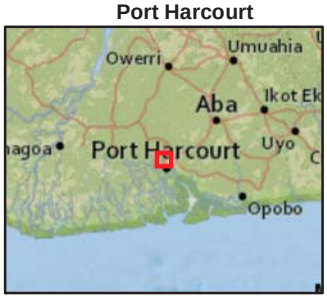
Port Harcourt



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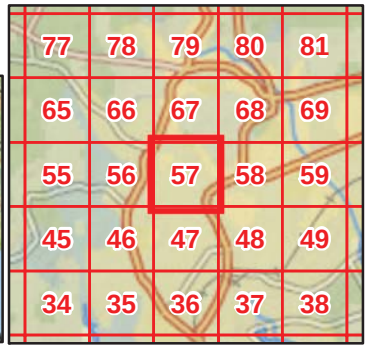
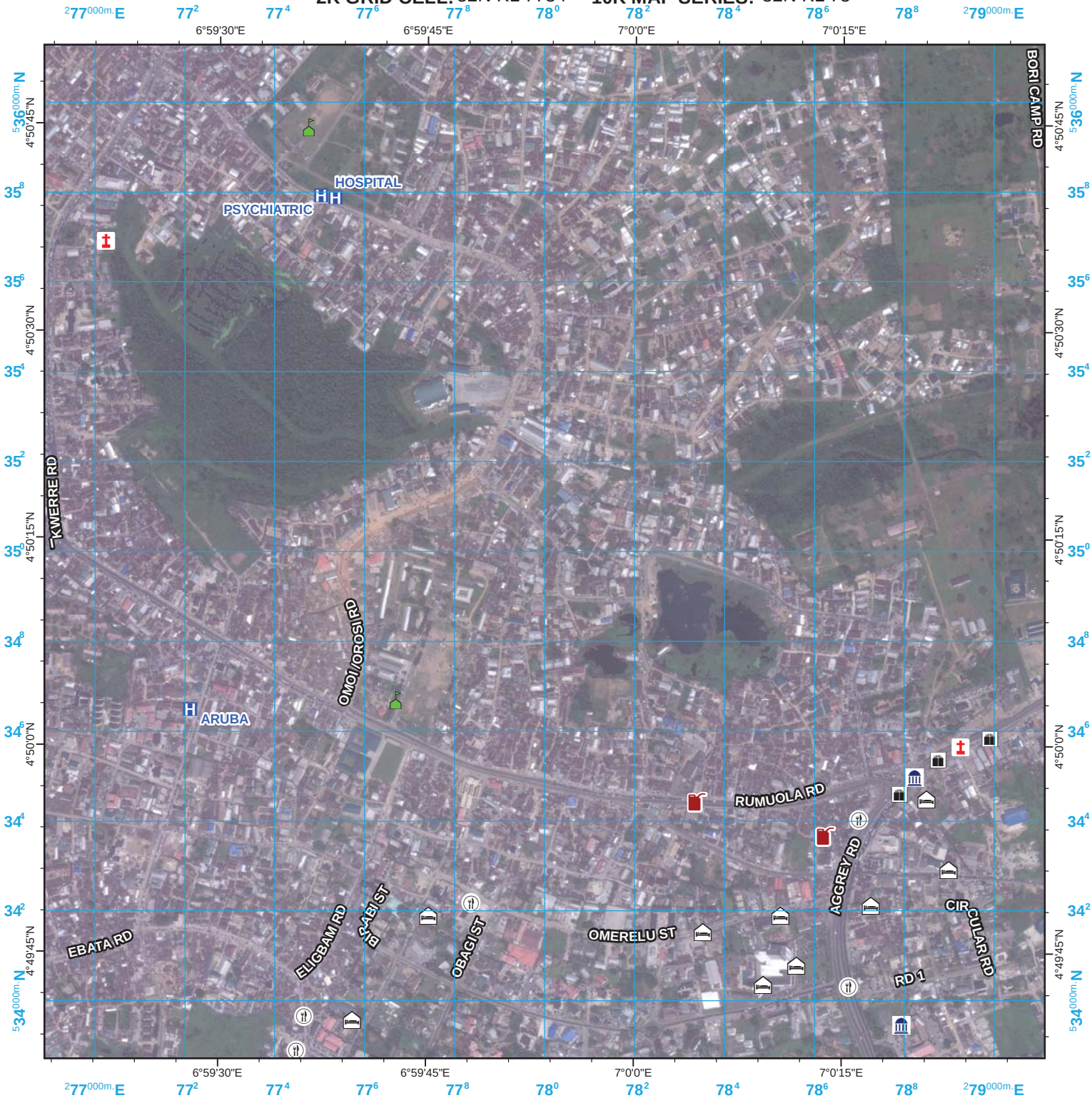


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7734 **10K MAP SERIES:** 32N KL 73



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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
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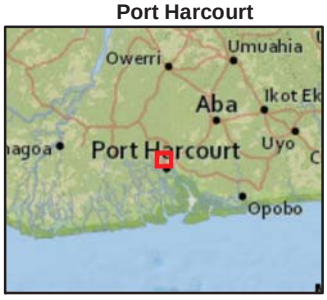
Port Harcourt



INDEX MAP

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77	78	79	80	81
65	66	67	68	69
55	56	57	58	59
45	46	47	48	49
34	35	36	37	38

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7934 **10K MAP SERIES:** 32N KL 73

2000-m cell, 200-m grid, MGRS
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
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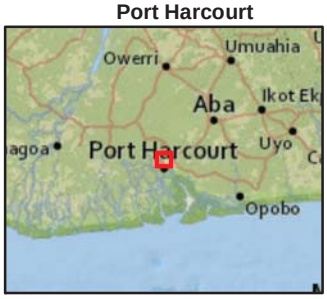
Port Harcourt



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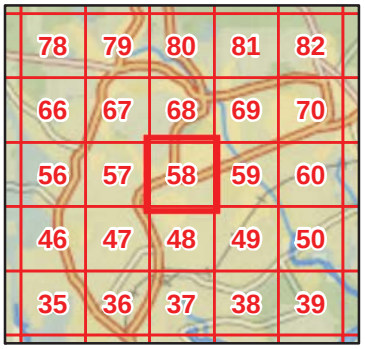
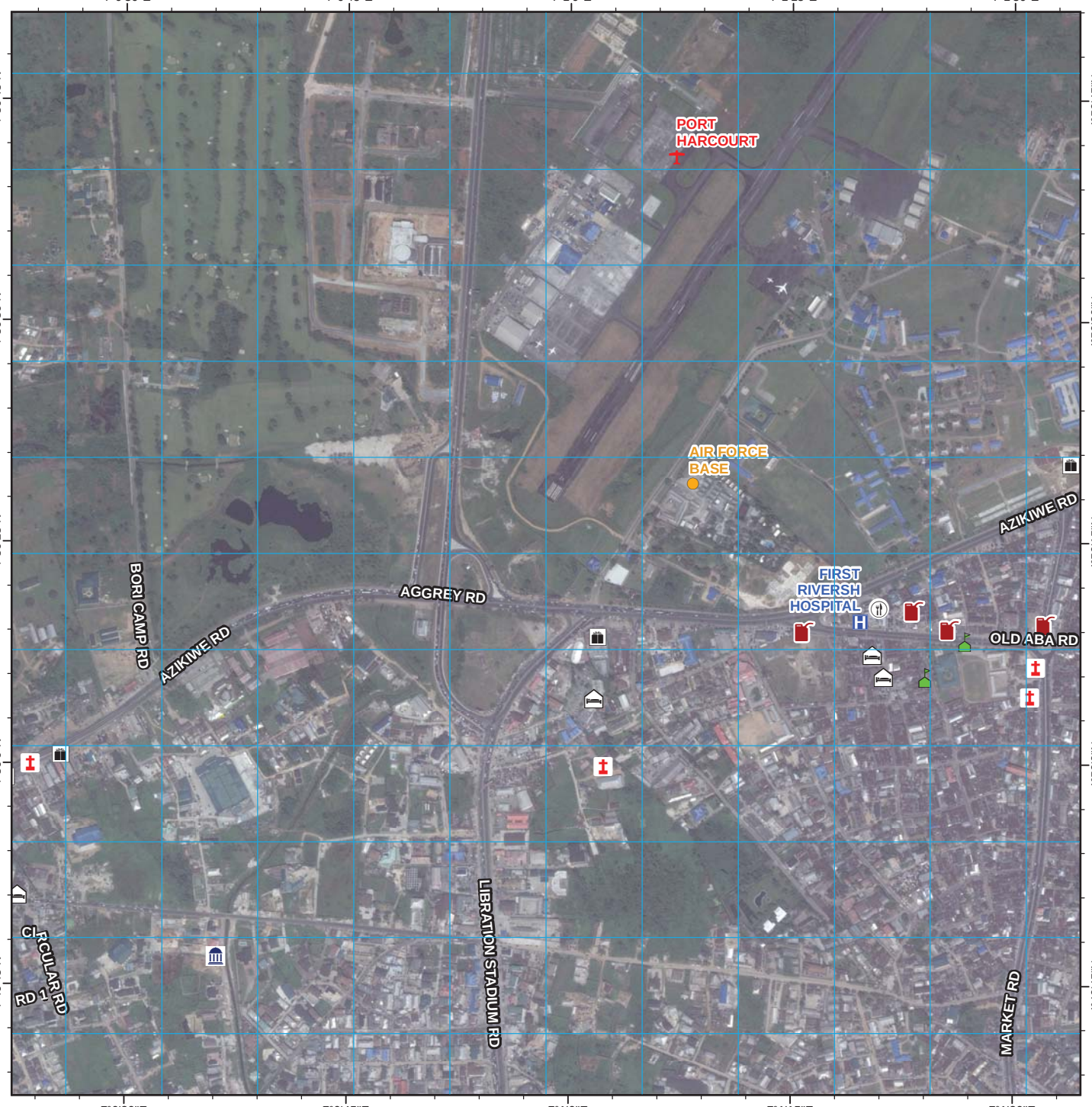


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7934 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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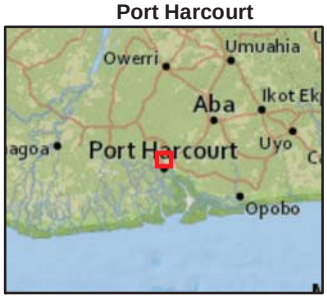
Port Harcourt



INDEX MAP

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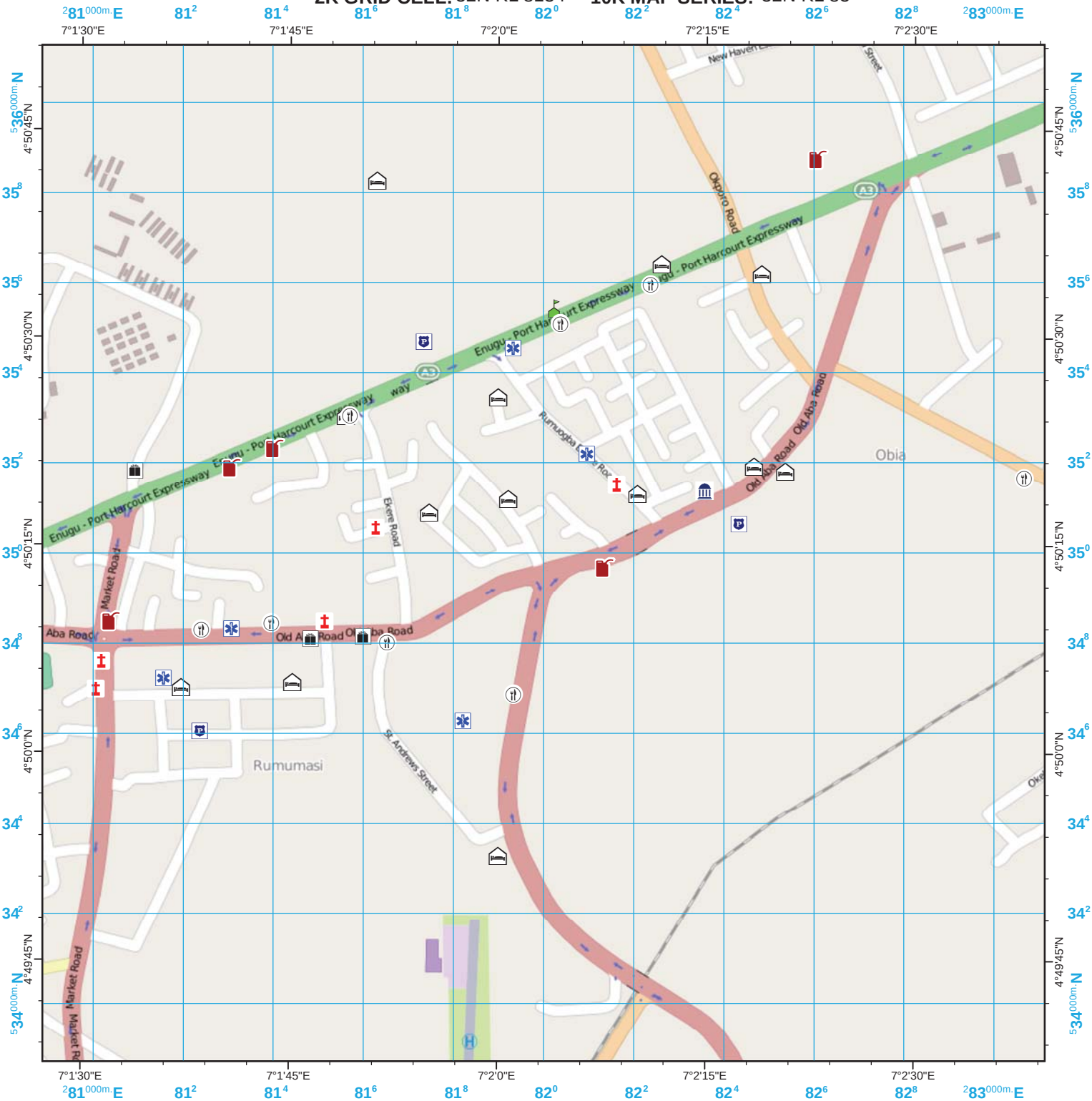
78	79	80	81	82
66	67	68	69	70
56	57	58	59	60
46	47	48	49	50
35	36	37	38	39

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8134 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
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- COMMUNITY CENTER
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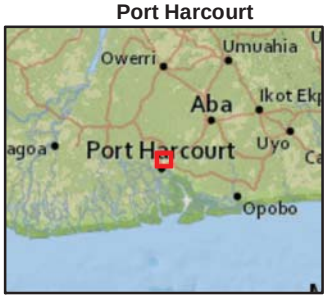
Port Harcourt



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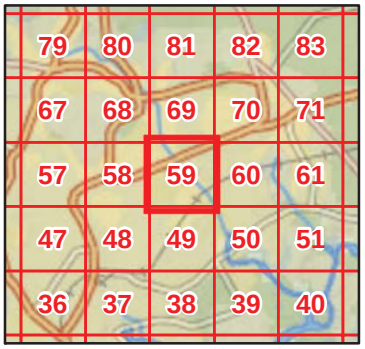
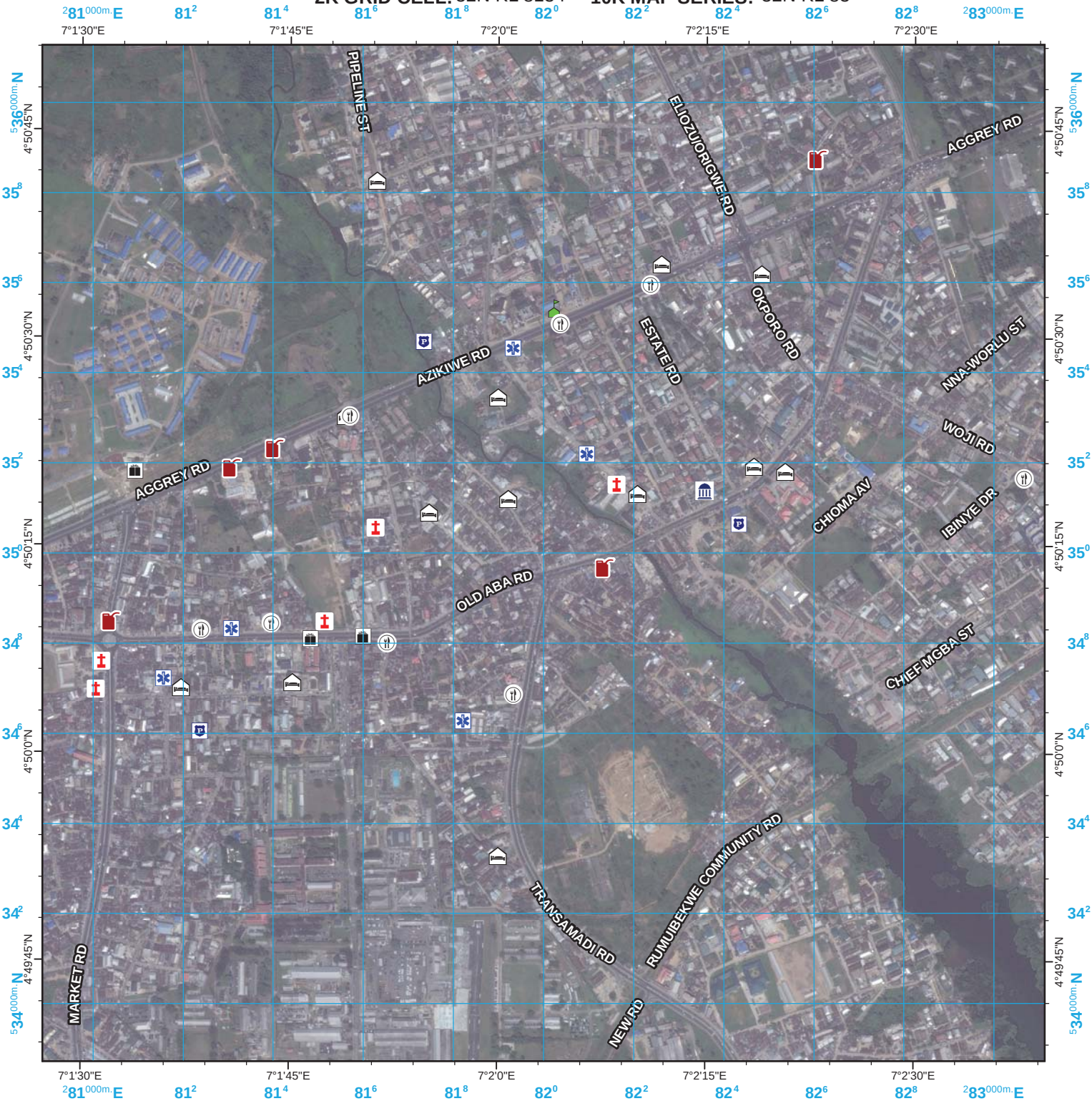


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8134 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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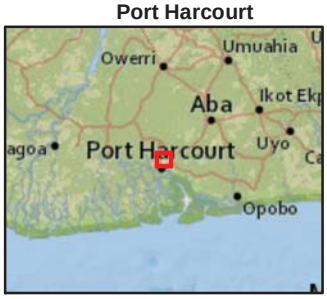
Port Harcourt



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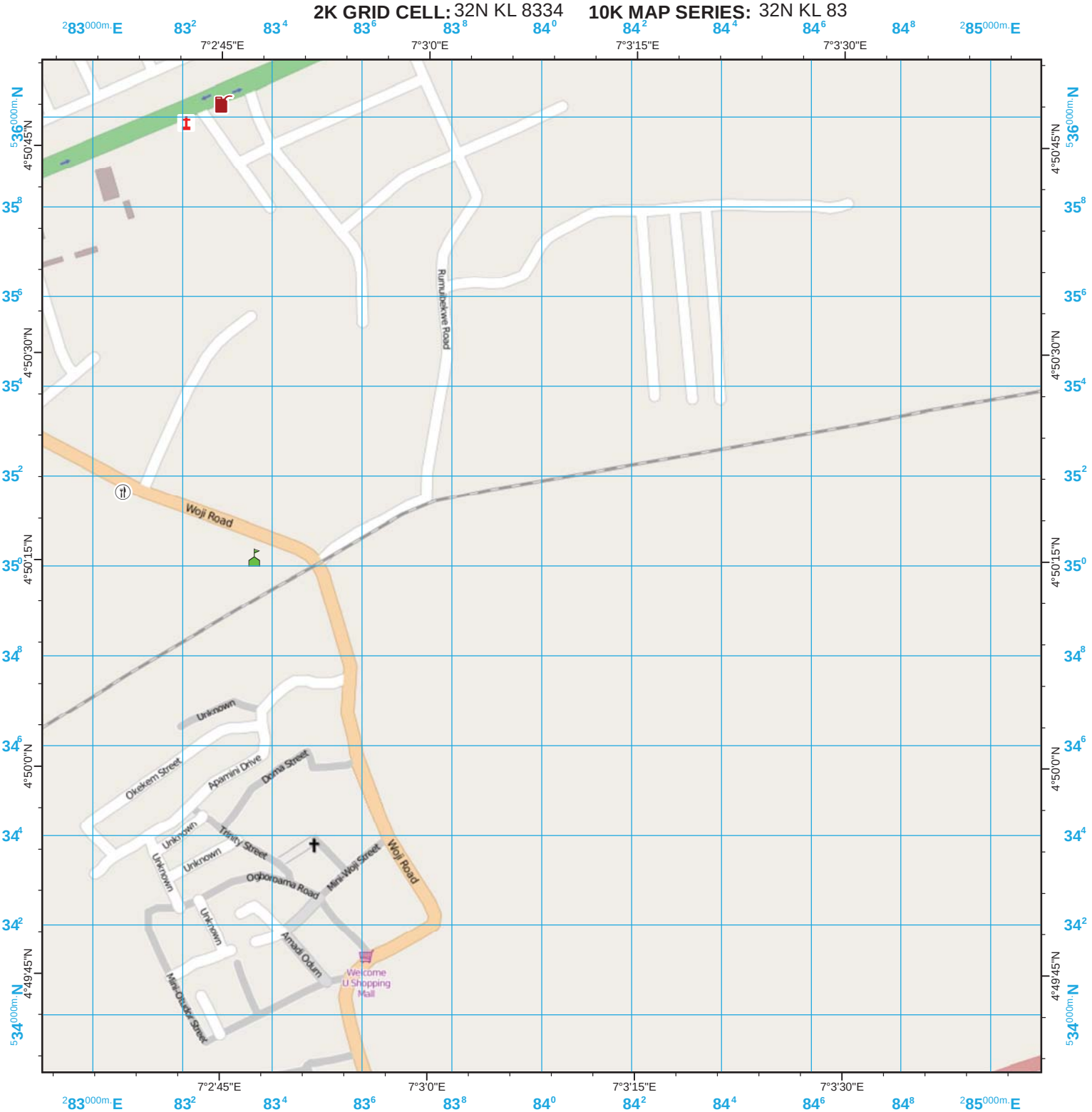
79	80	81	82	83
67	68	69	70	71
57	58	59	60	61
47	48	49	50	51
36	37	38	39	40

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8334 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- CINEMA
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- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
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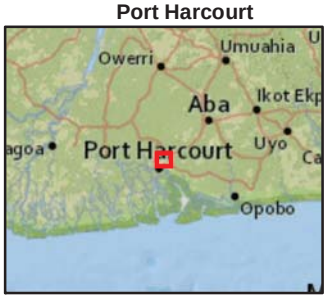
Port Harcourt



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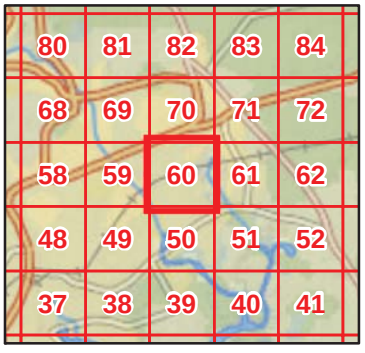

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8334 **10K MAP SERIES:** 32N KL 83

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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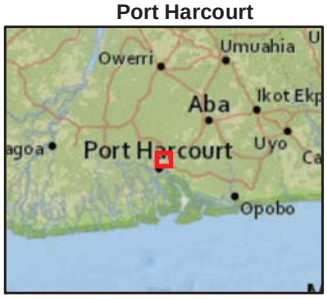
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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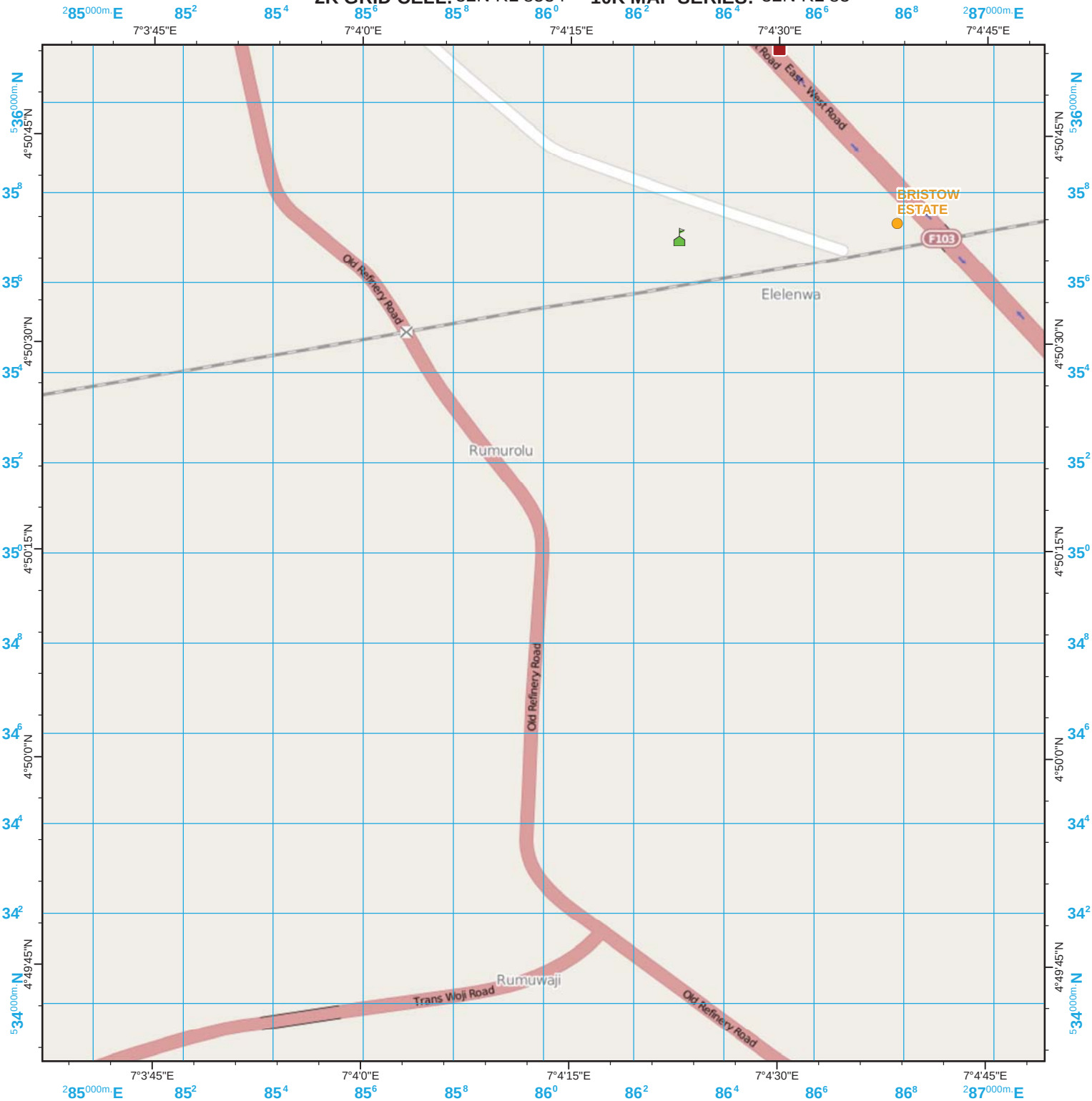
80	81	82	83	84
68	69	70	71	72
58	59	60	61	62
48	49	50	51	52
37	38	39	40	41

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8534 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
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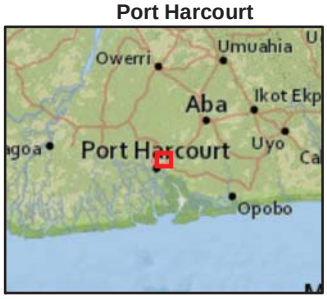
- DINING

Port Harcourt



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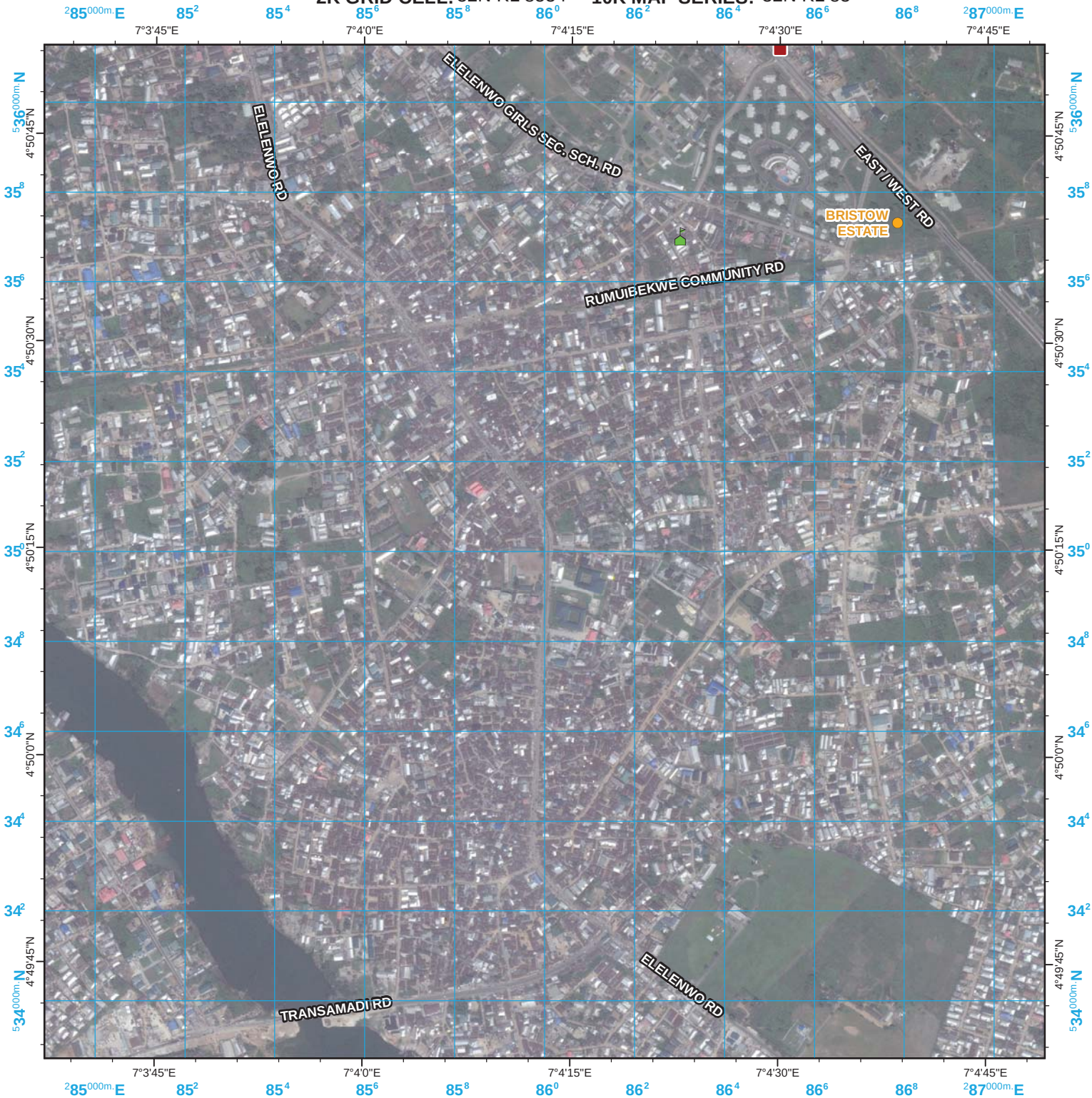
81	82	83	84	85
69	70	71	72	73
59	60	61	62	63
49	50	51	52	53
38	39	40	41	42

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8534 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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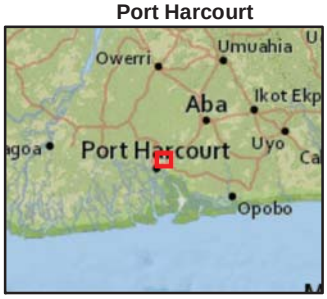


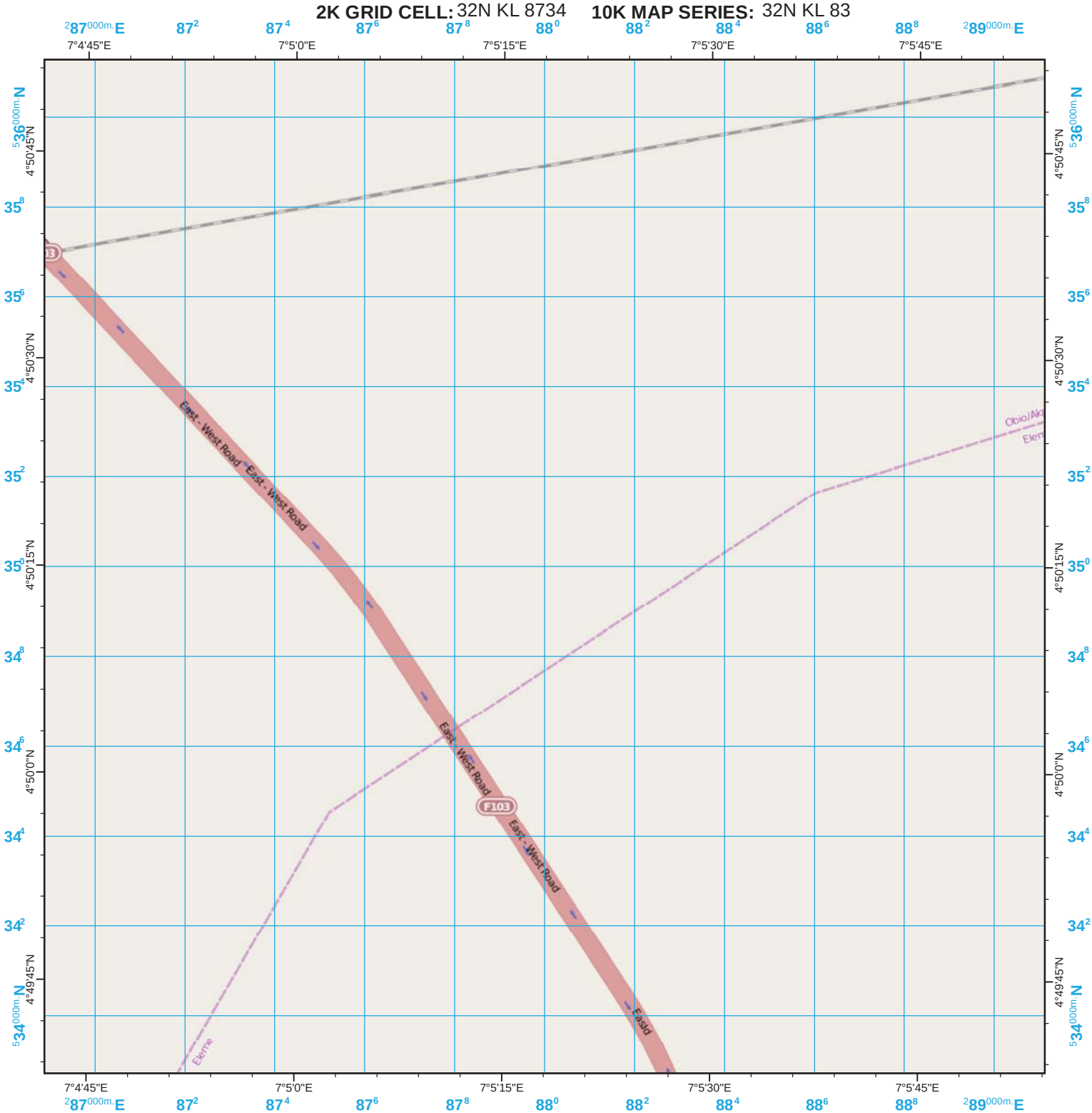
INDEX MAP

MAPSHEET 61 of 134

81	82	83	84	85
69	70	71	72	73
59	60	61	62	63
49	50	51	52	53
38	39	40	41	42

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8734 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
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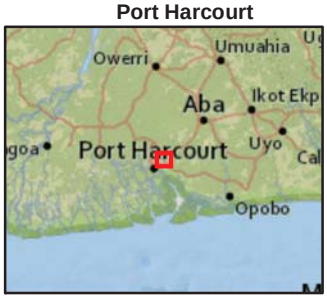
Port Harcourt



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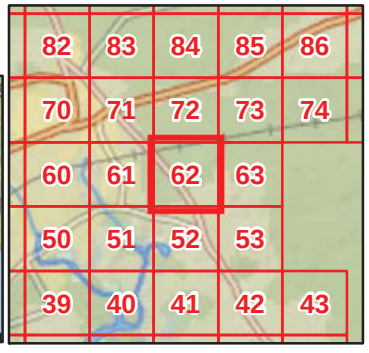

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8734 **10K MAP SERIES:** 32N KL 83

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100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
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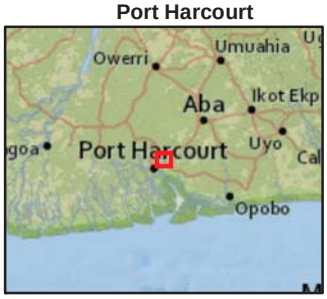
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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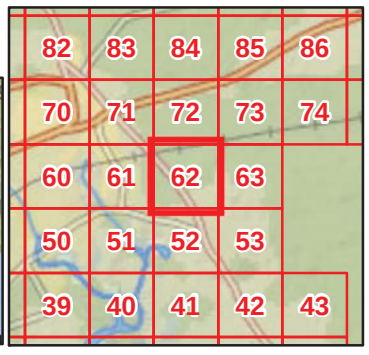
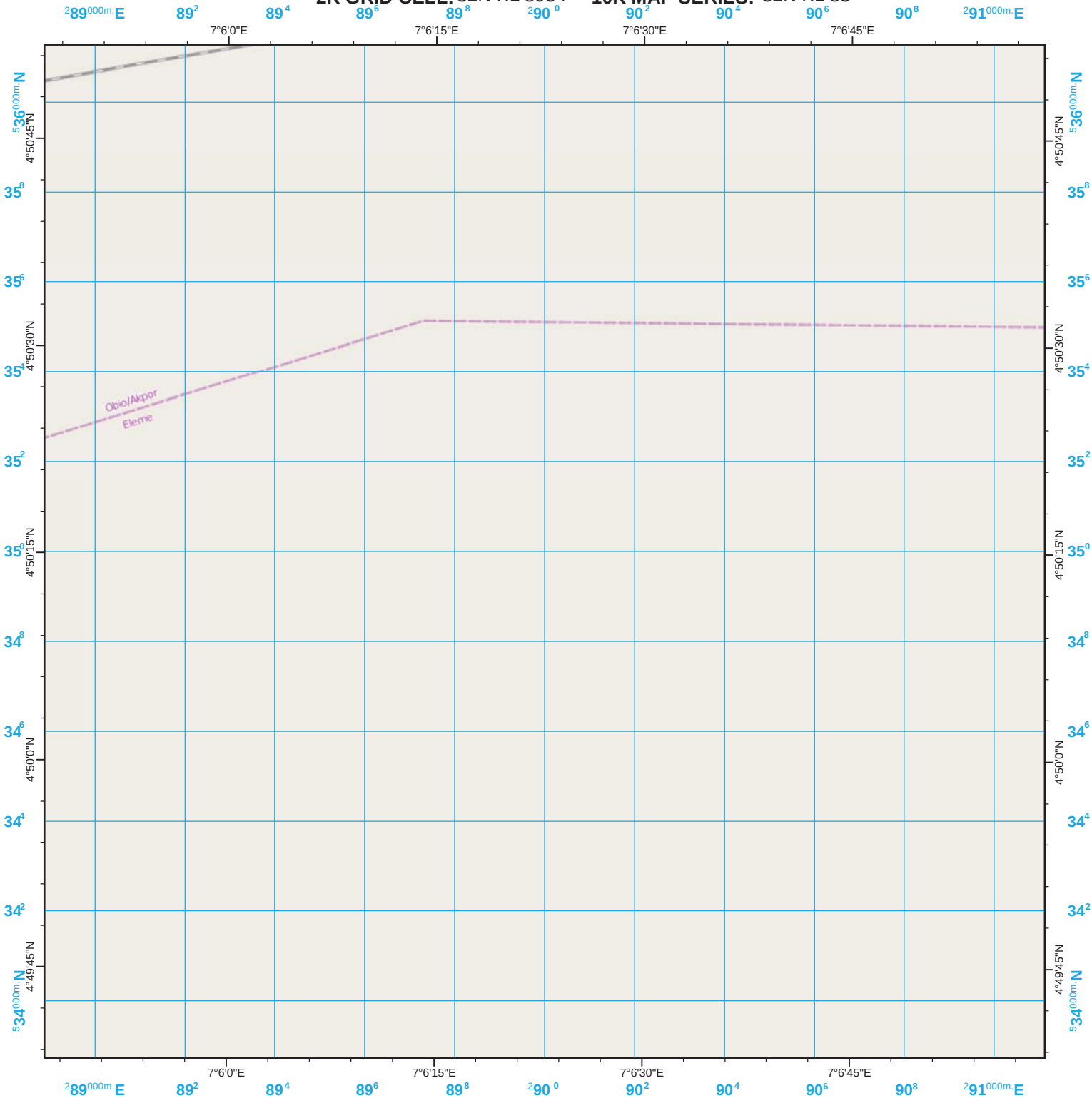


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8934 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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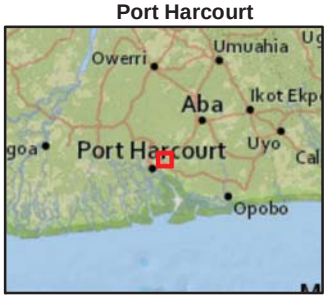
1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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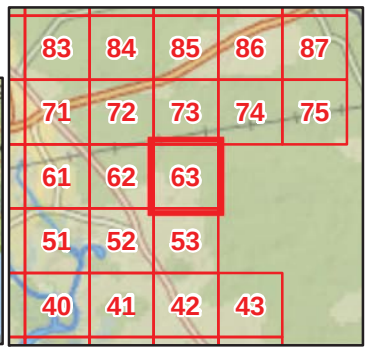

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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- BANK
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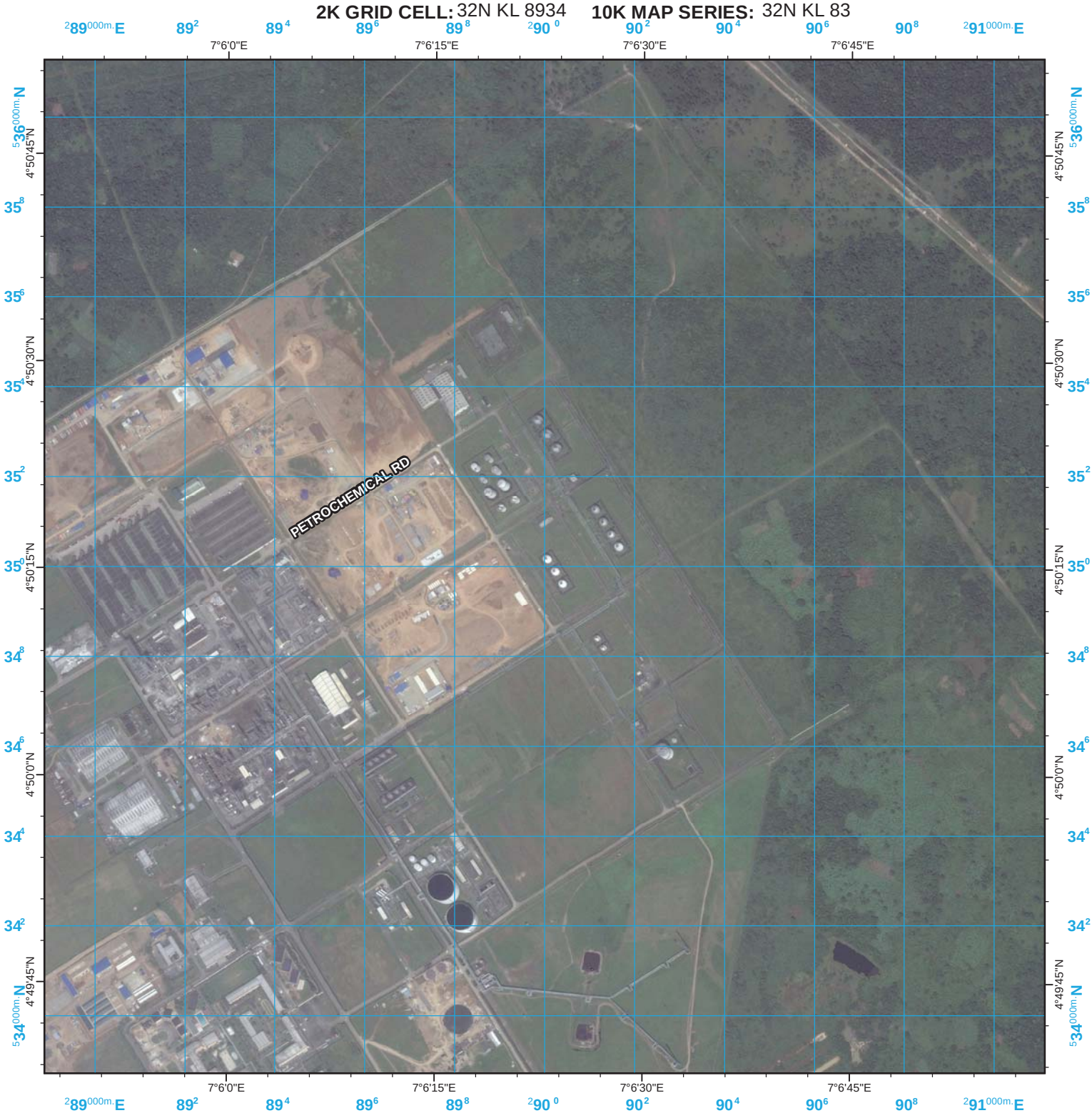
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8934 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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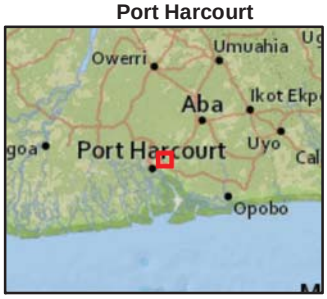
Port Harcourt



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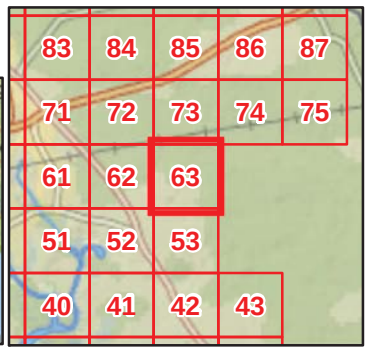
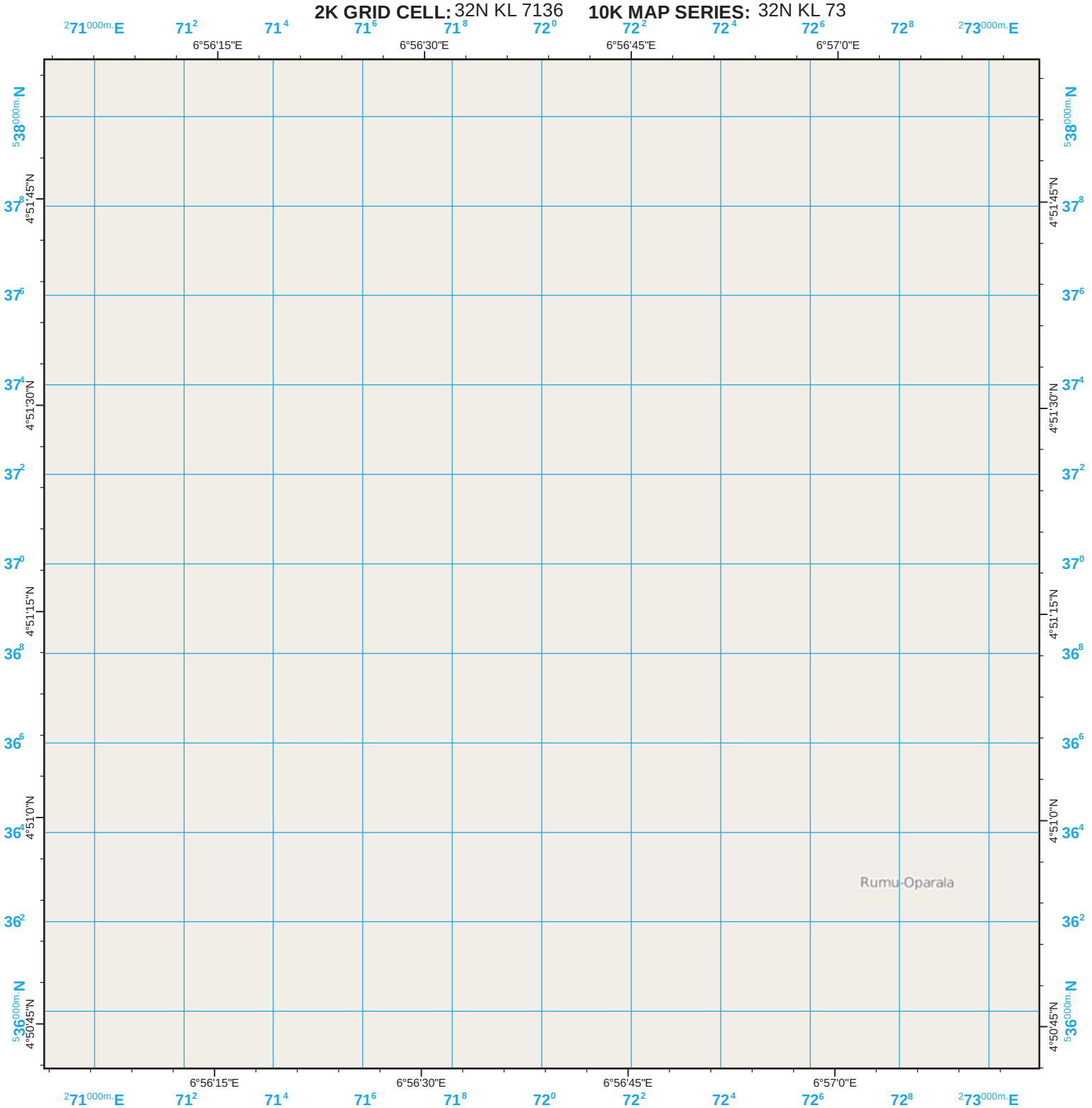


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7136 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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100,000-m Square Grid: KL
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0 50 100 200 300 400 500 Meters

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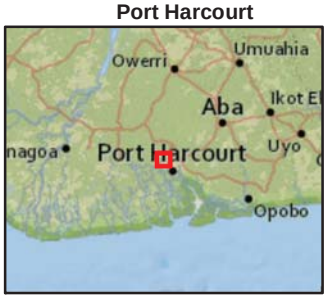
Port Harcourt



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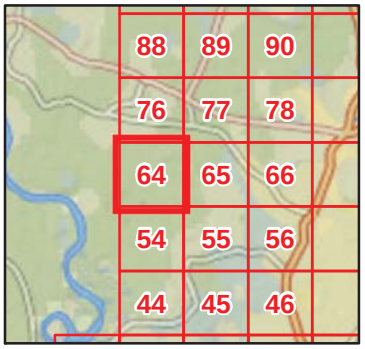
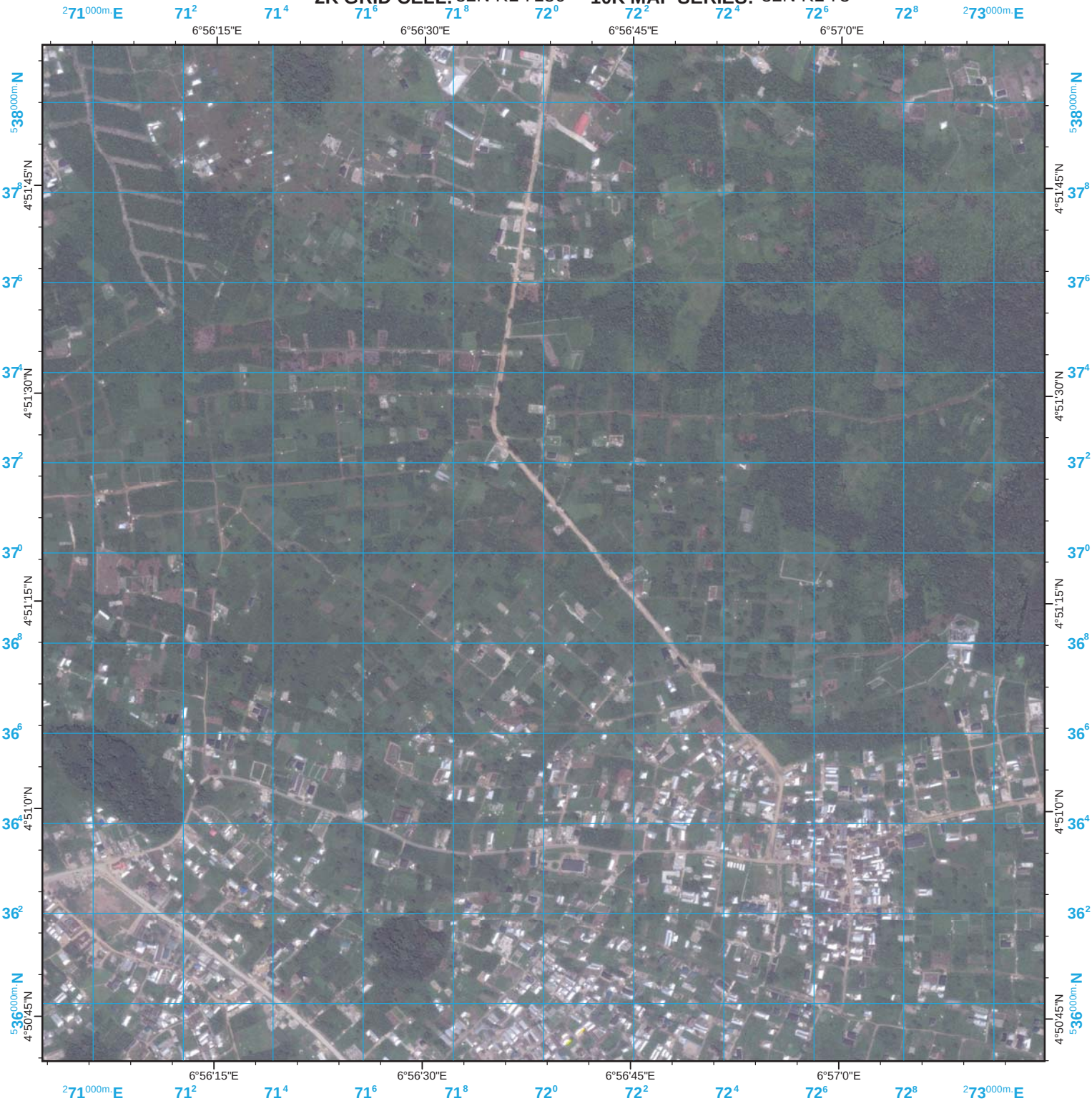


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7136 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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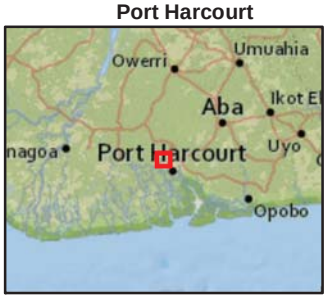

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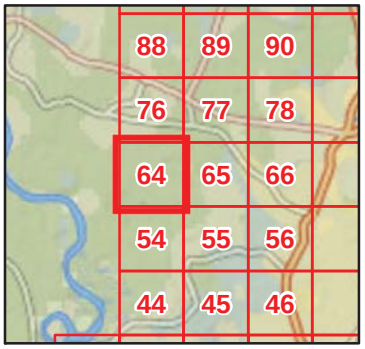
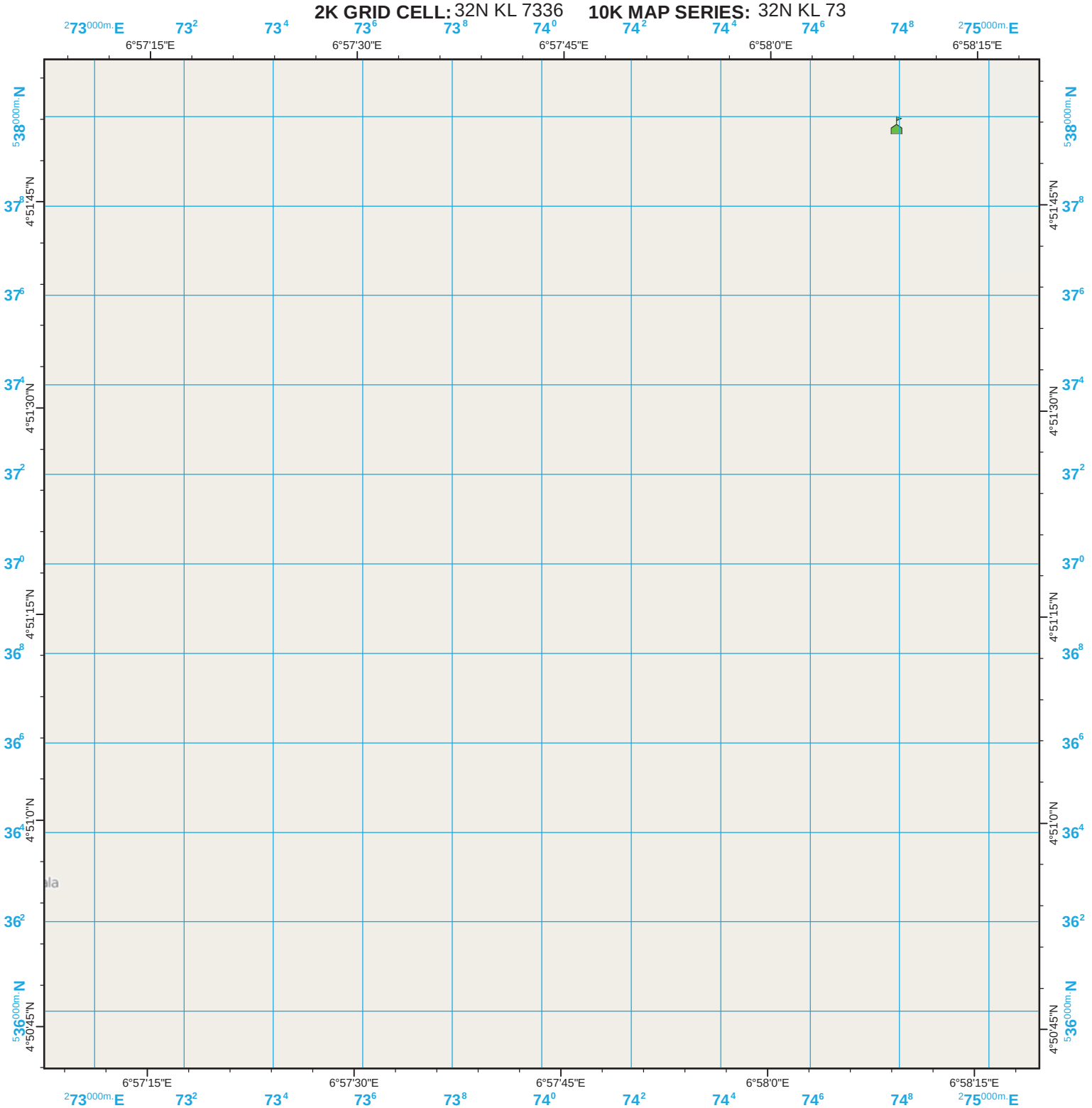


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7336 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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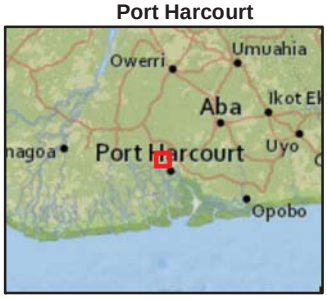
Port Harcourt



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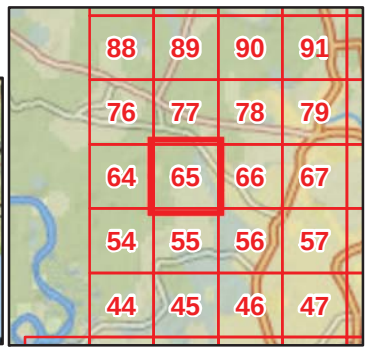
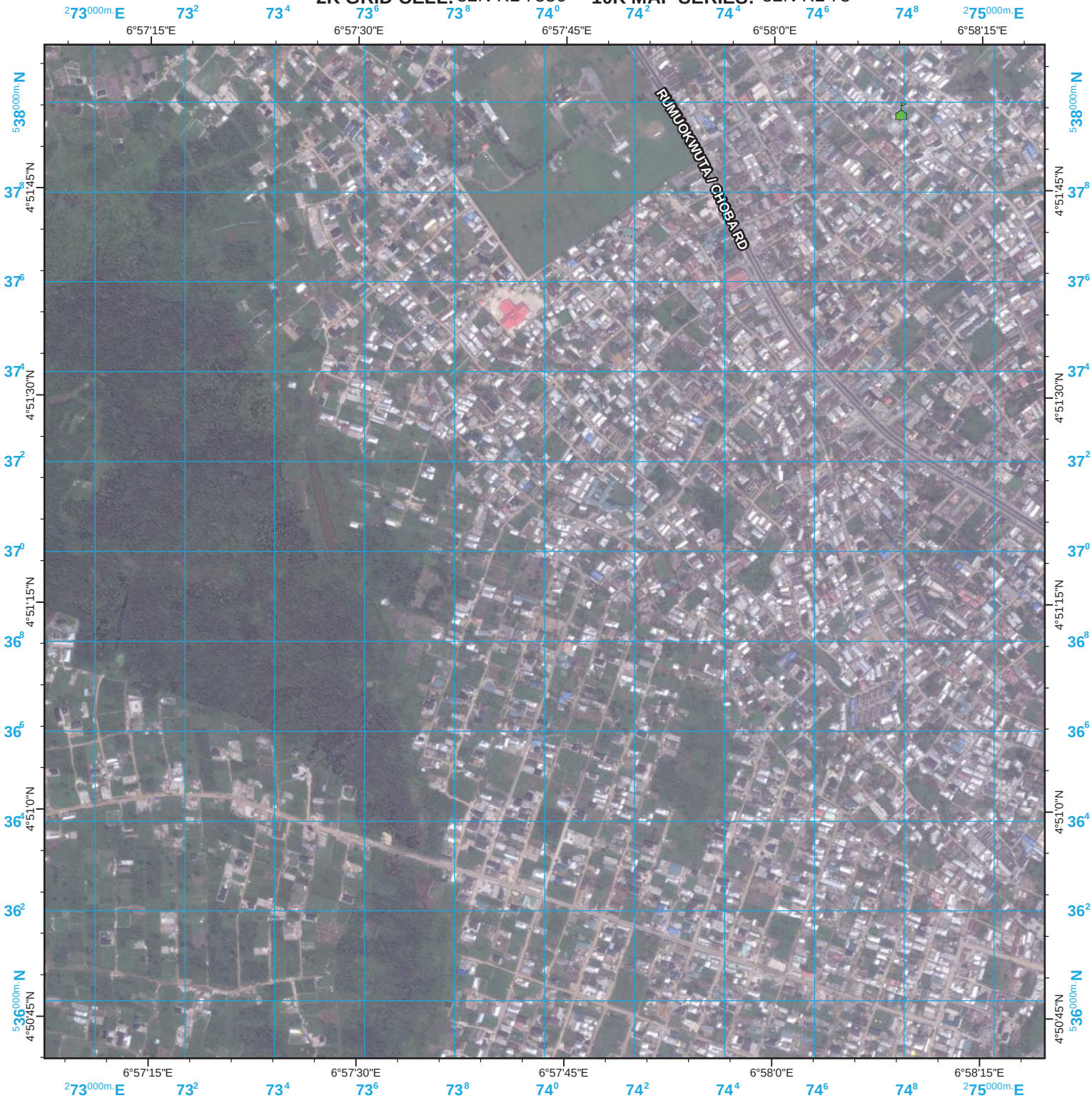


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7336 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
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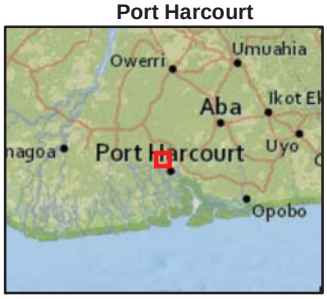
Port Harcourt



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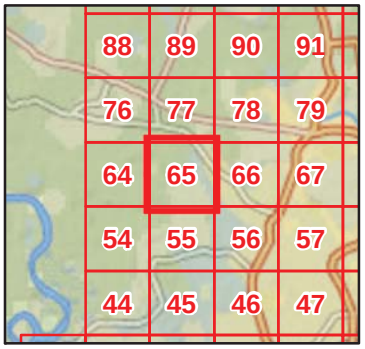
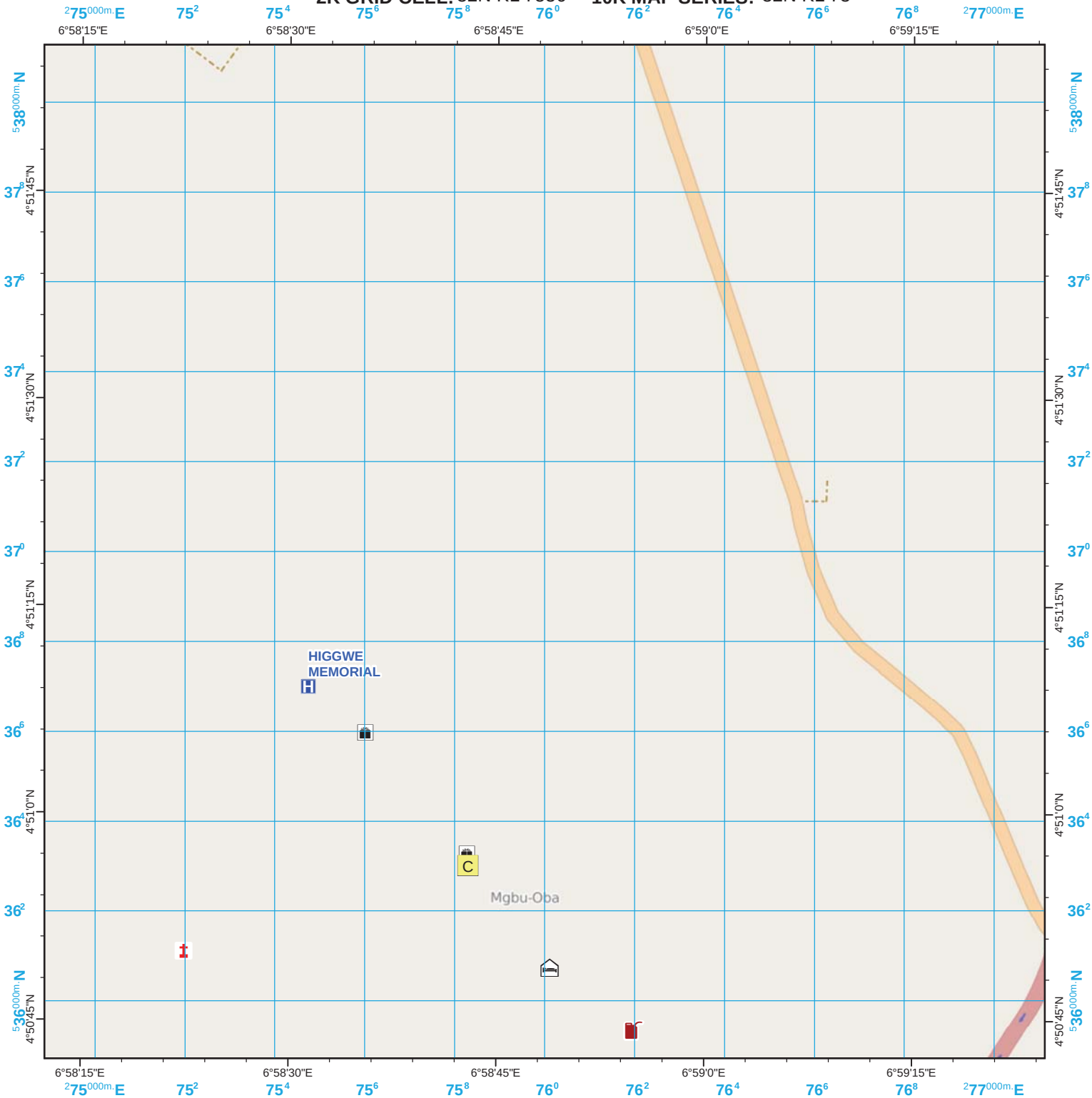


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7536 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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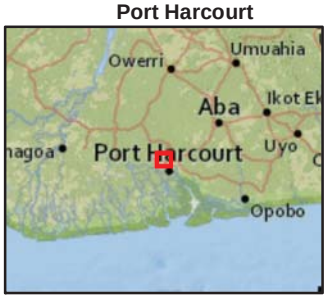
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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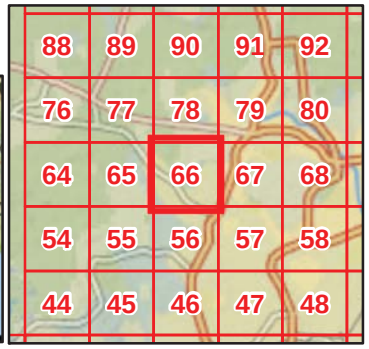

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
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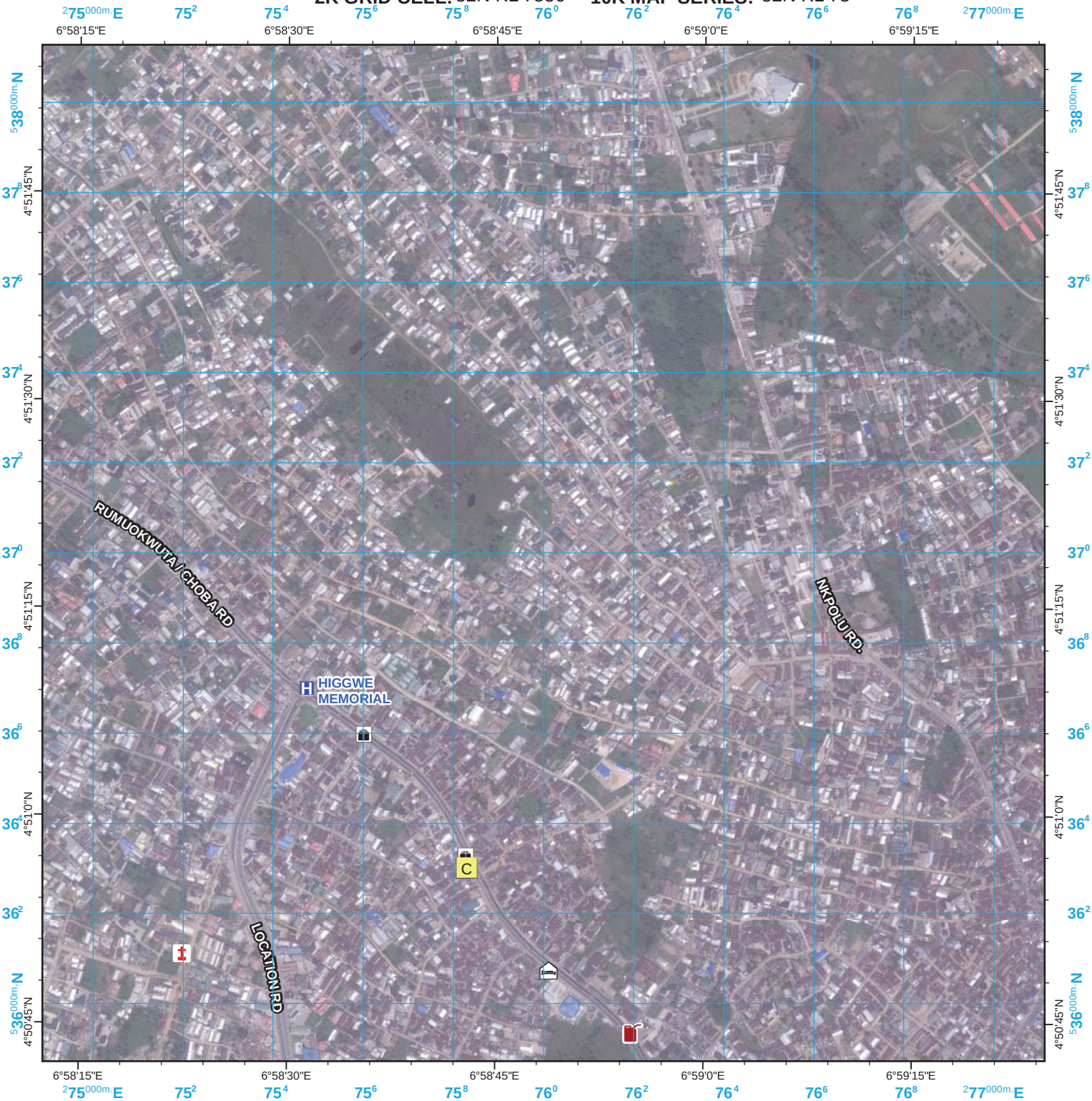
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7536 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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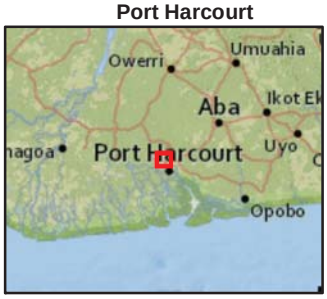

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88	89	90	91	92
76	77	78	79	80
64	65	**66**	67	68
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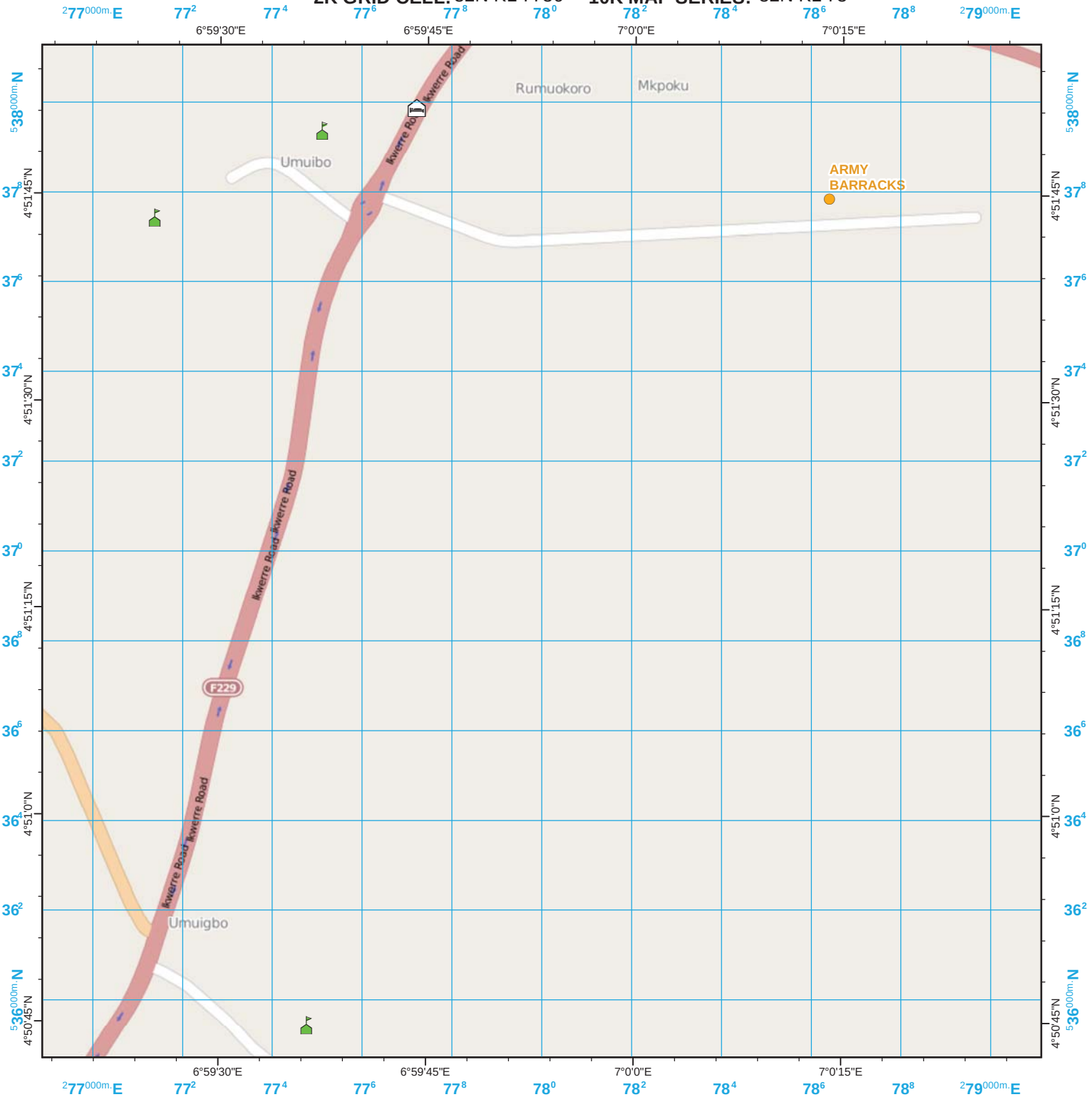
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7736 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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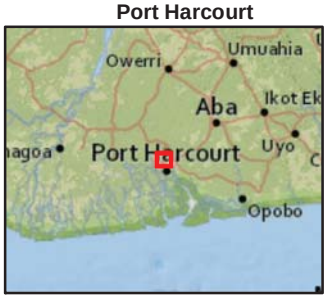

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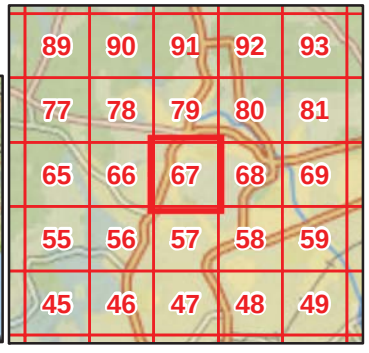

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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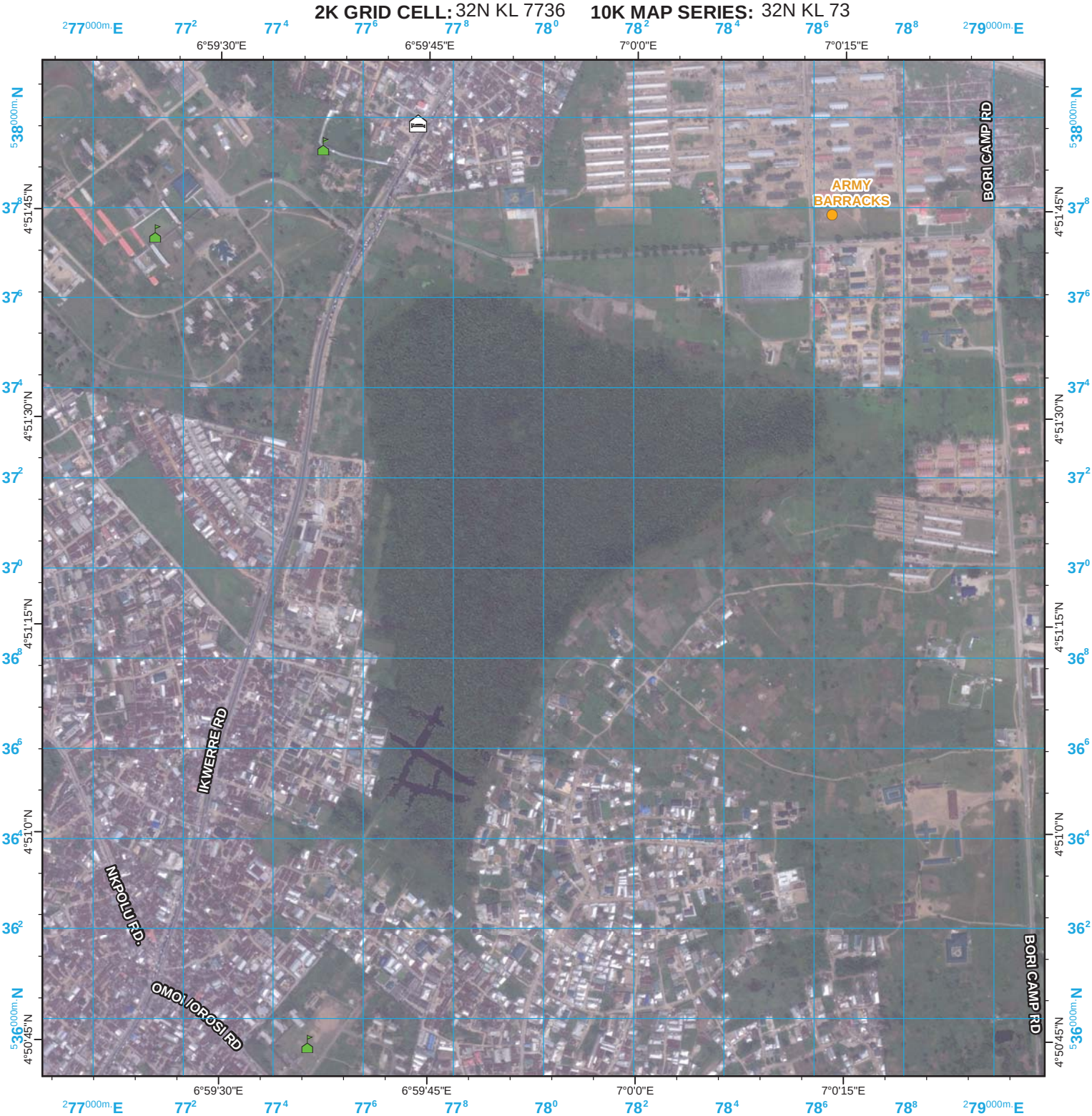
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7736 **10K MAP SERIES:** 32N KL 73



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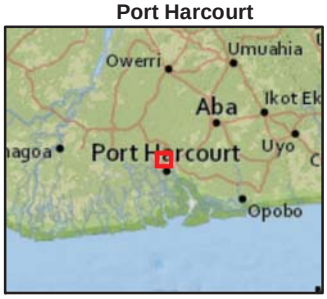

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89	90	91	92	93
77	78	79	80	81
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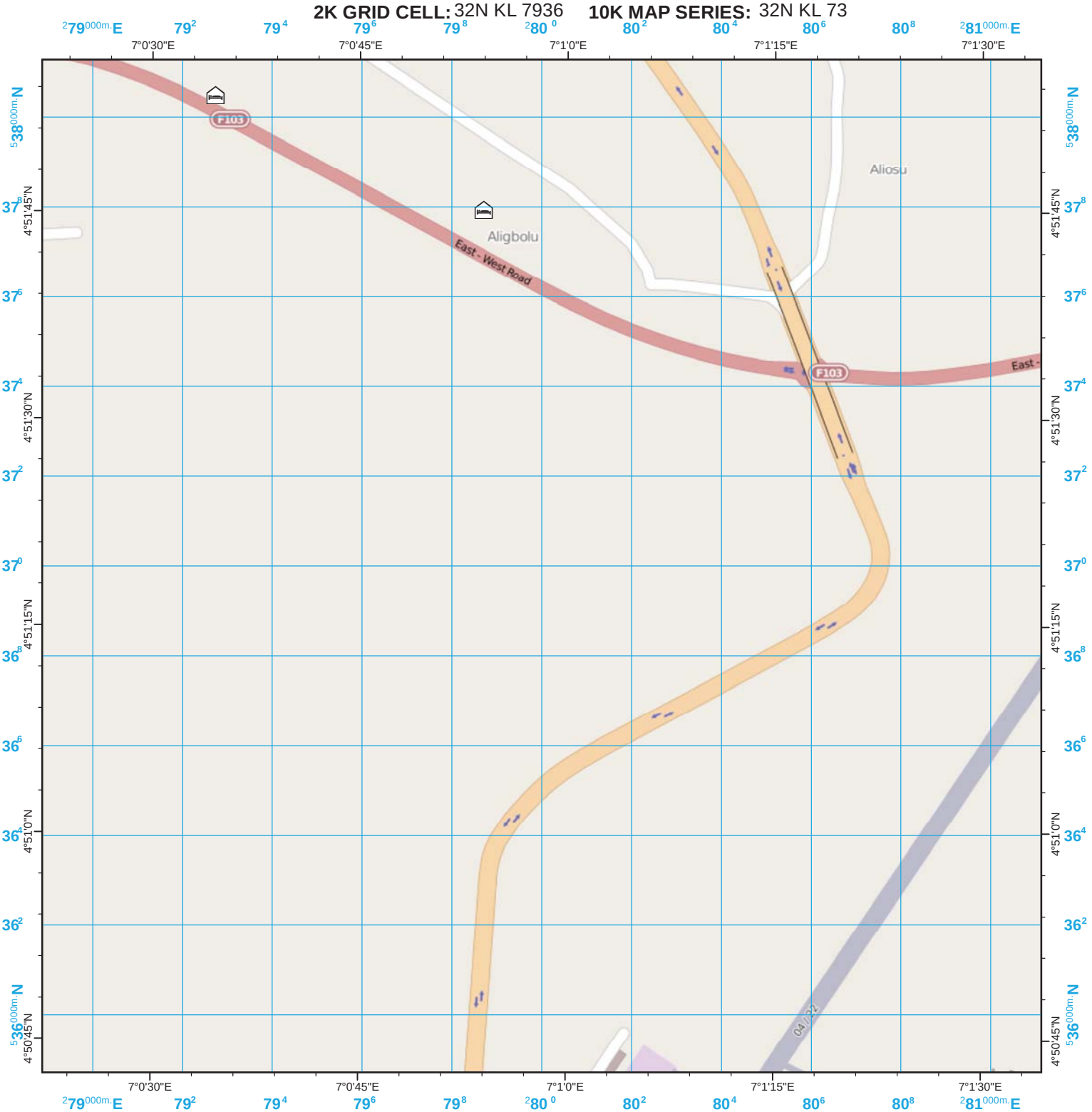
45	46	47	48	49

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7936 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
- HOTEL
- MEDICAL SERVICES
- MOSQUE
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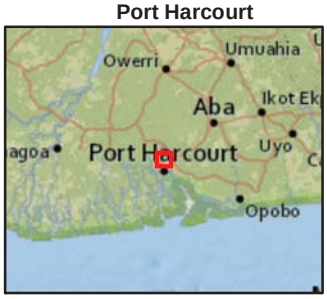
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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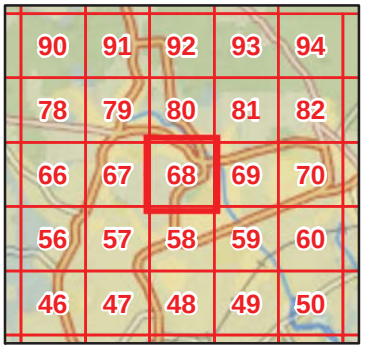

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7936 **10K MAP SERIES:** 32N KL 73

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
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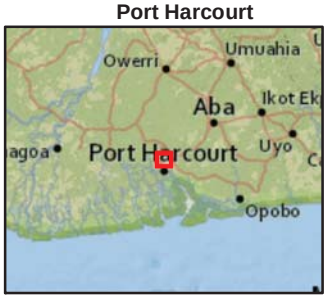
Port Harcourt



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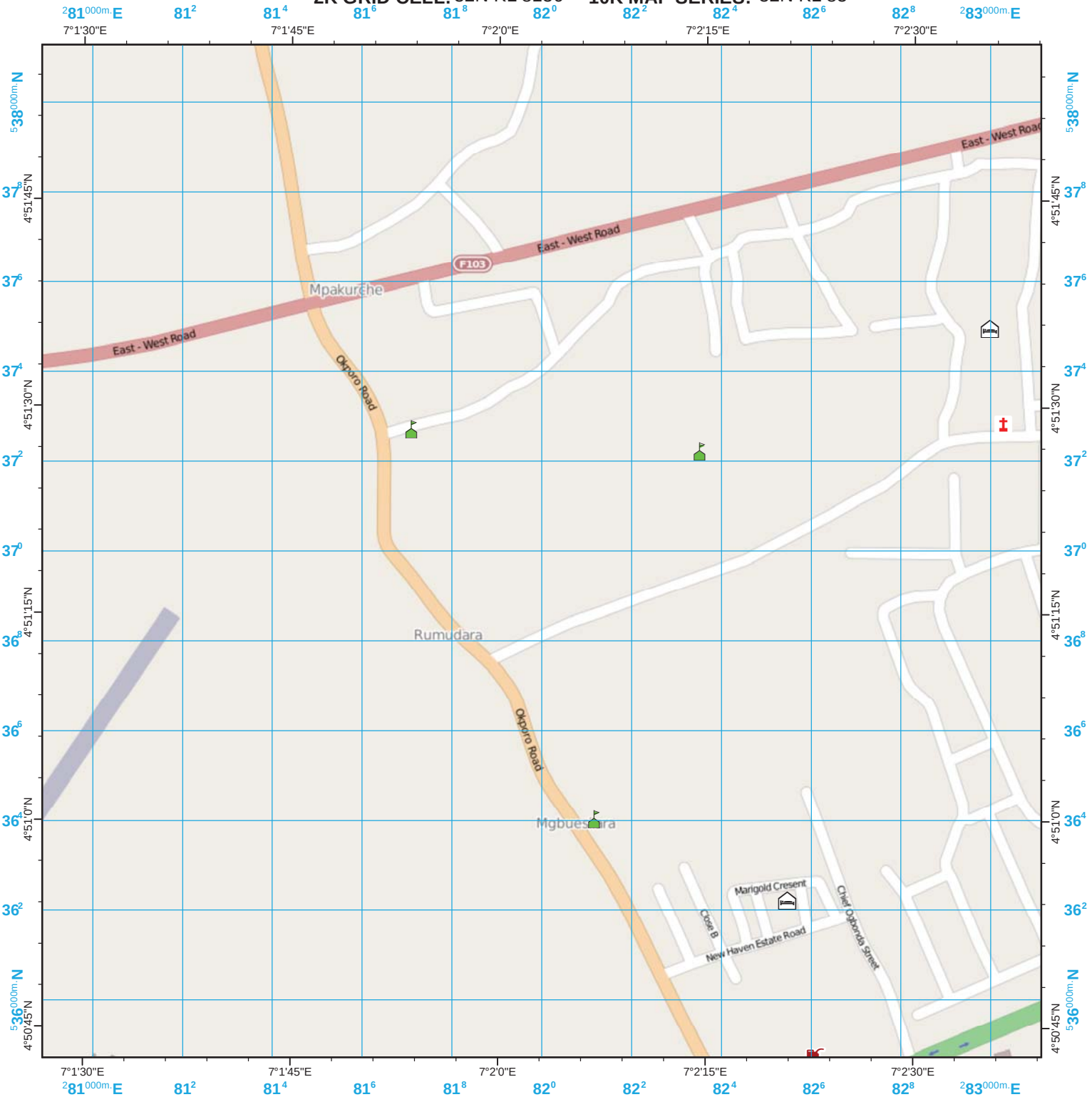
90	91	92	93	94
78	79	80	81	82
66	67	68	69	70
56	57	58	59	60
46	47	48	49	50

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8136 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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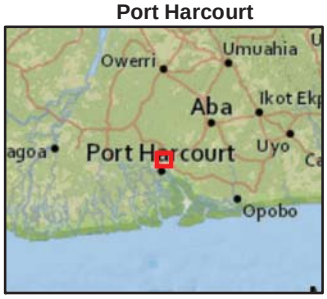

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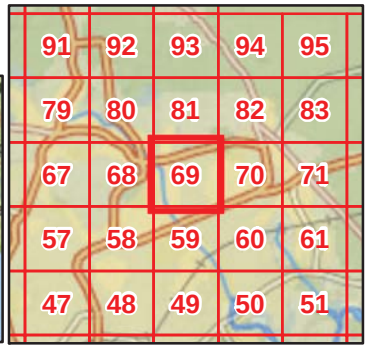

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8136 **10K MAP SERIES:** 32N KL 83

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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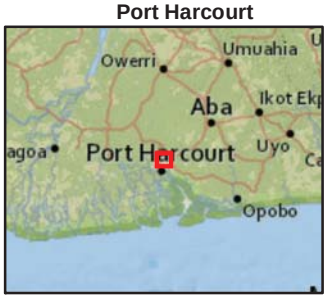
Port Harcourt



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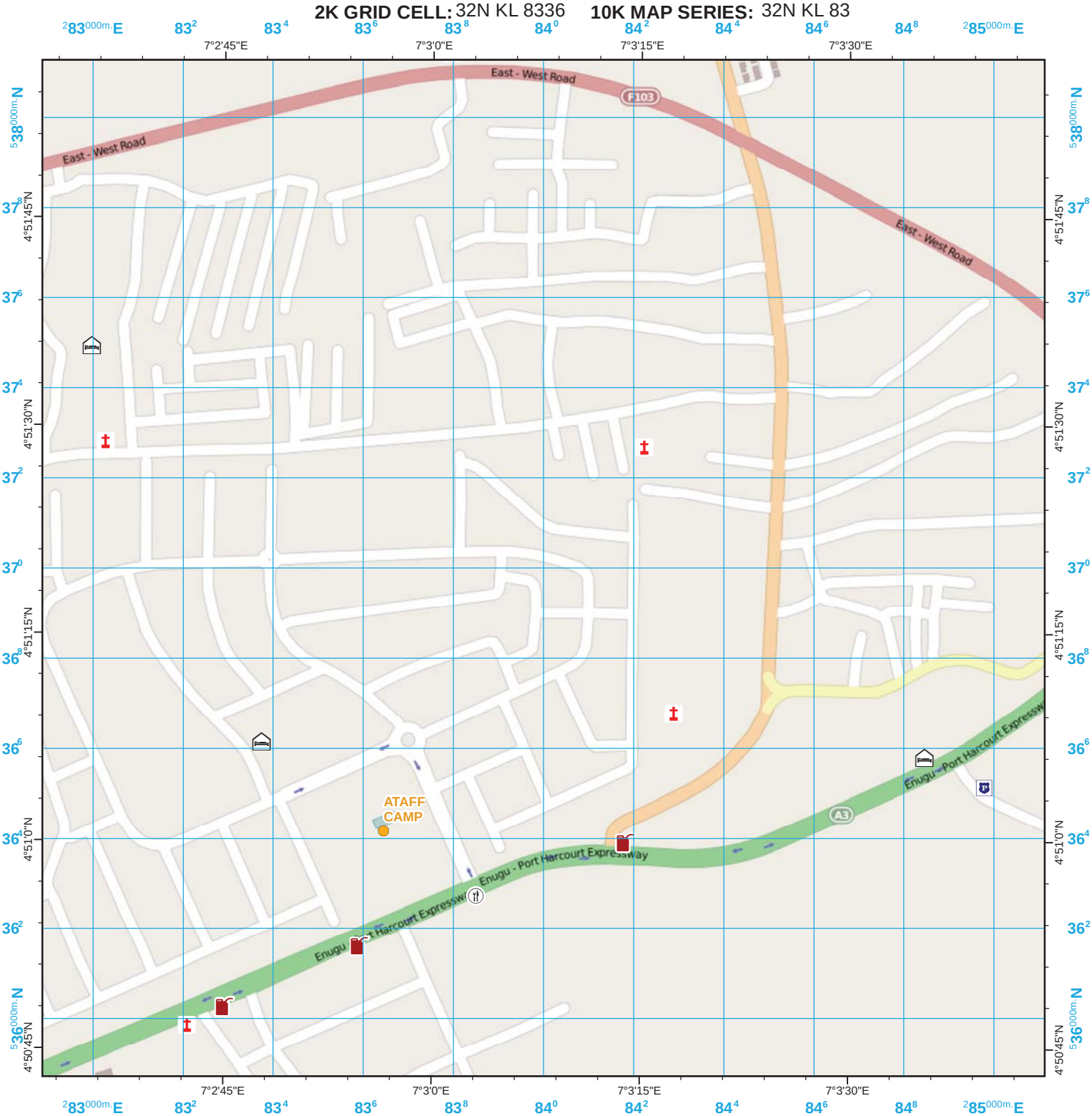
91	92	93	94	95
79	80	81	82	83
67	68	69	70	71
57	58	59	60	61
47	48	49	50	51

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8336 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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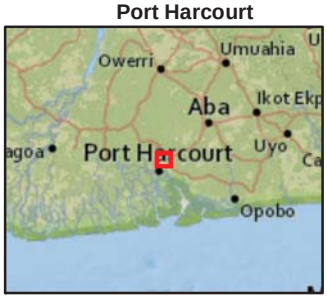

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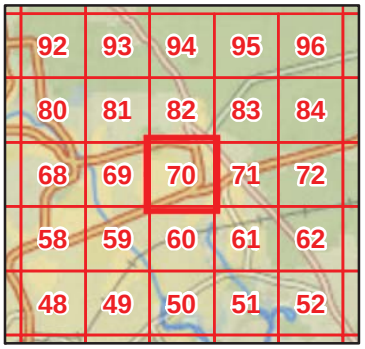

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8336 **10K MAP SERIES:** 32N KL 83

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
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- COMMUNITY CENTER
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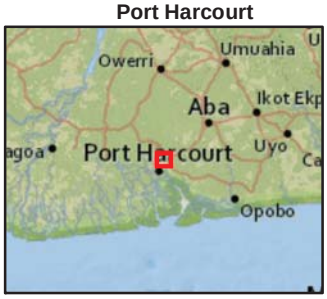

INDEX MAP

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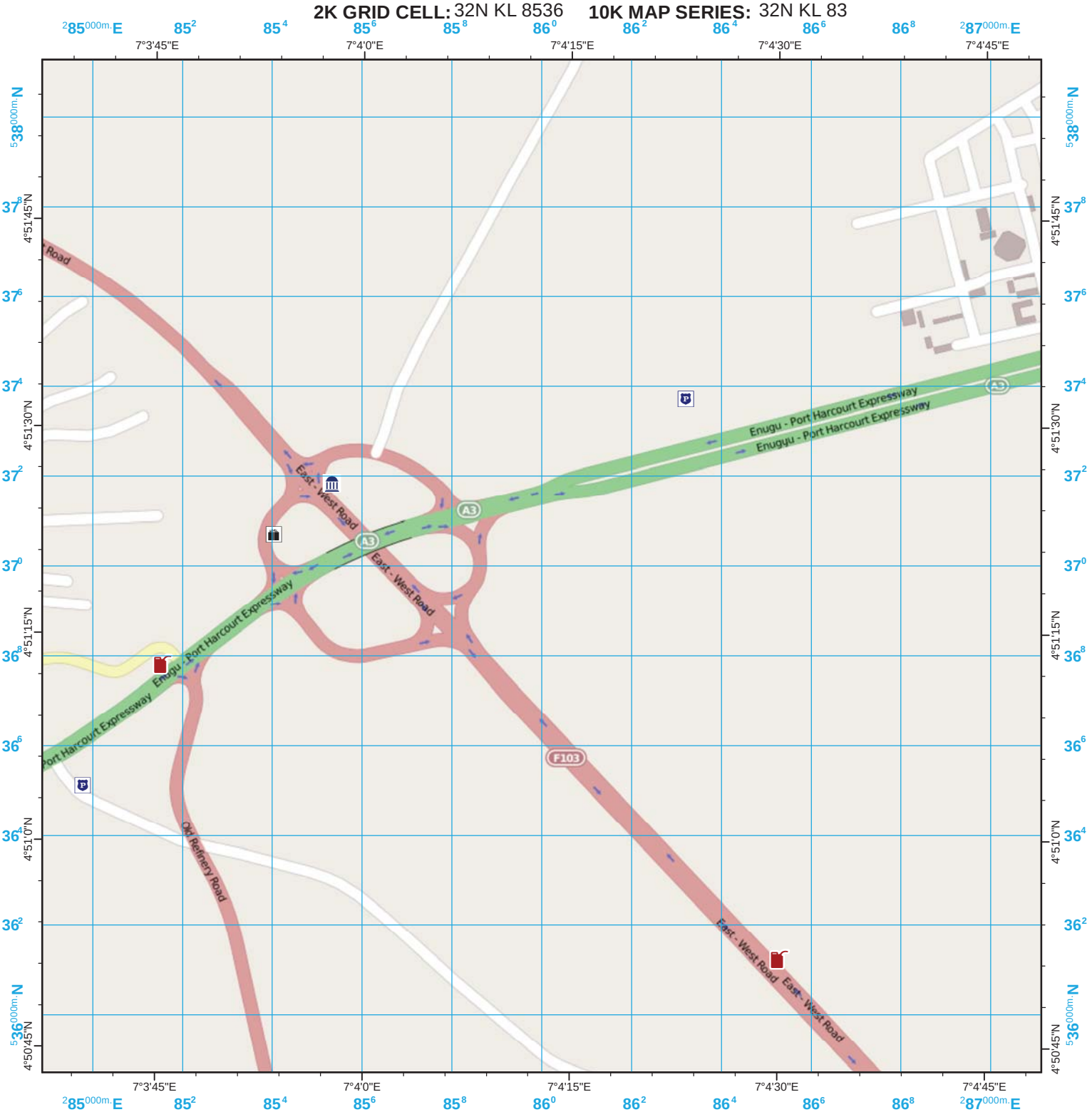
92	93	94	95	96
80	81	82	83	84
68	69	**70**	71	72
58	59	60	61	62
48	49	50	51	52

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8536 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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0 250 500 1,000 1,500 2,000 2,500 Feet

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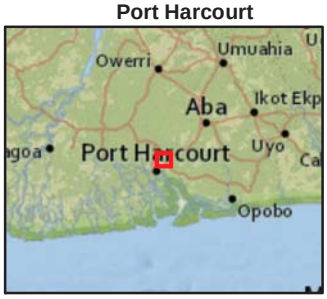

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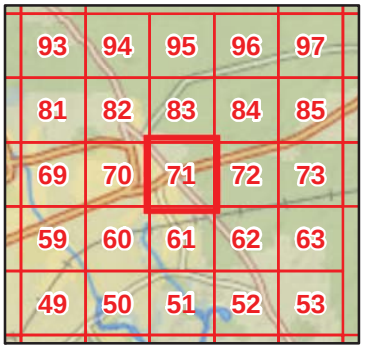
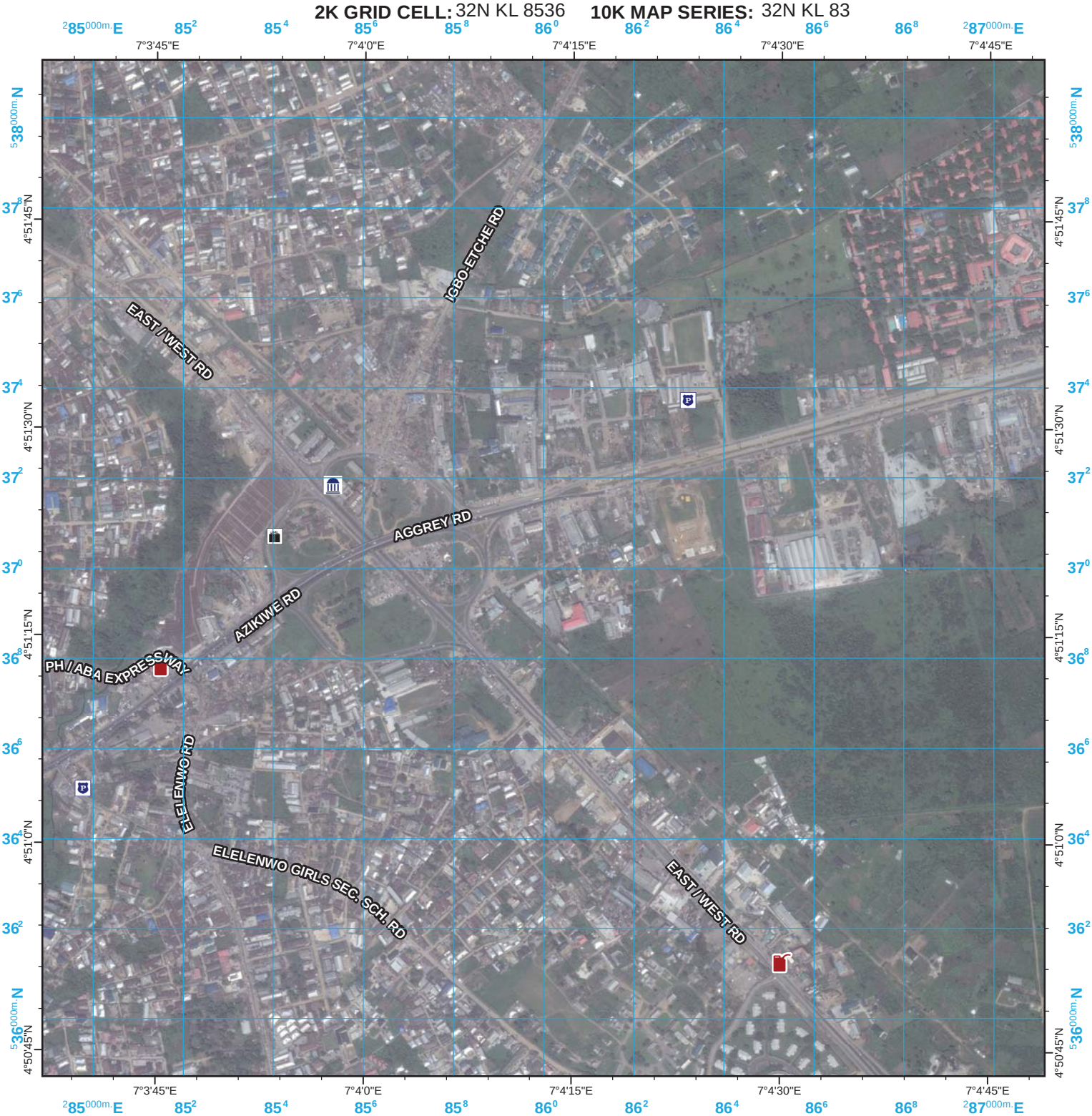


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8536 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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0 50 100 200 300 400 500 Meters

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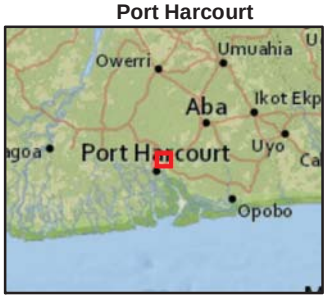
Port Harcourt



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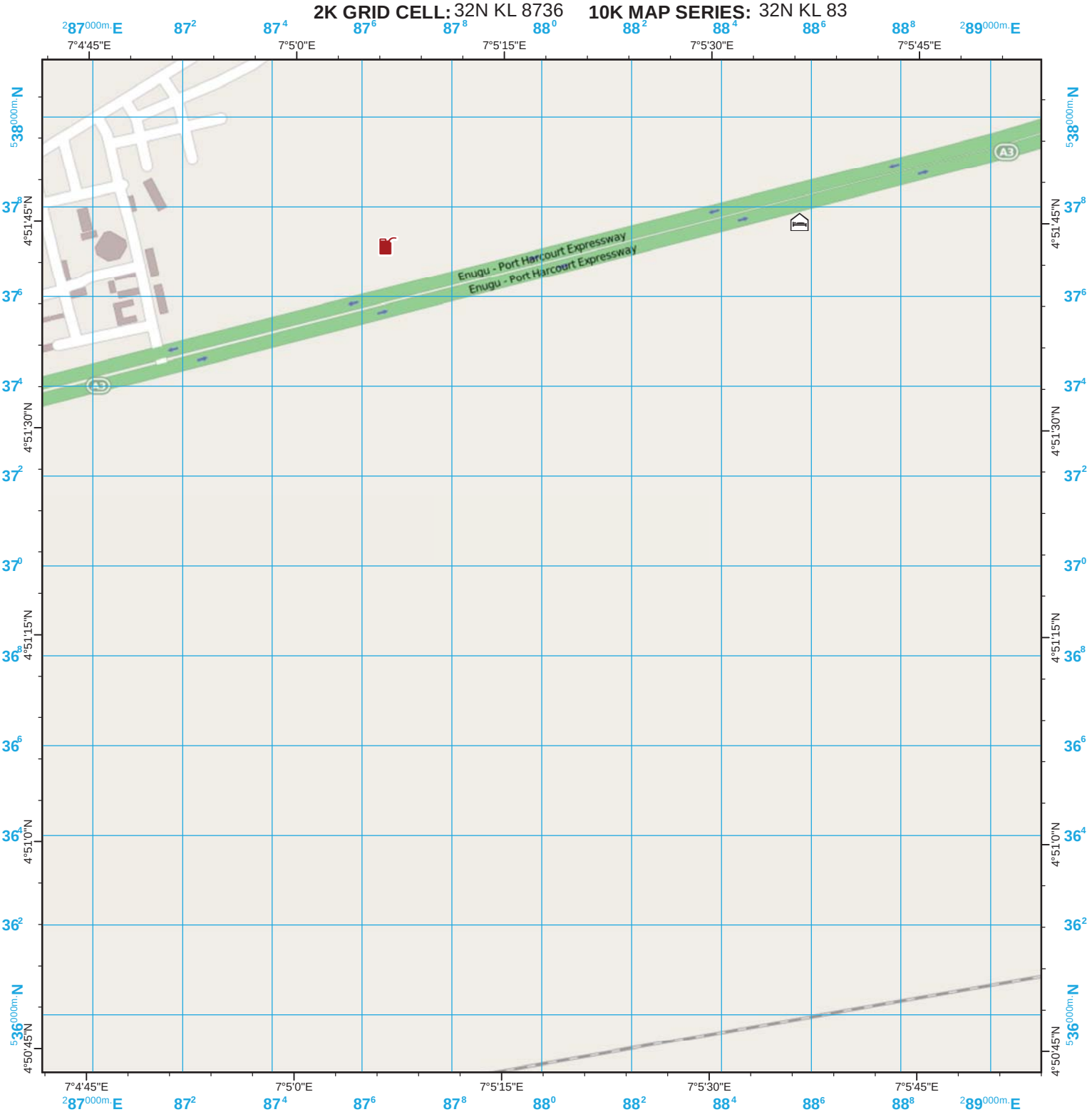
93	94	95	96	97
81	82	83	84	85
69	70	71	72	73
59	60	61	62	63
49	50	51	52	53

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8736 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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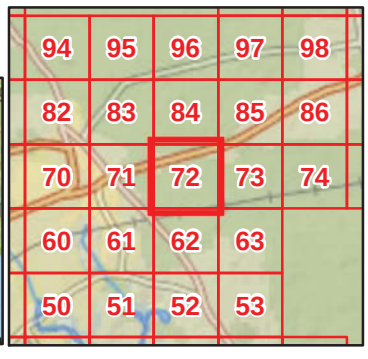

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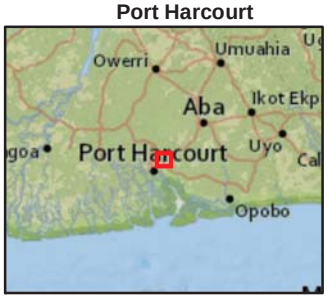

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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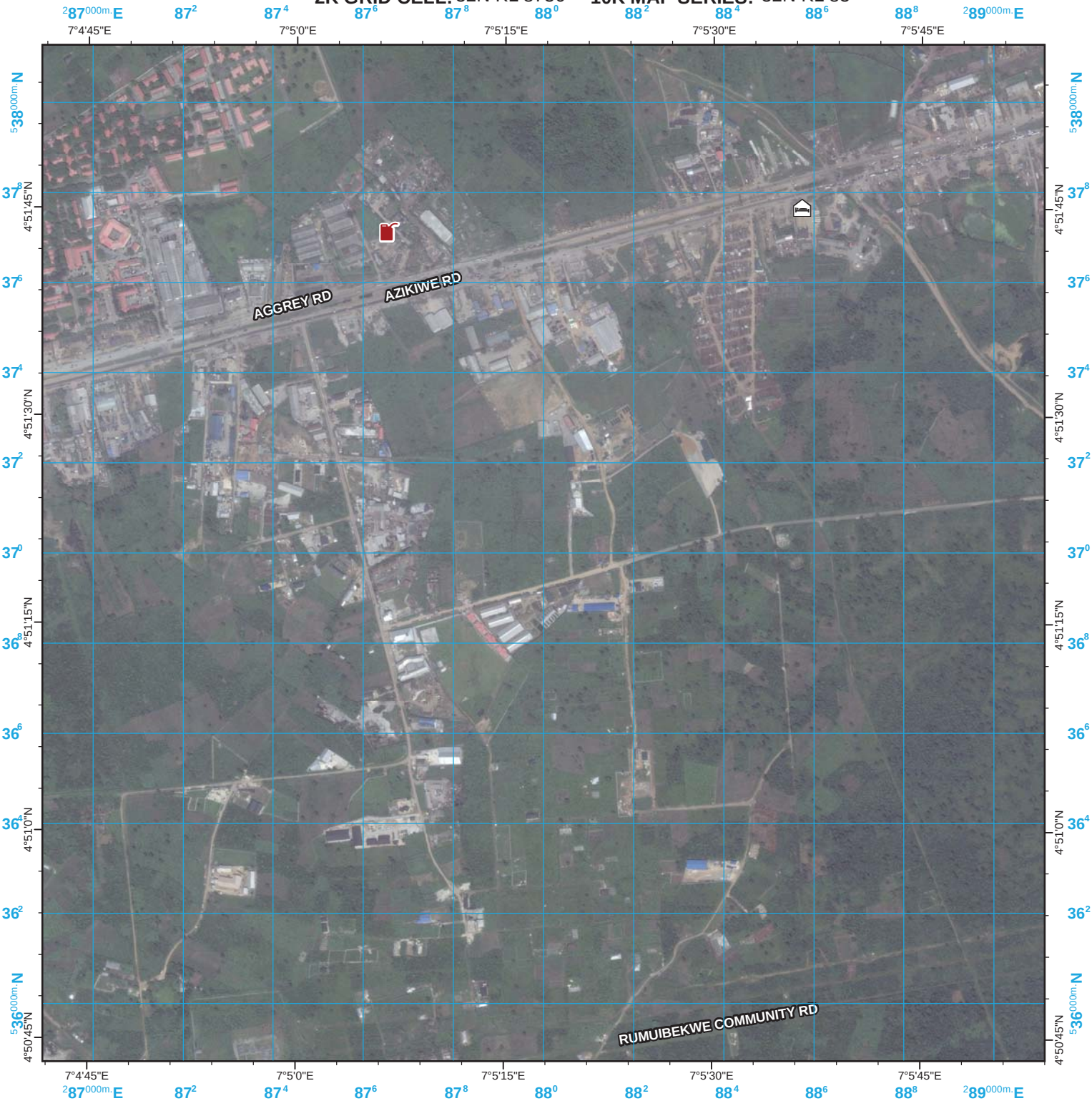
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8736 **10K MAP SERIES:** 32N KL 83



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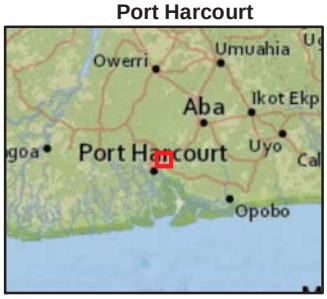
Port Harcourt



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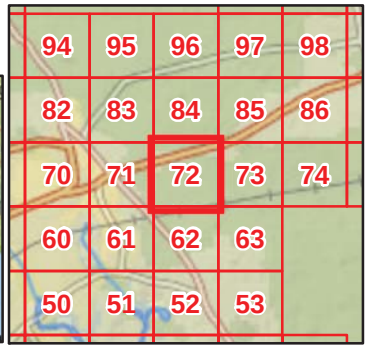
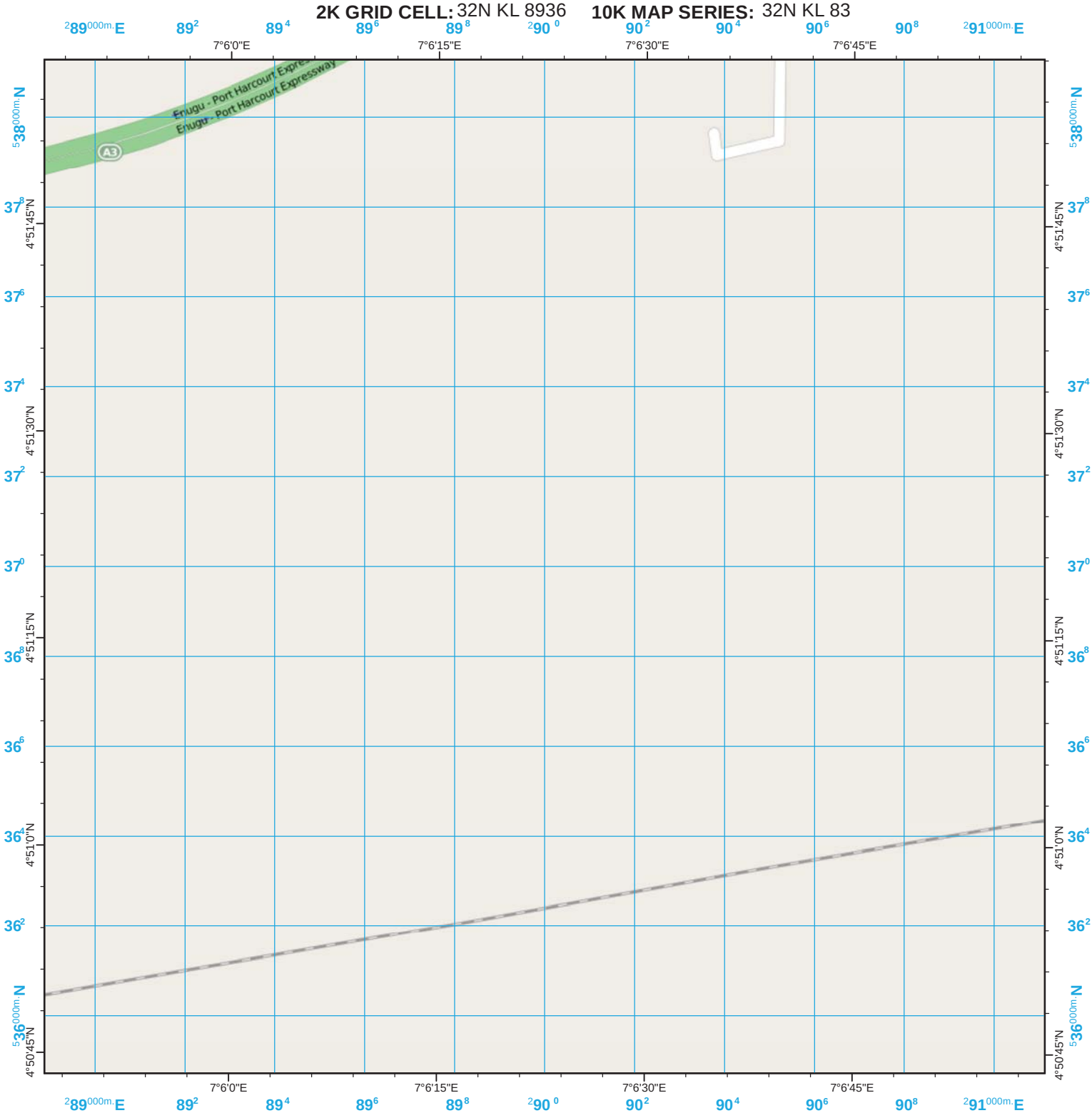


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8936 **10K MAP SERIES:** 32N KL 83



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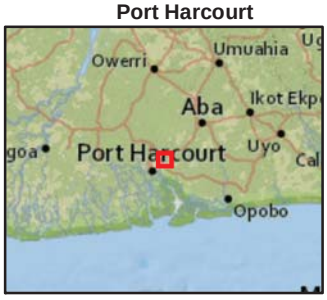

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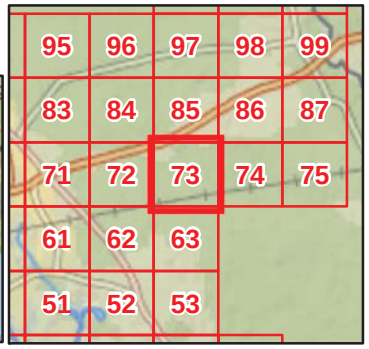

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8936 **10K MAP SERIES:** 32N KL 83

2000-m cell, 200-m grid, MGRS
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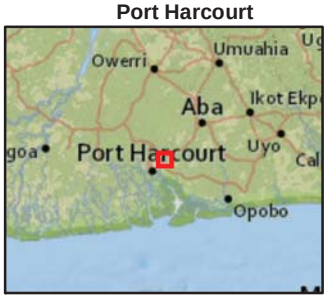

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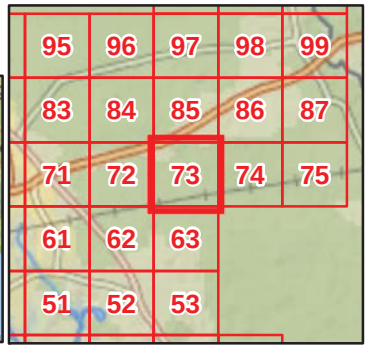
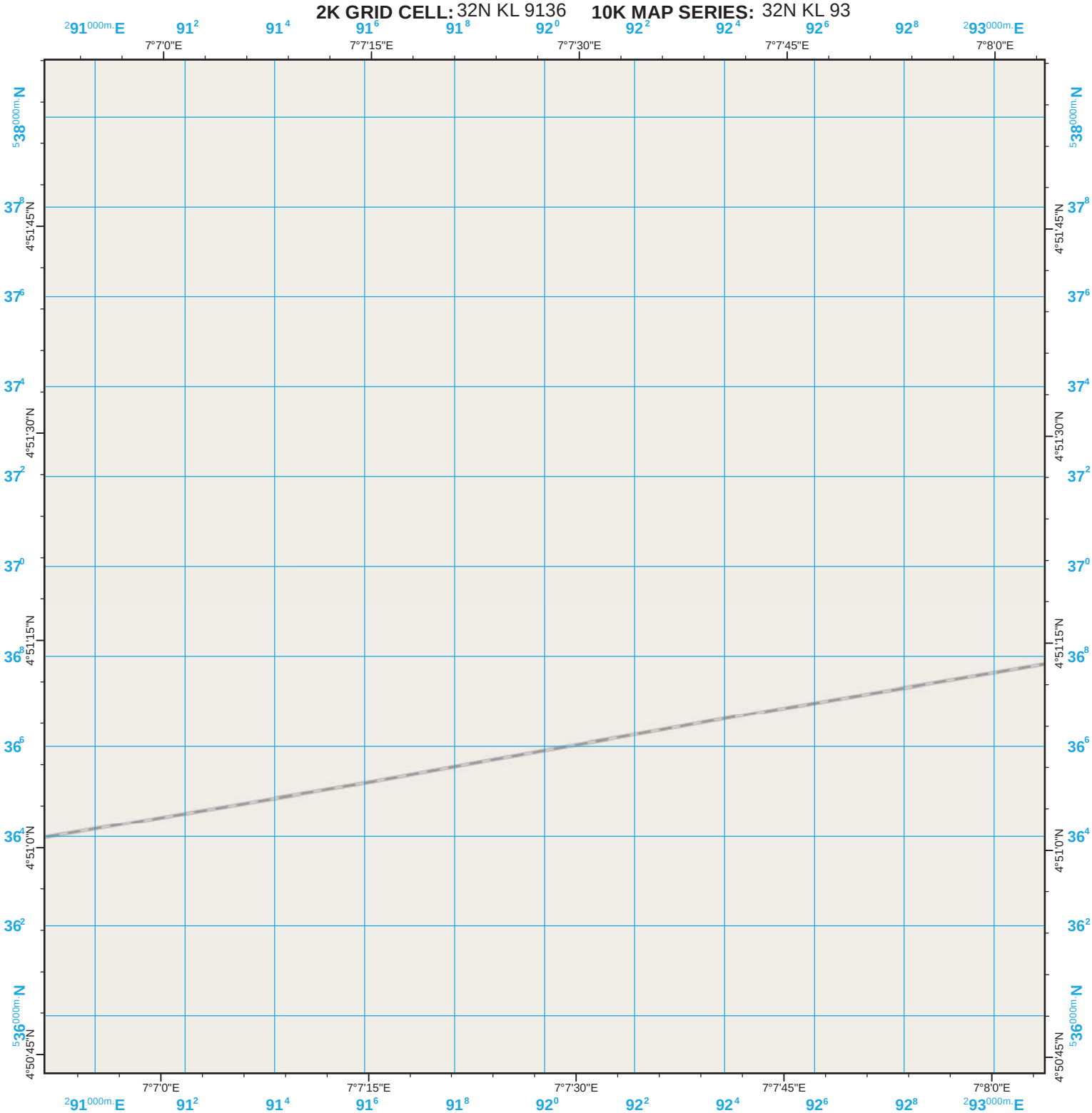


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9136 **10K MAP SERIES:** 32N KL 93



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
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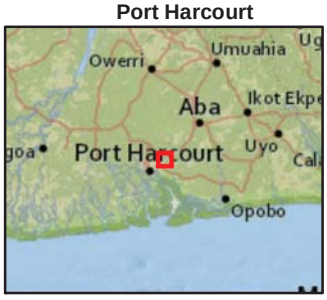
Port Harcourt



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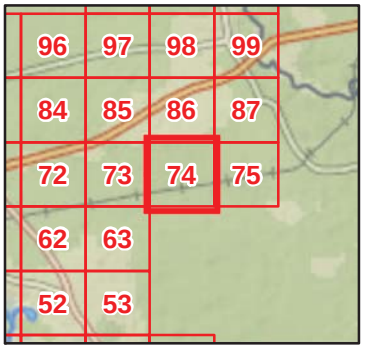
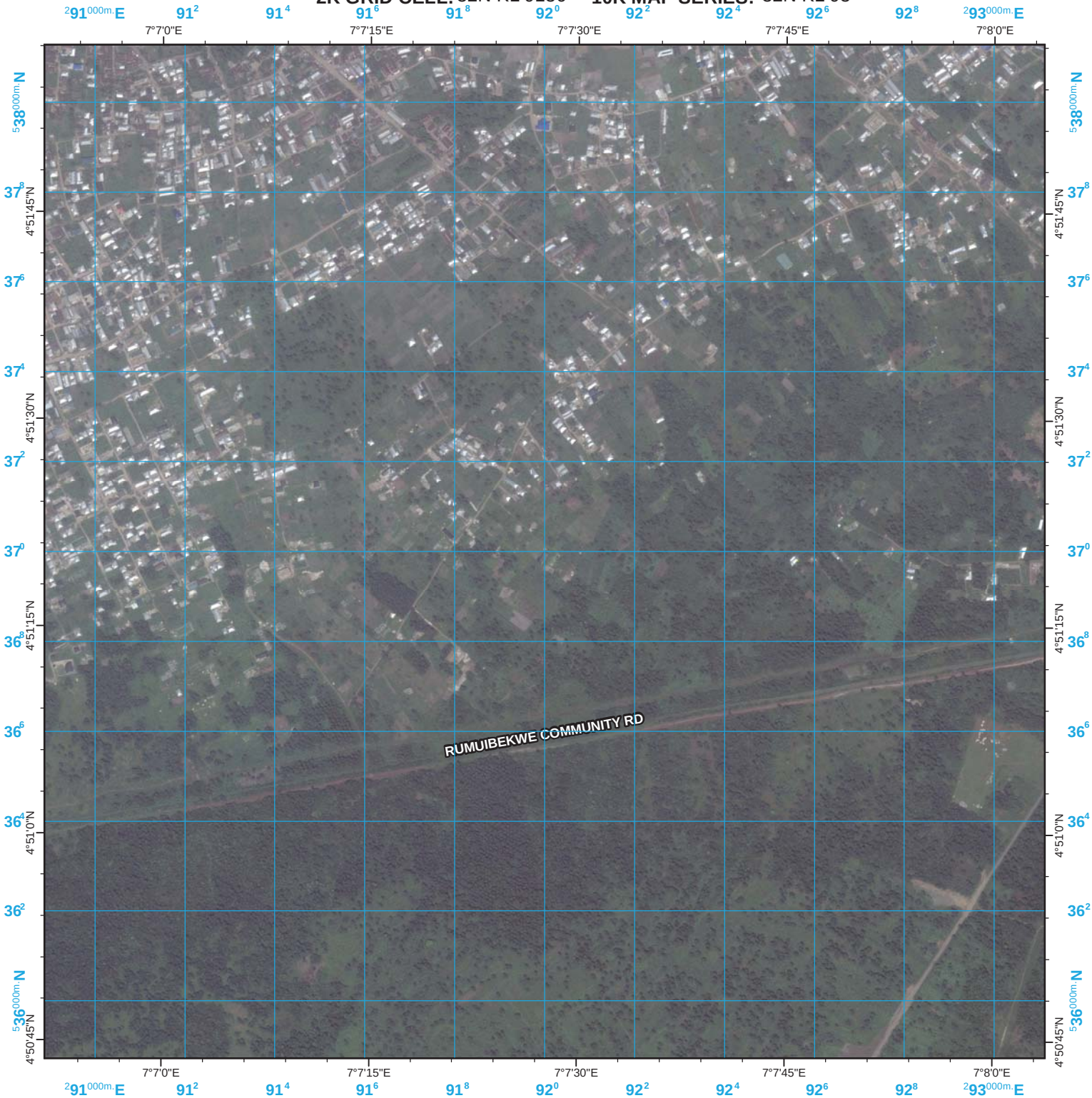


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9136 **10K MAP SERIES:** 32N KL 93



2000-m cell, 200-m grid, MGRS
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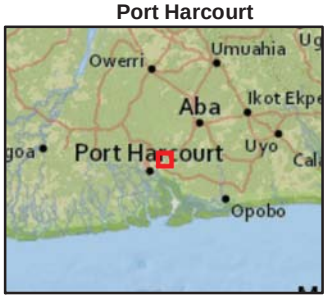

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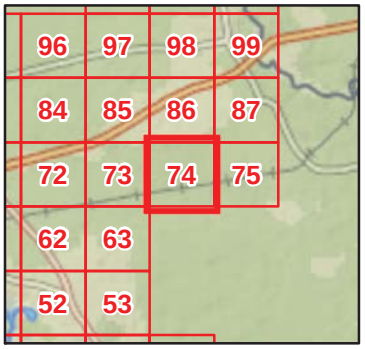
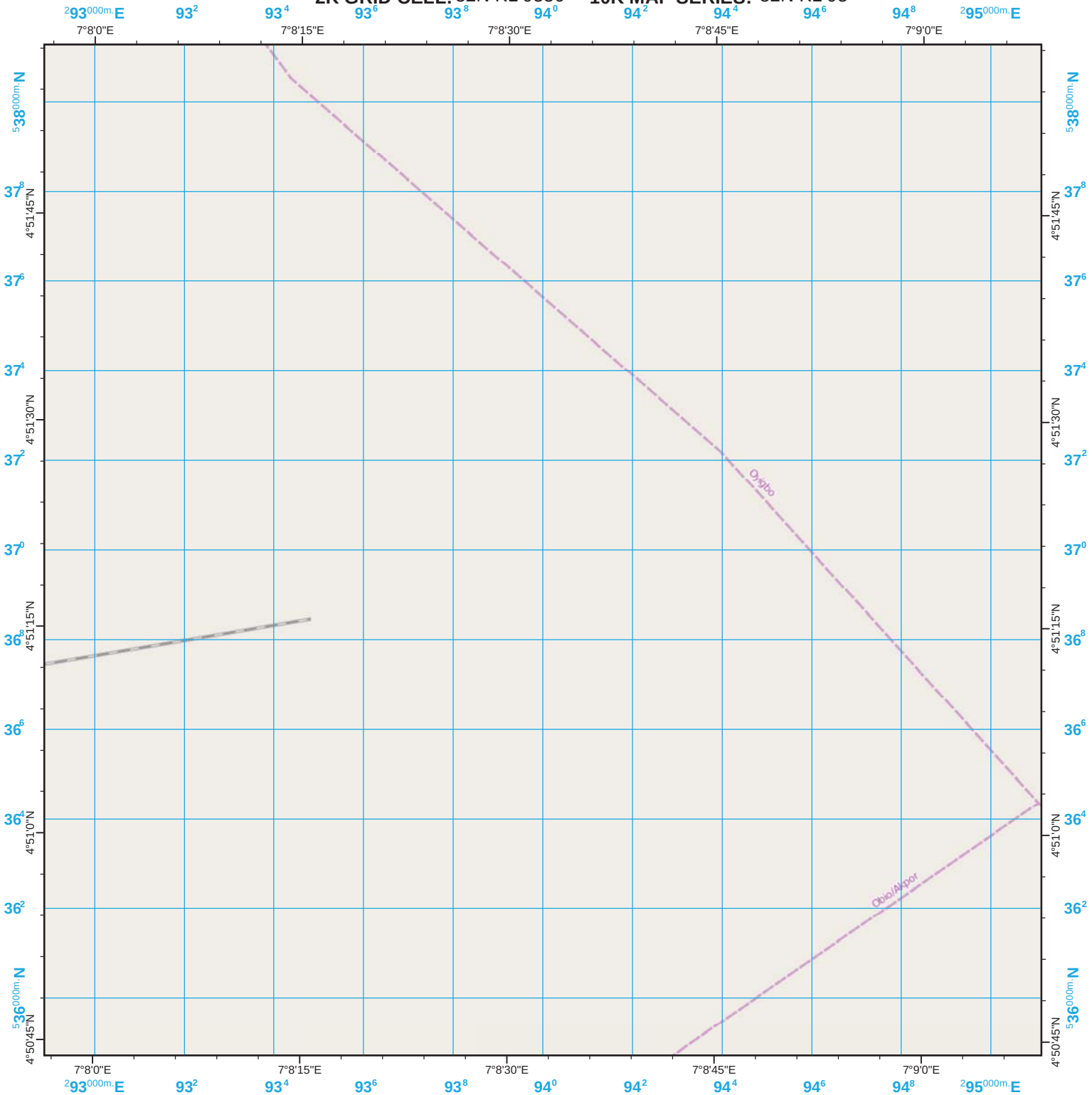


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9336 **10K MAP SERIES:** 32N KL 93



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100,000-m Square Grid
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Grid Zone Designation
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1:12,000 Scale

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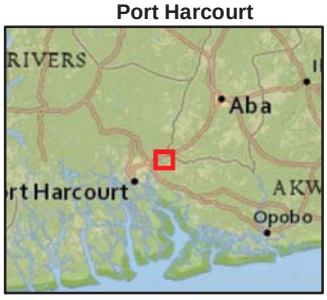

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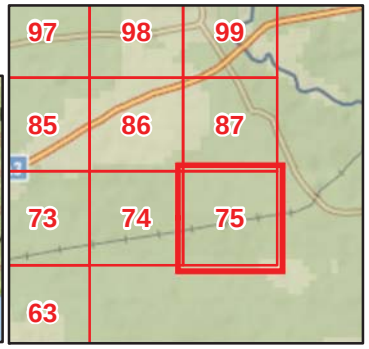
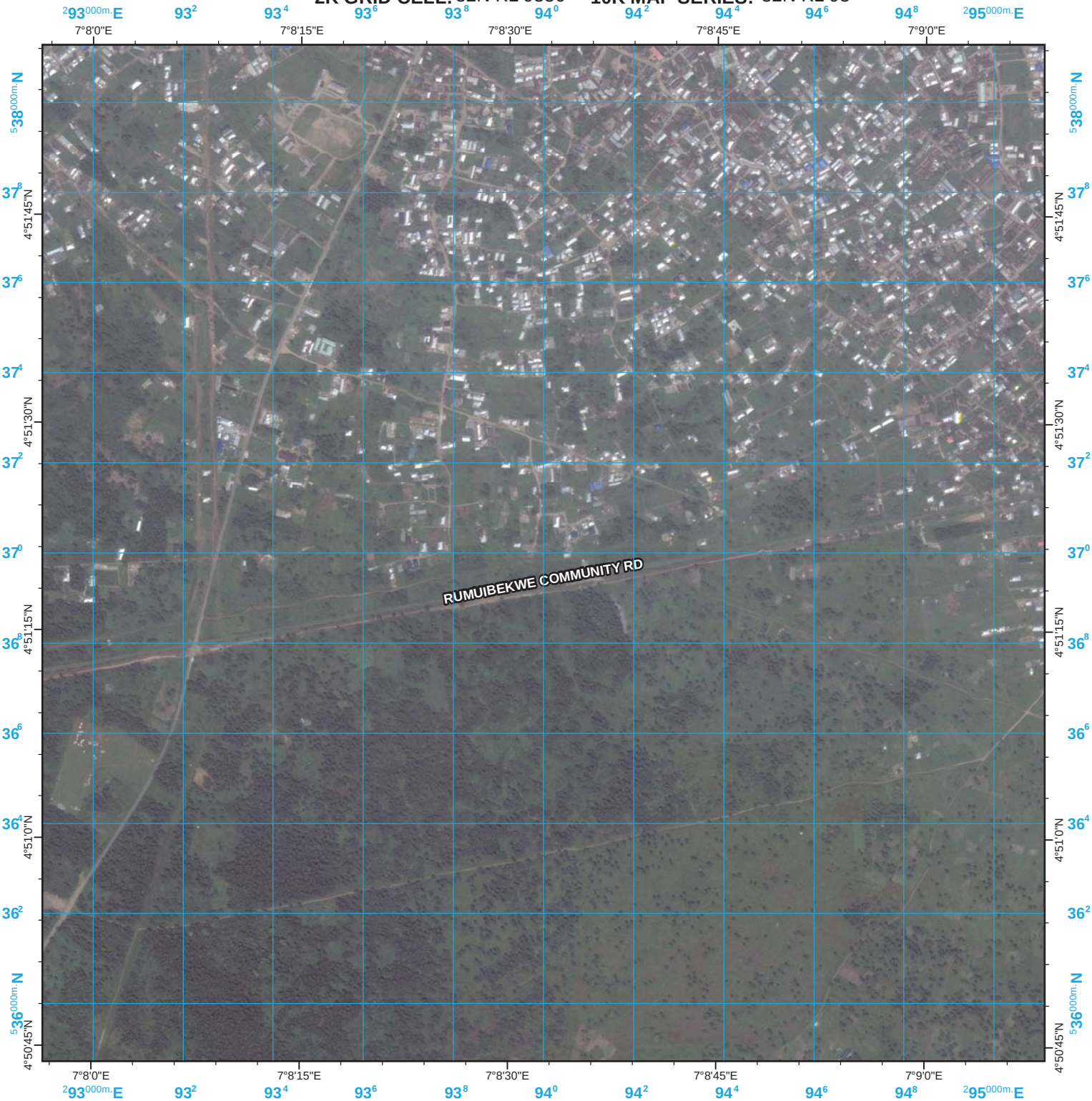


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9336 **10K MAP SERIES:** 32N KL 93



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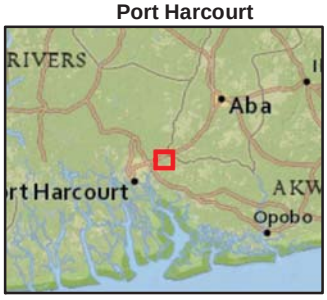

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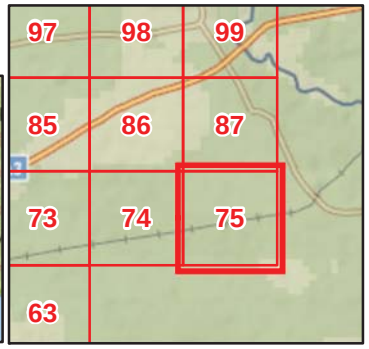

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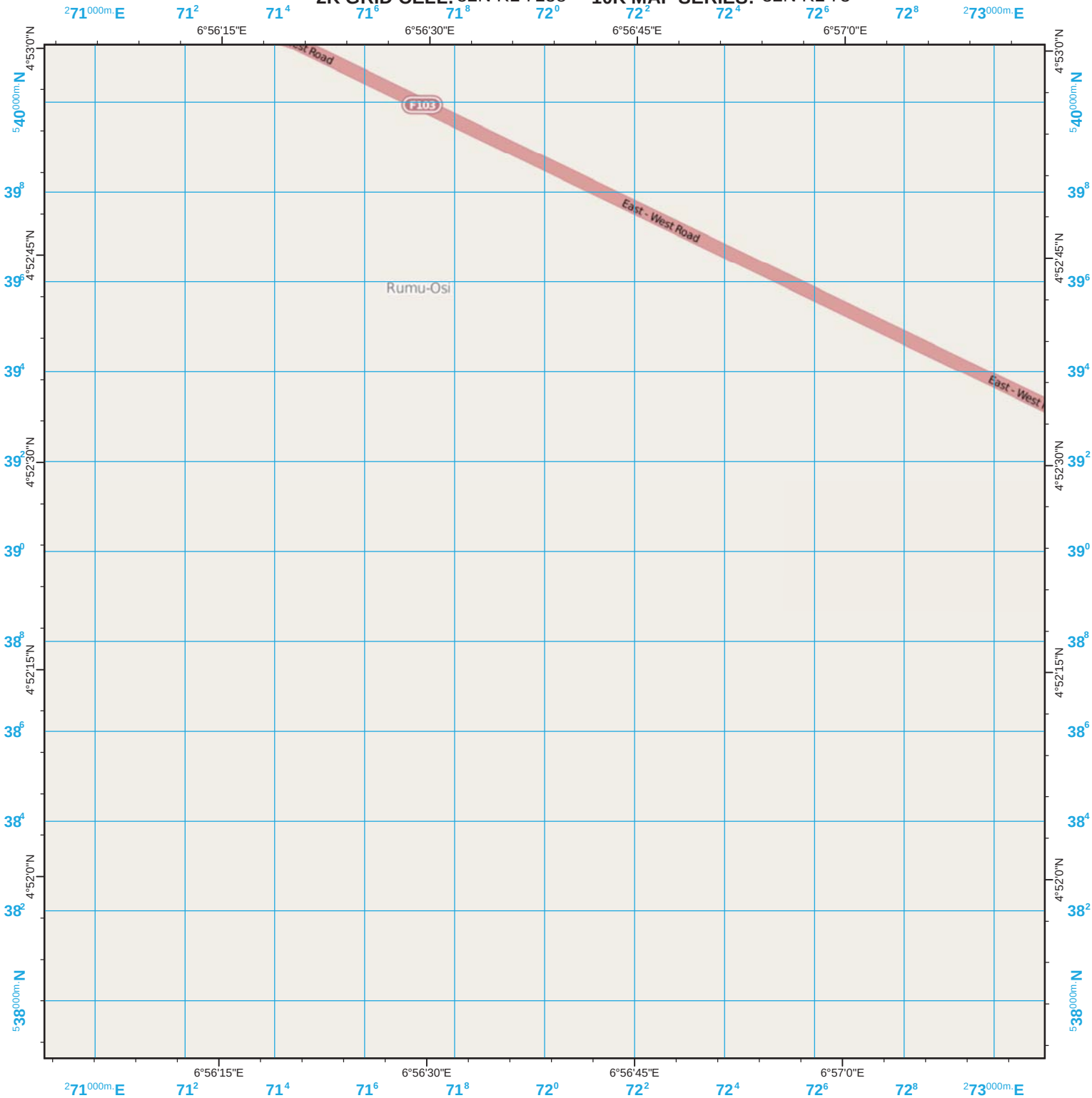
2K GRID CELL: 32N KL 7138 **10K MAP SERIES:** 32N KL 73



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100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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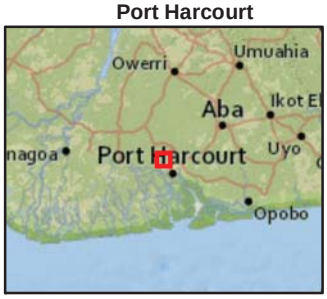

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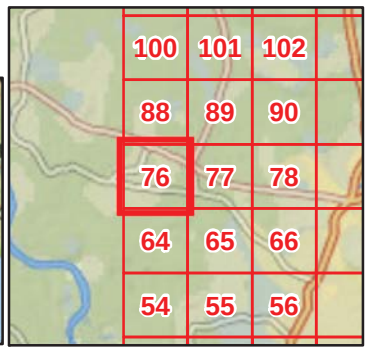

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2K GRID CELL: 32N KL 7138 **10K MAP SERIES:** 32N KL 73

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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
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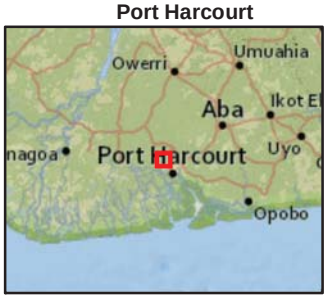

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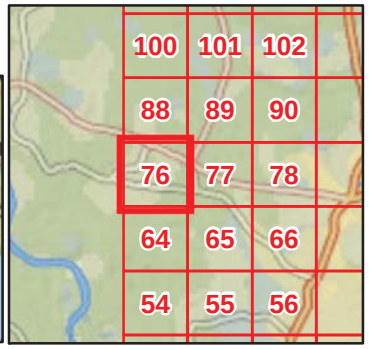
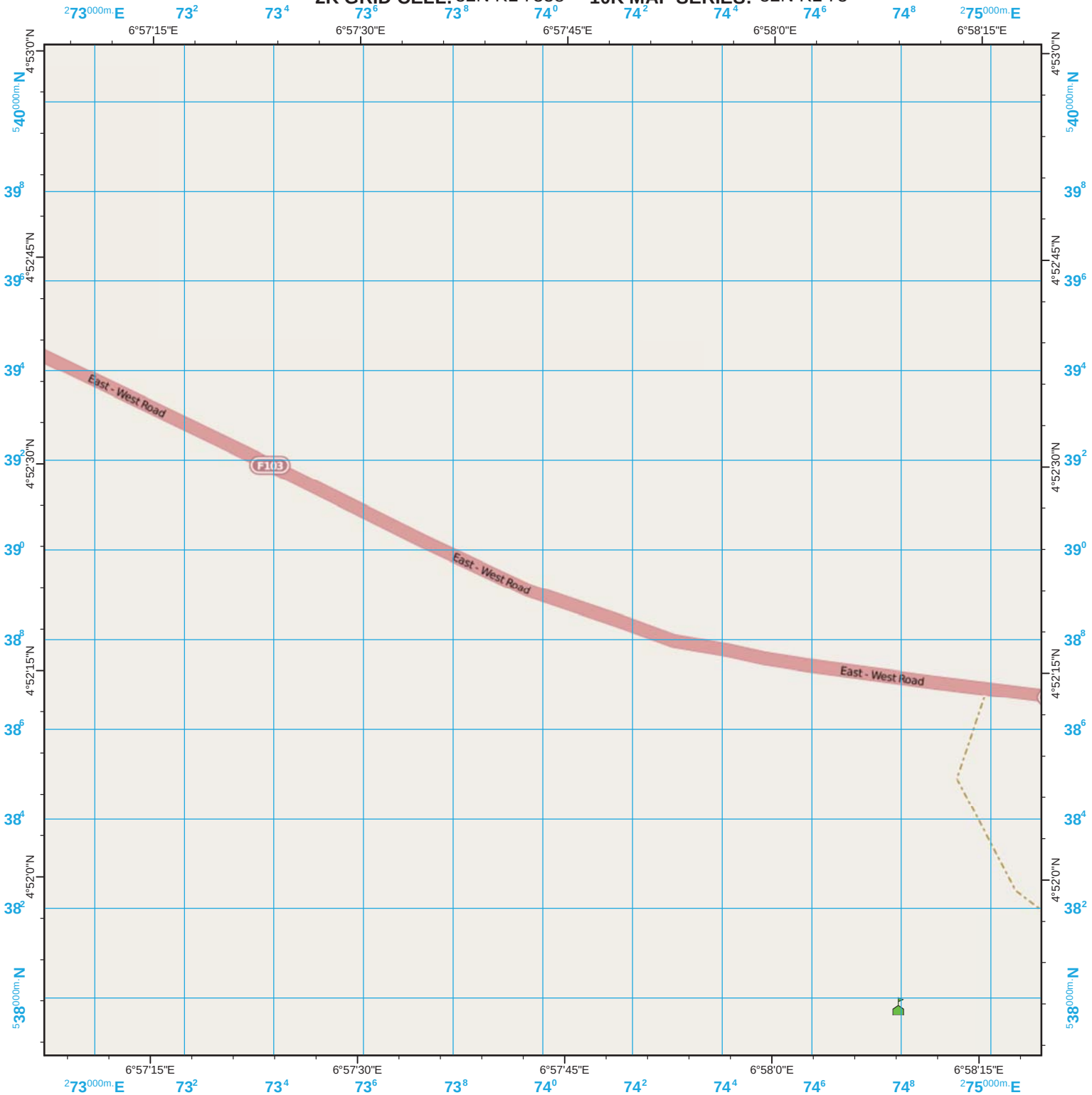


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7338 **10K MAP SERIES:** 32N KL 73



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World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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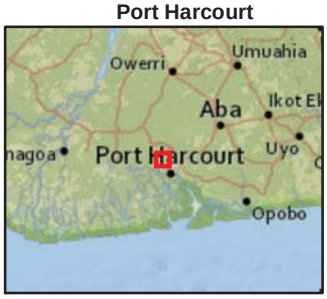
Port Harcourt



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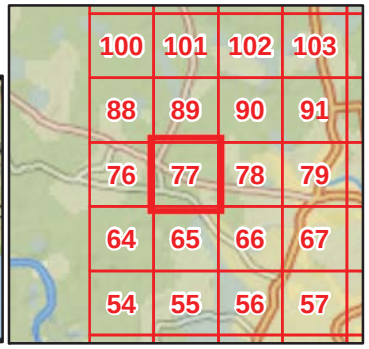
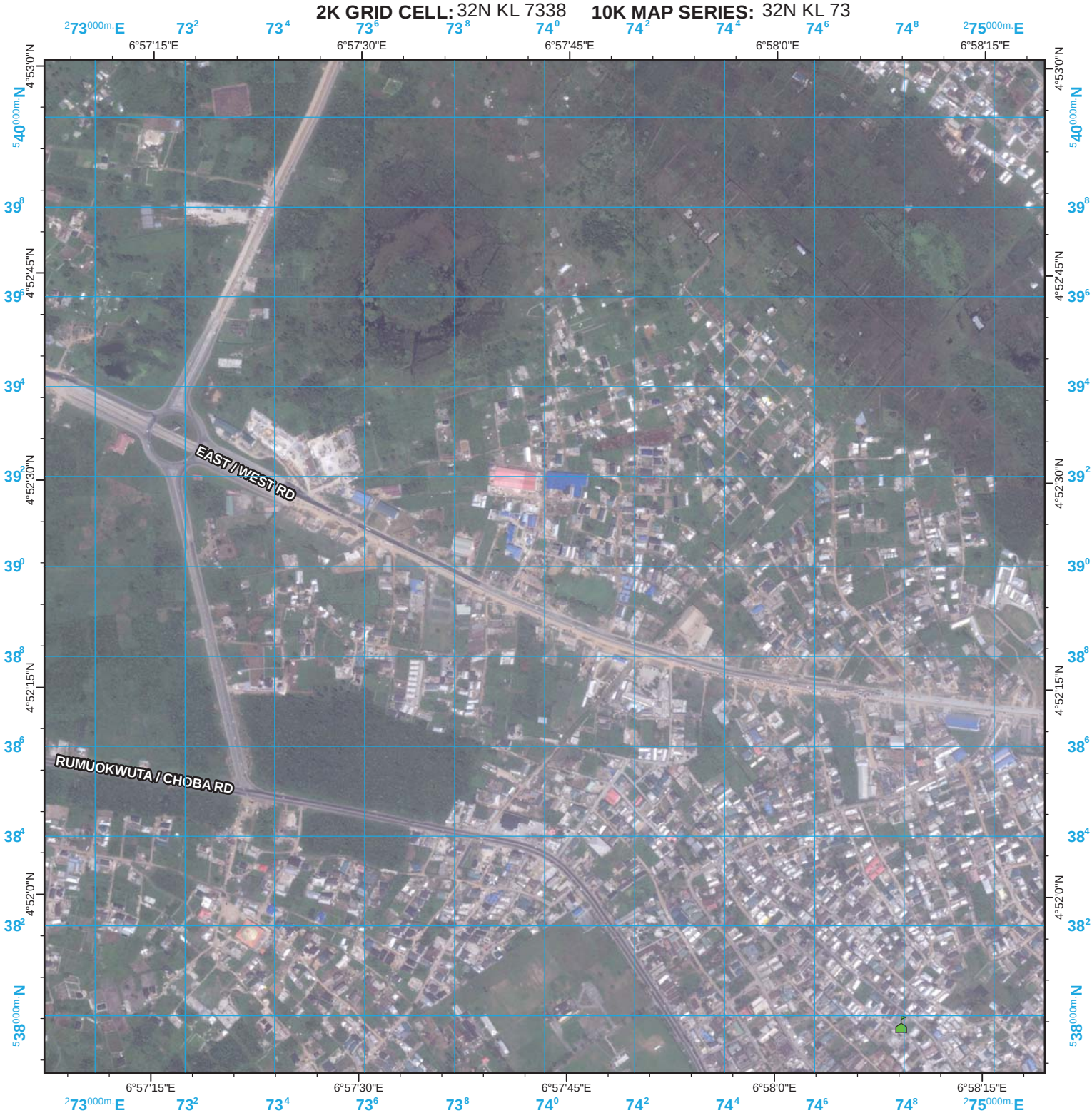


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7338 **10K MAP SERIES:** 32N KL 73



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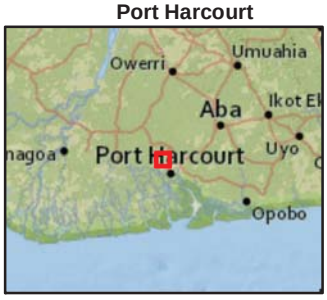

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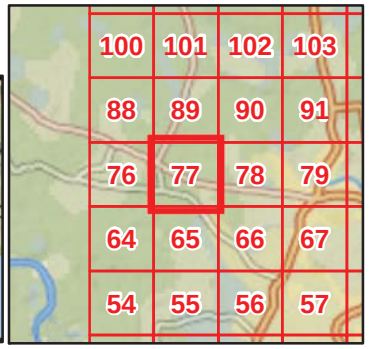
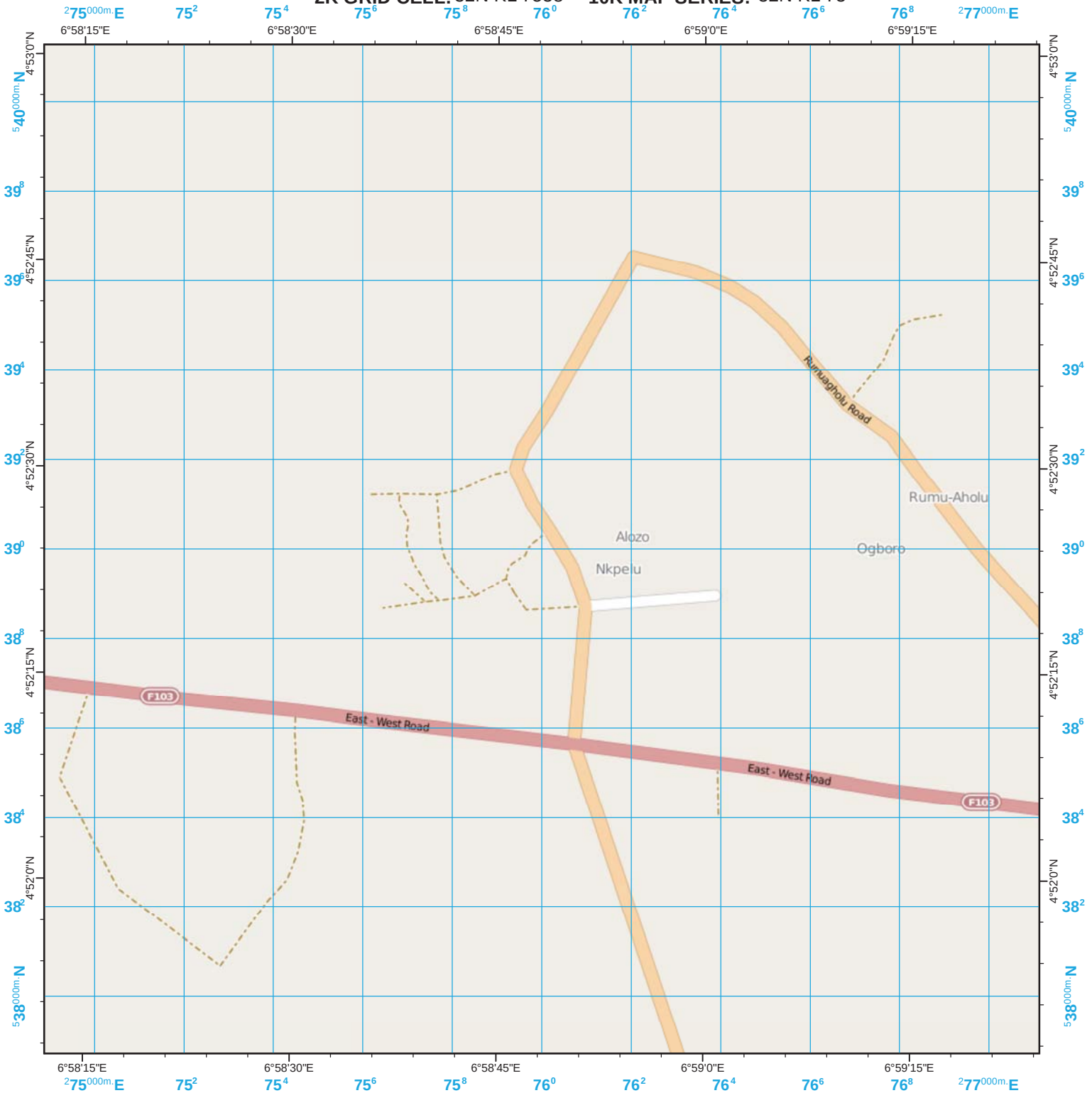


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7538 **10K MAP SERIES:** 32N KL 73



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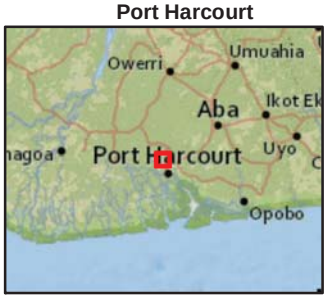

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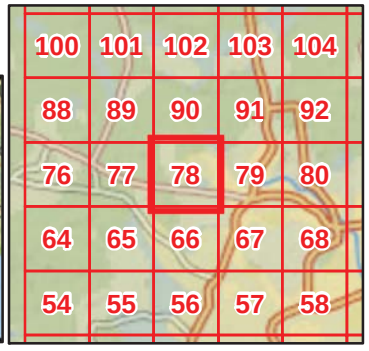
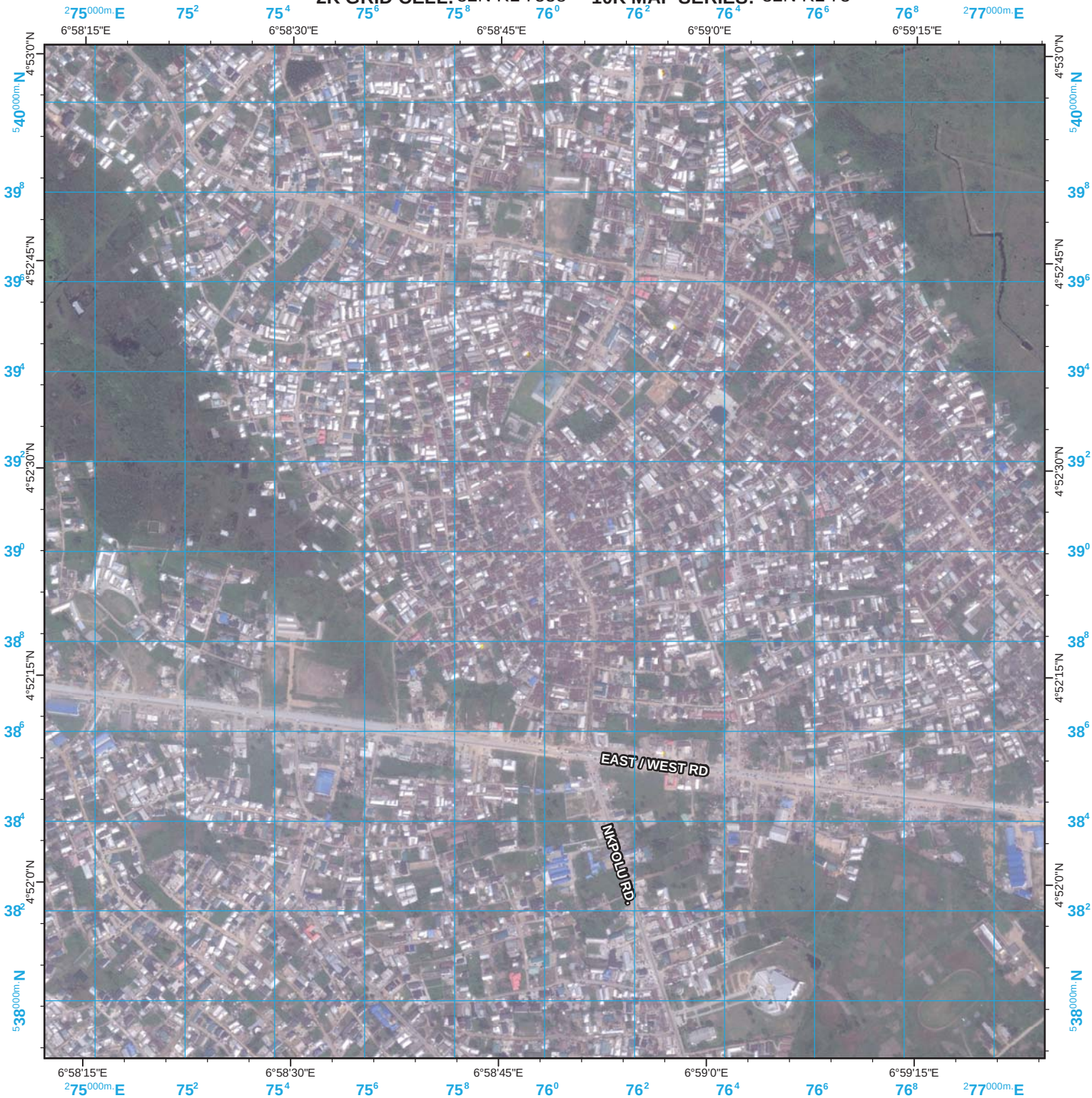


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7538 **10K MAP SERIES:** 32N KL 73



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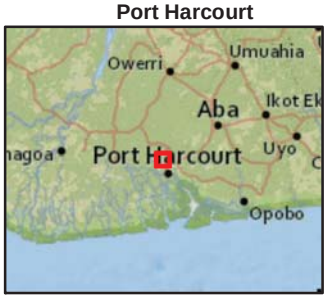

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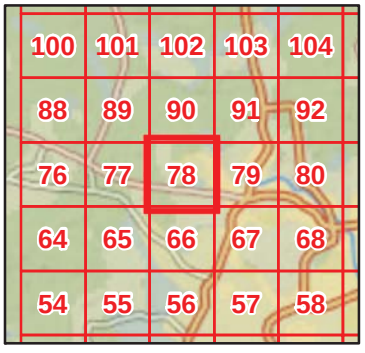

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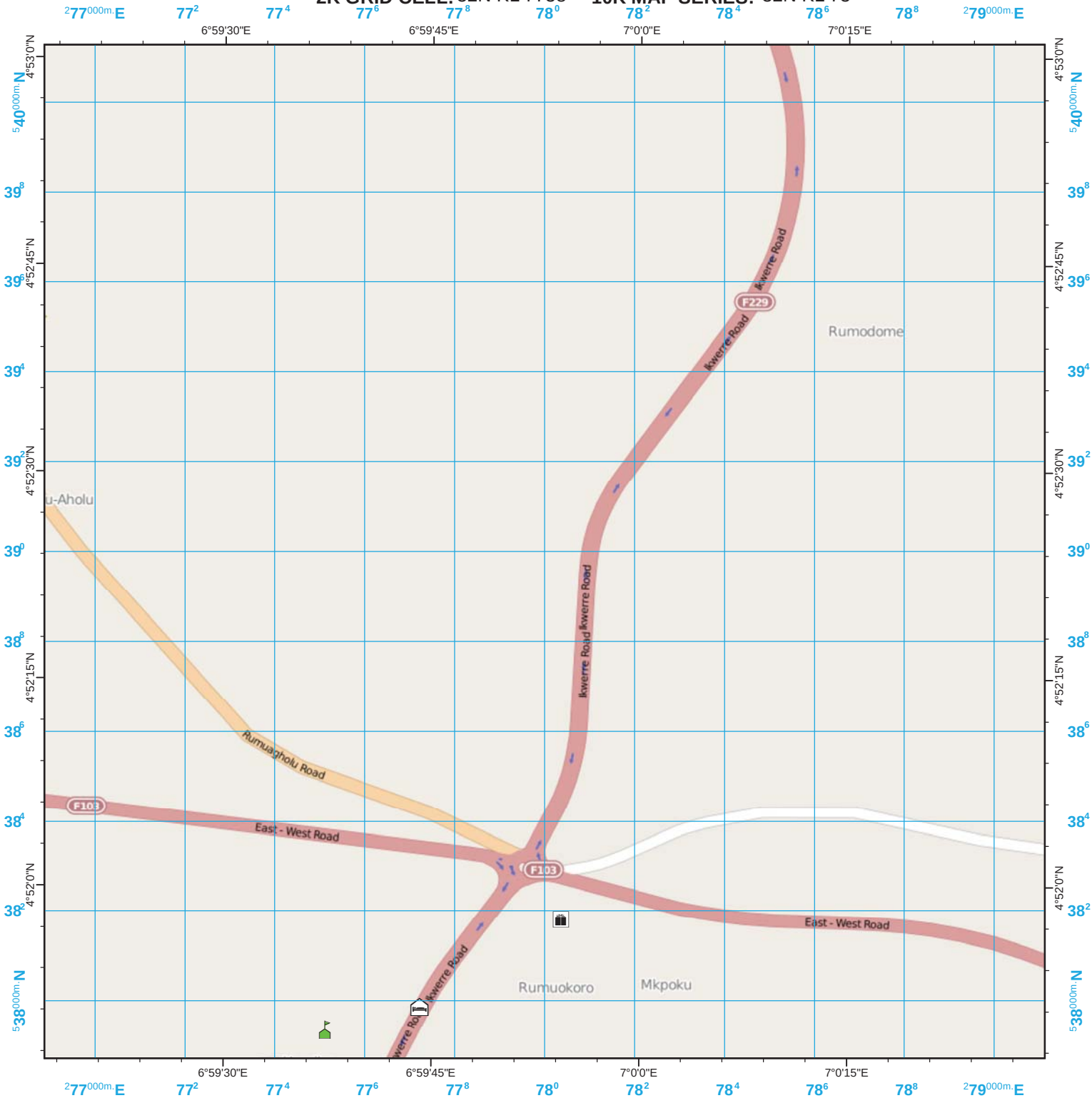

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1:12,000 Scale

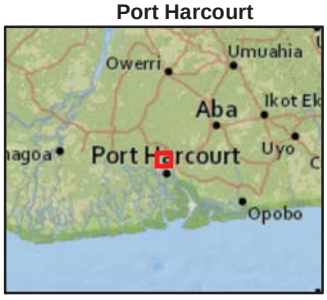
0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
- HOTEL
- MEDICAL SERVICES
- MOSQUE
- PLACE OF WORSHIP
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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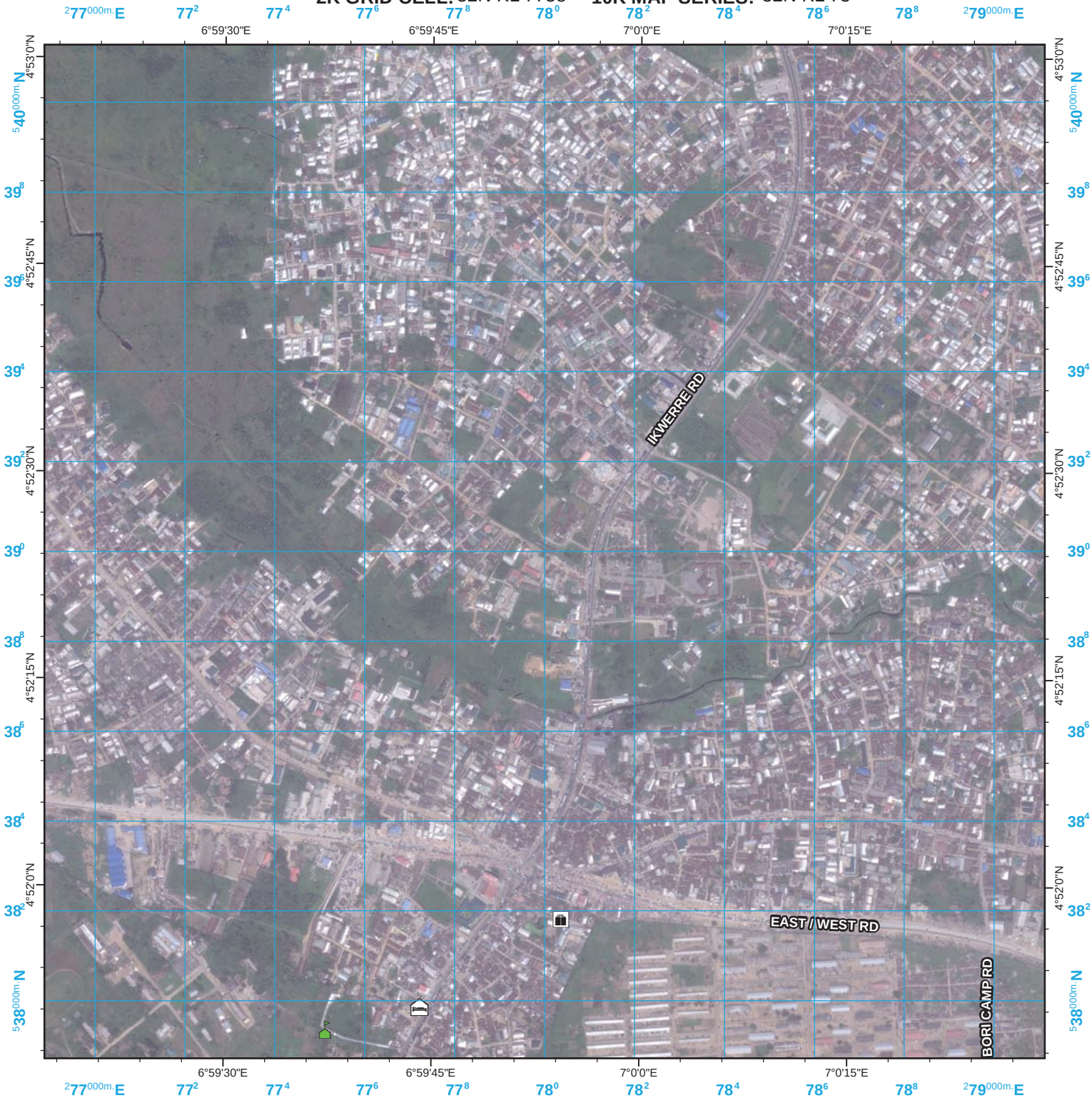
101	102	103	104	105
89	90	91	92	93
77	78	79	80	81
65	66	67	68	69
55	56	57	58	59

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7738 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
Imagery: ©2013 DigitalGlobe
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
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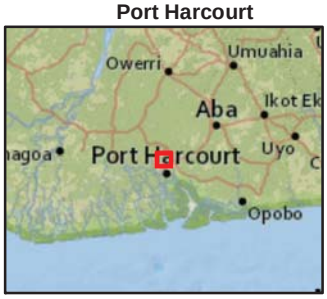
Port Harcourt



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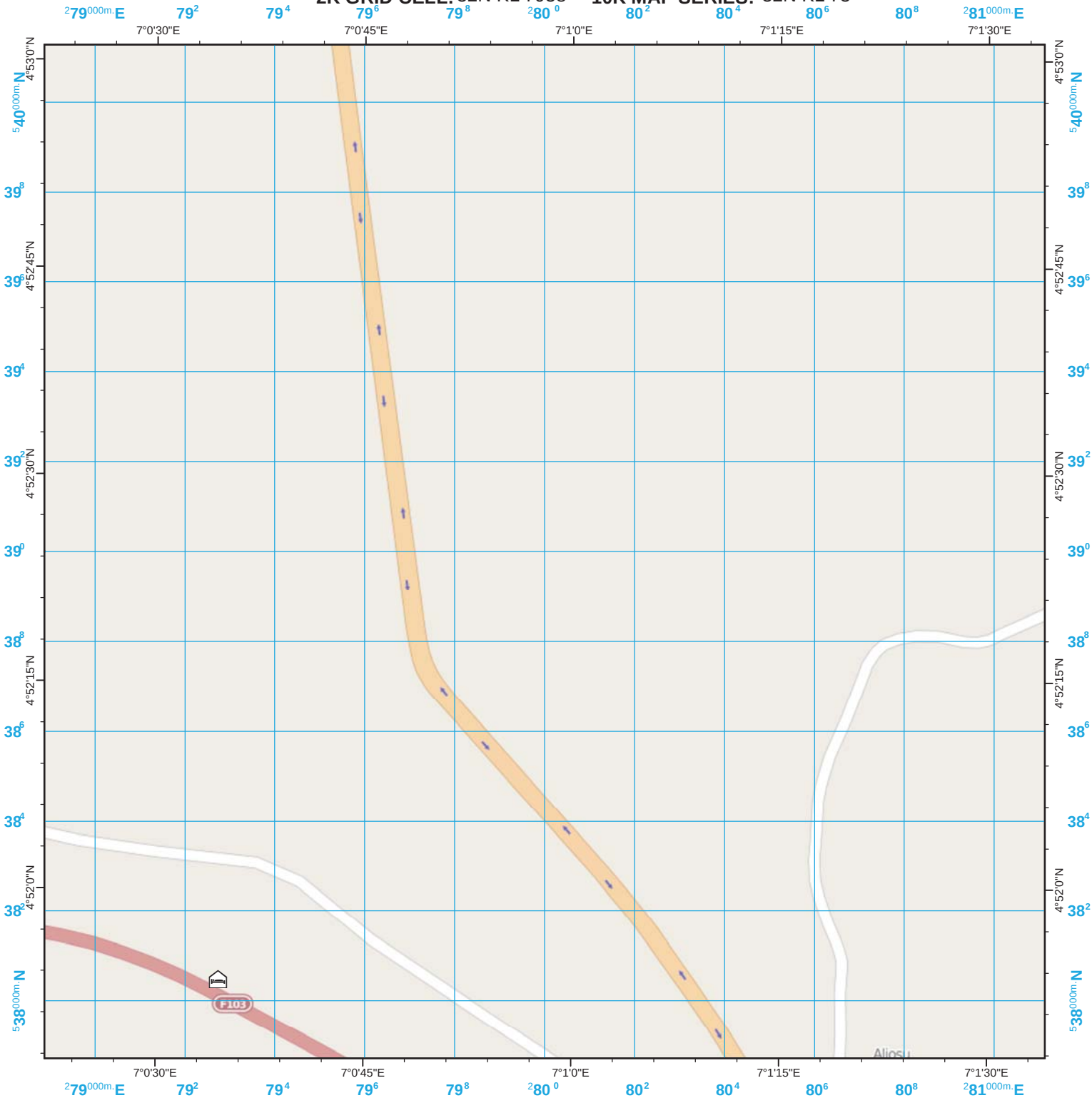
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7938 **10K MAP SERIES:** 32N KL 73



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KL
Grid Zone Designation
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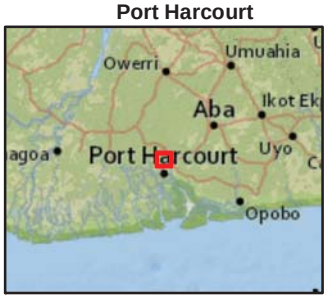

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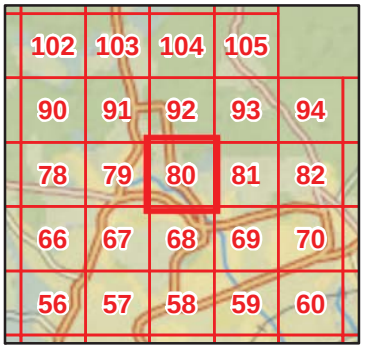
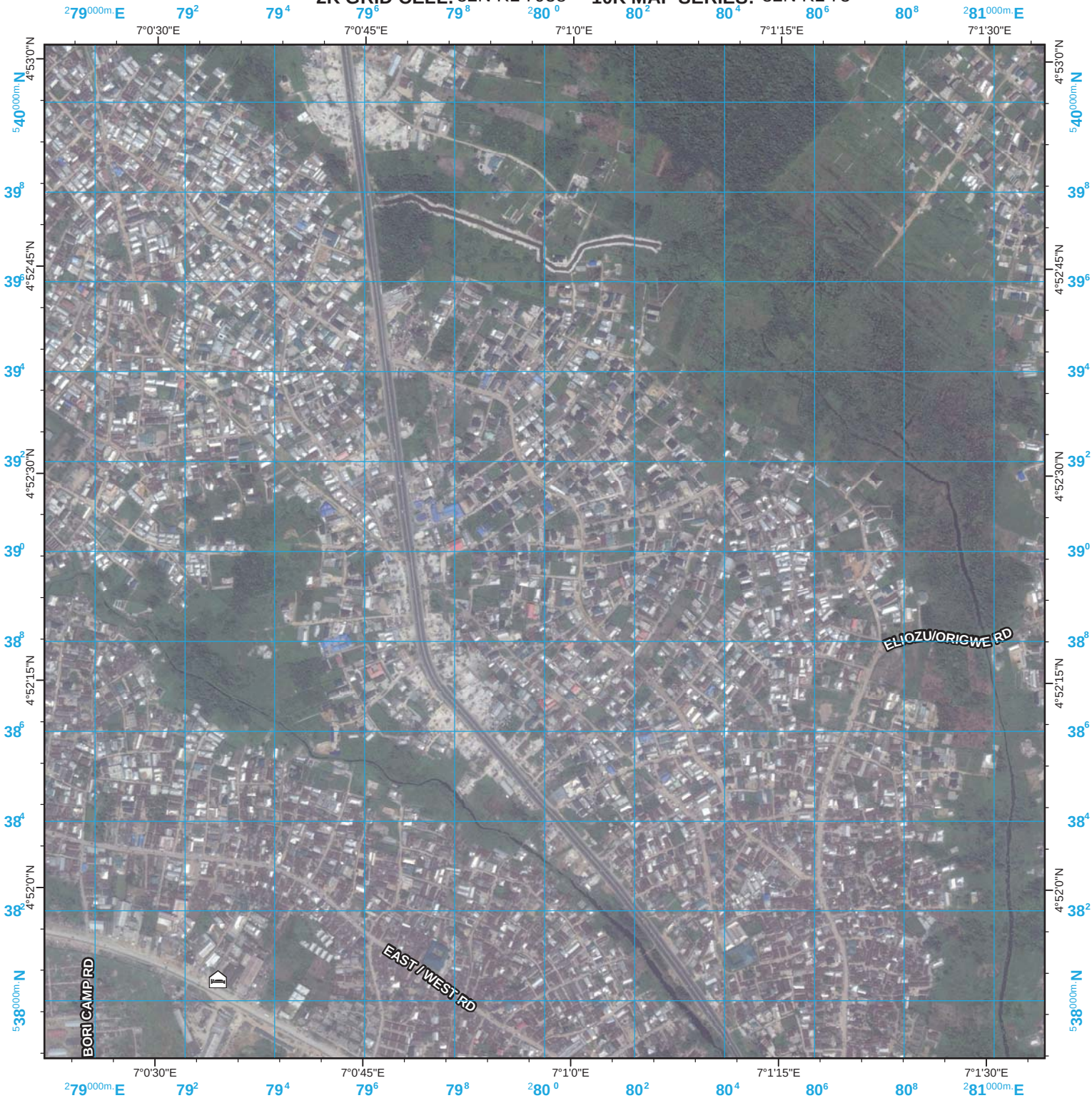


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7938 **10K MAP SERIES:** 32N KL 73



2000-m cell, 200-m grid, MGRS
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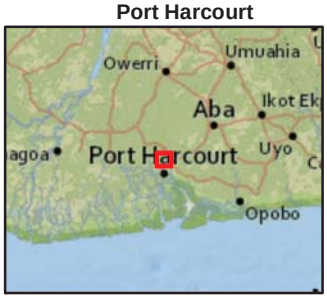

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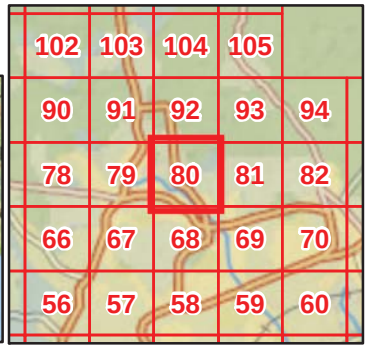

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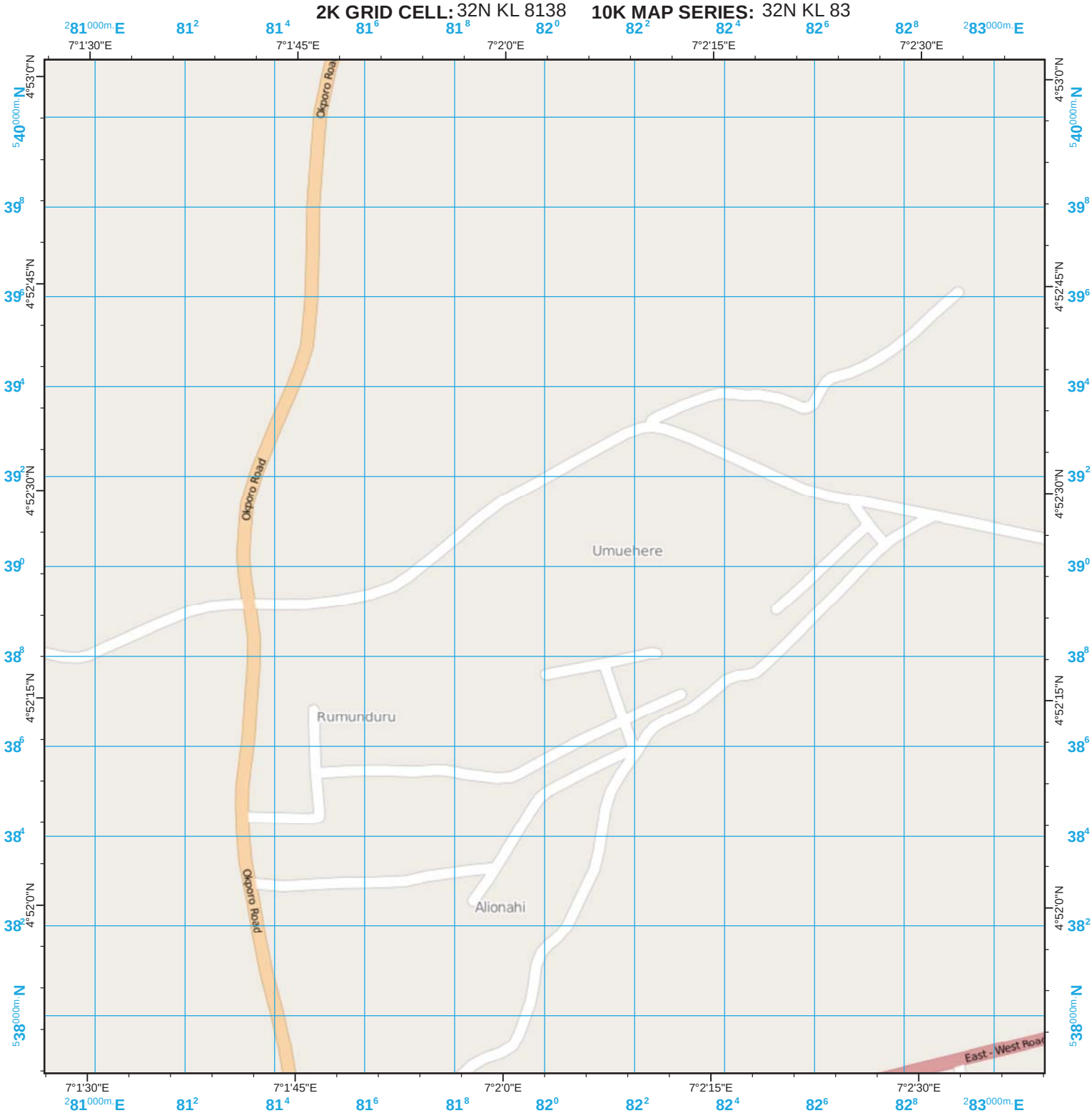
2K GRID CELL: 32N KL 8138 **10K MAP SERIES:** 32N KL 83



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World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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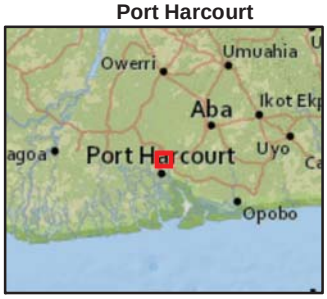

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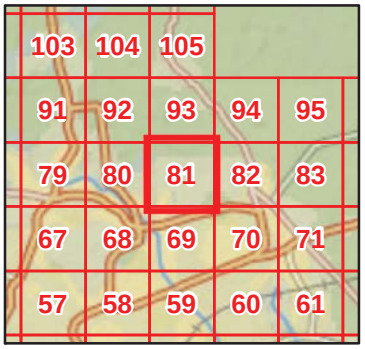

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2K GRID CELL: 32N KL 8138 **10K MAP SERIES:** 32N KL 83

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100,000-m Square Grid: KL
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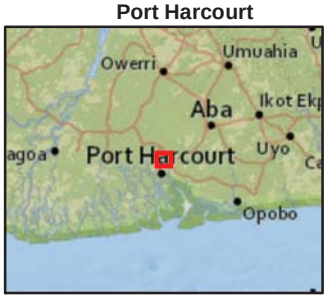

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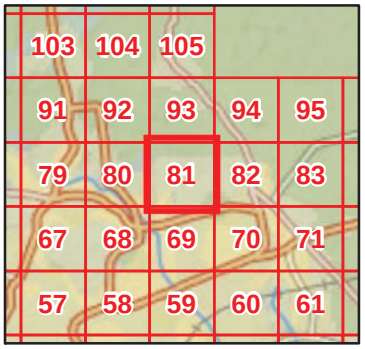
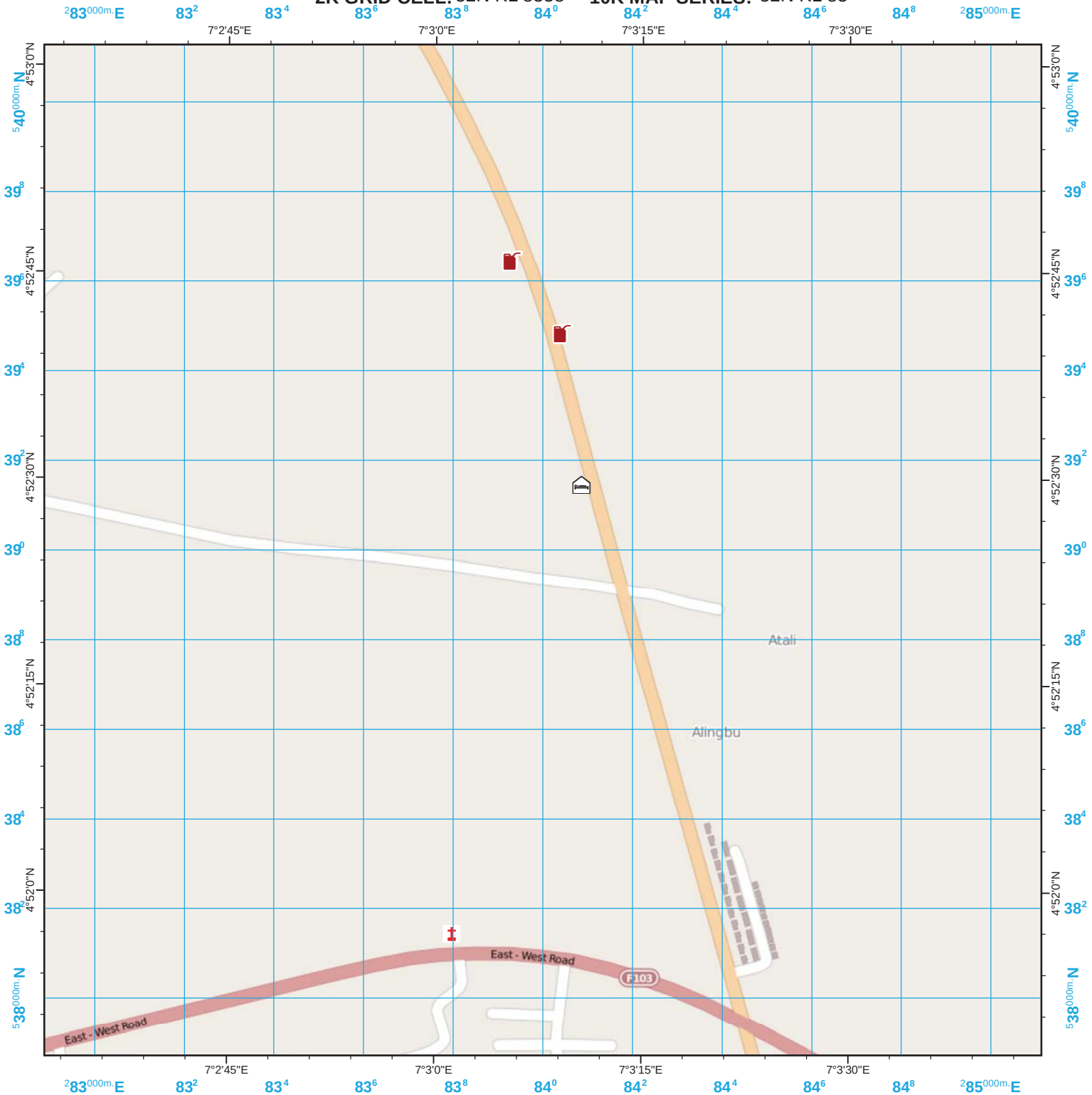


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8338 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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1:12,000 Scale

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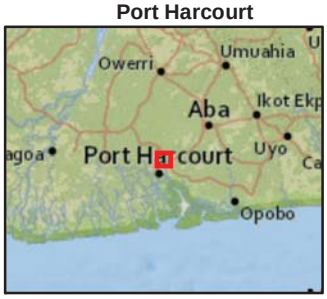
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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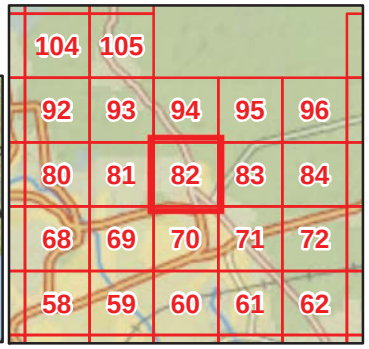

MGRS
100,000-m Square Grid: KL
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- AIRPORT
- BANK
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- COMMUNITY CENTER
- COURT
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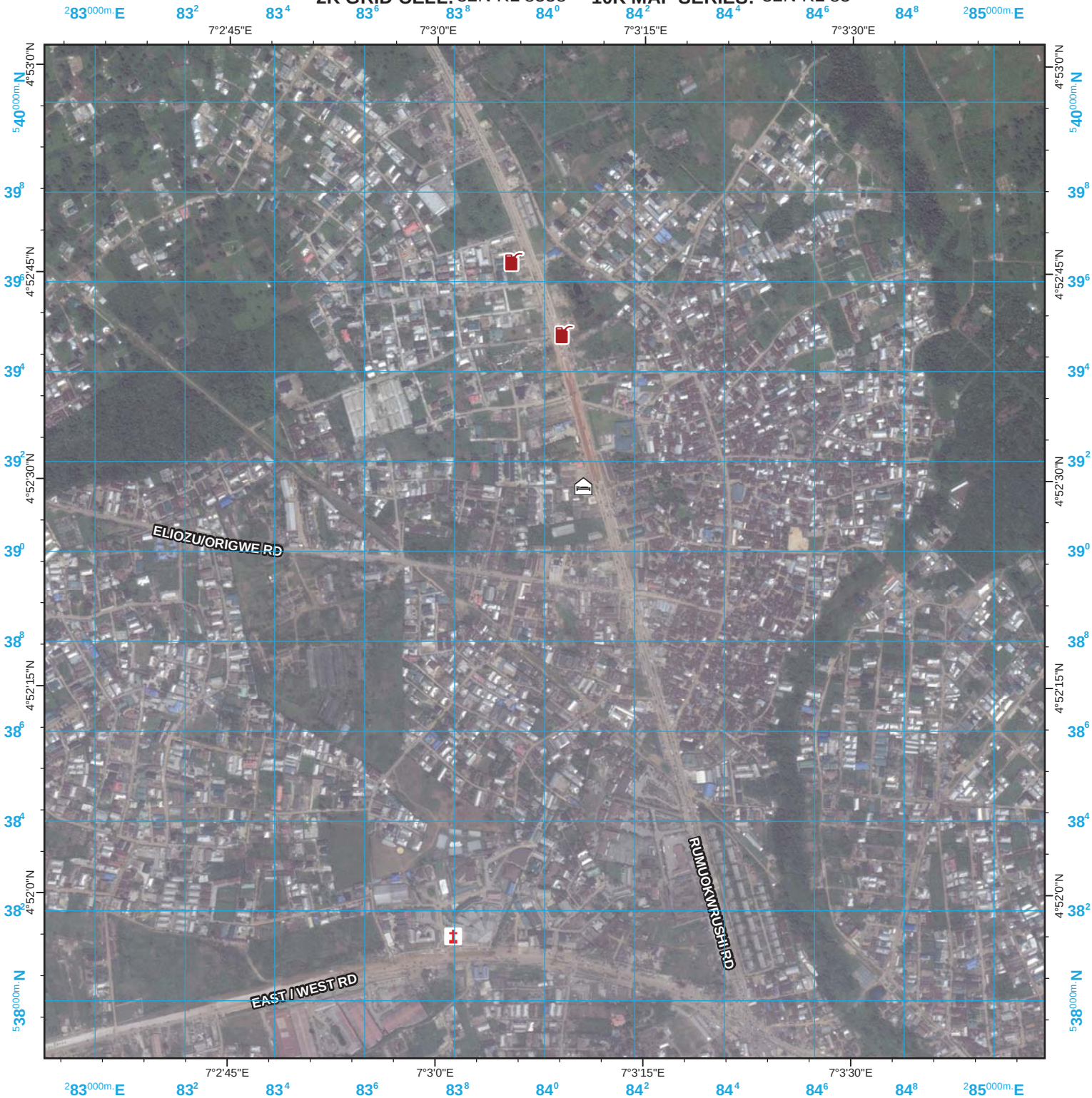
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8338 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
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100,000-m Square Grid: KL
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0 50 100 200 300 400 500 Meters
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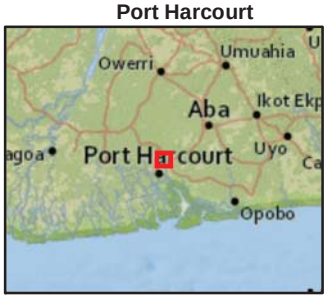
Port Harcourt



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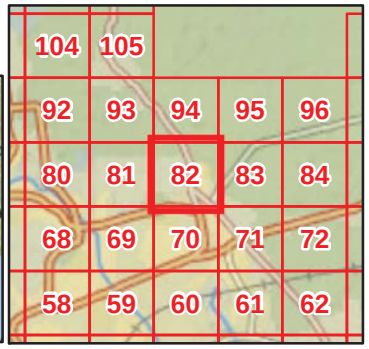
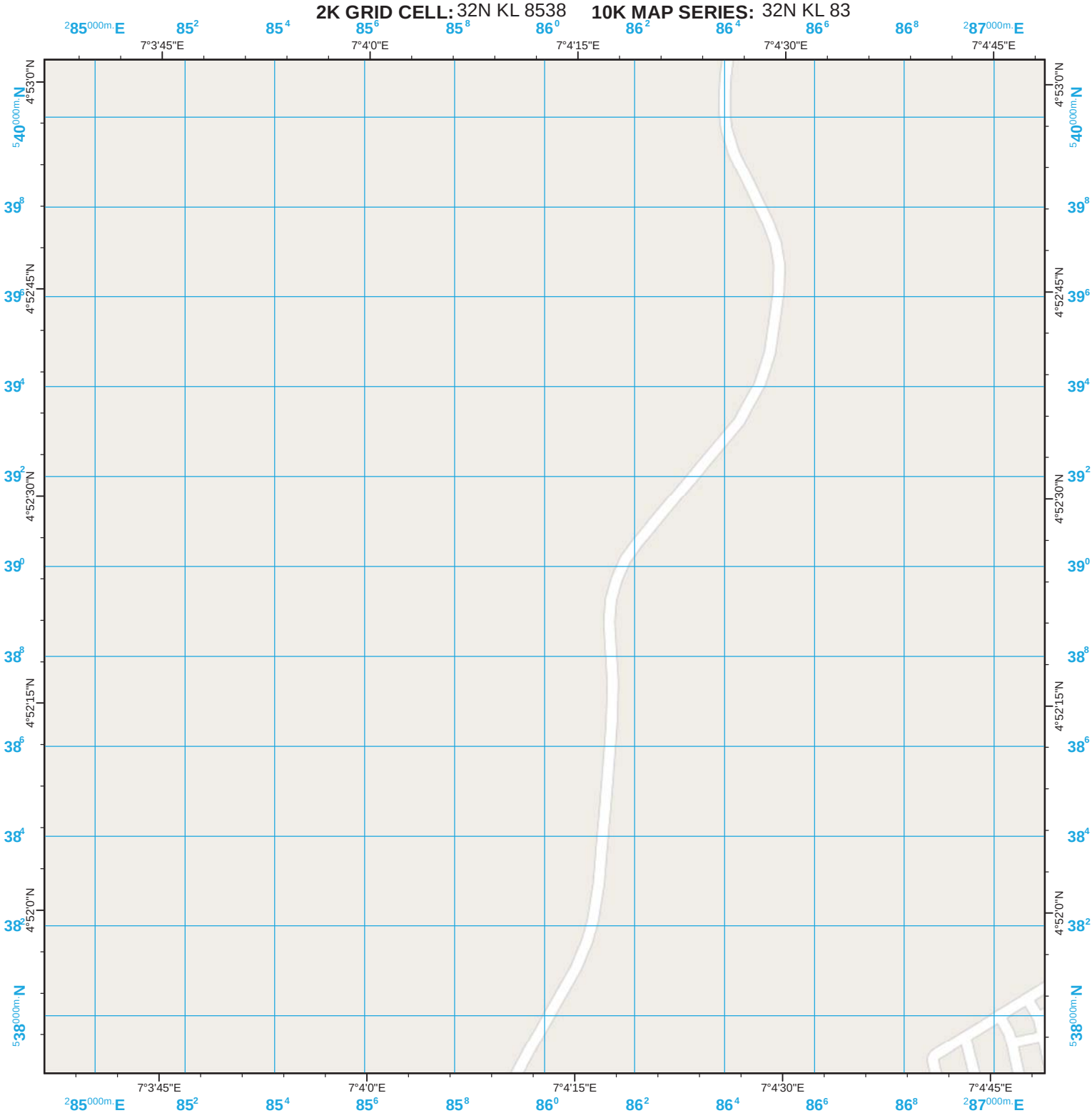


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8538 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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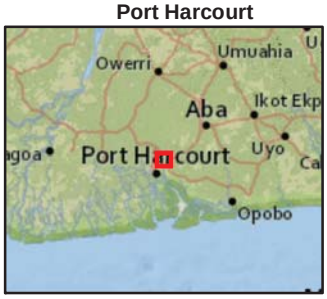

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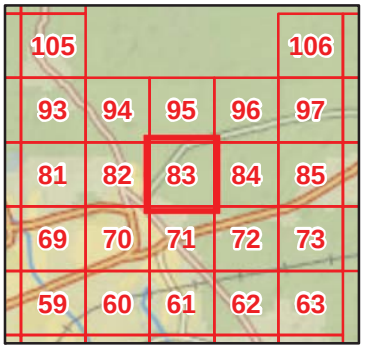
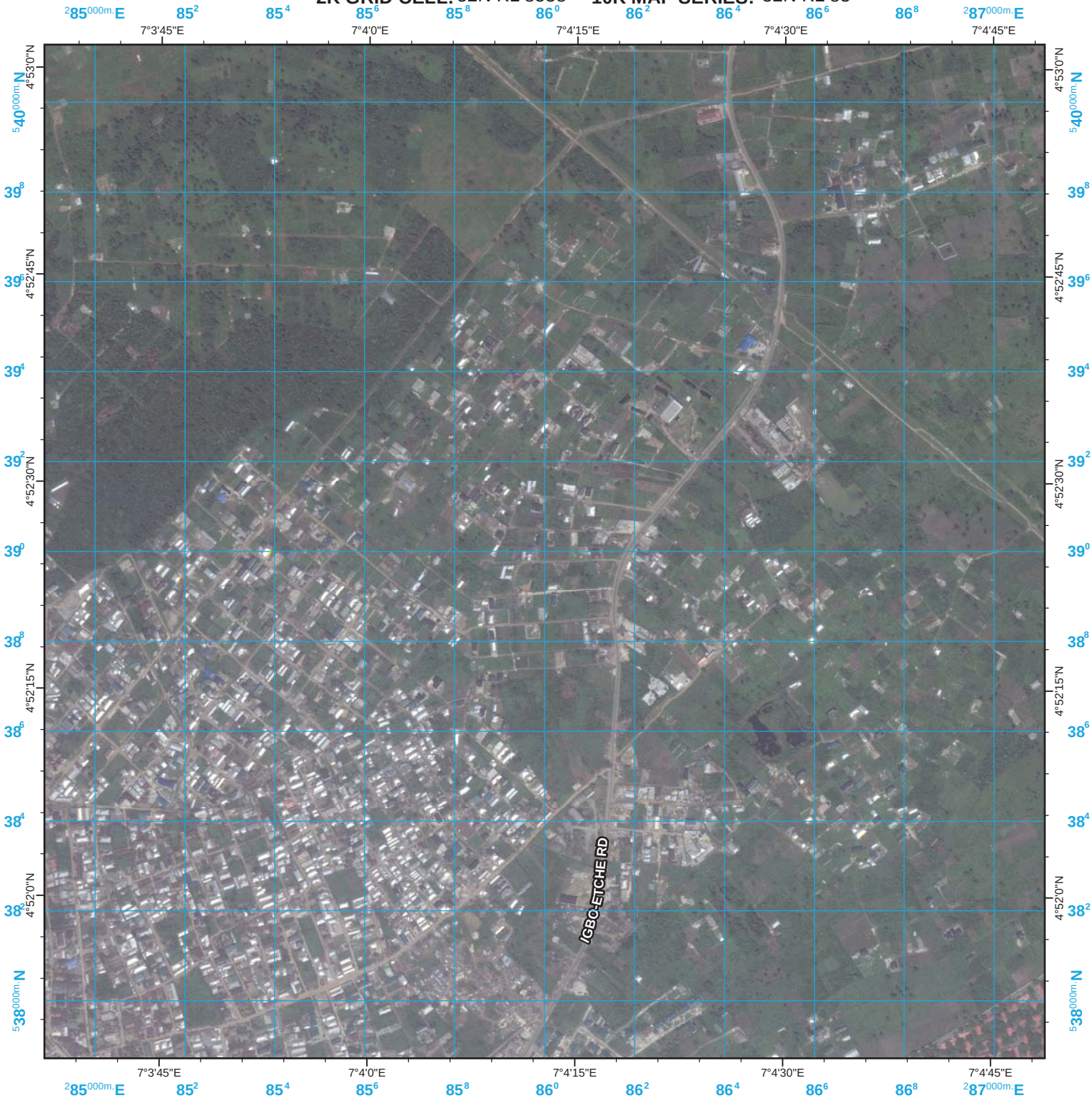


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8538 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
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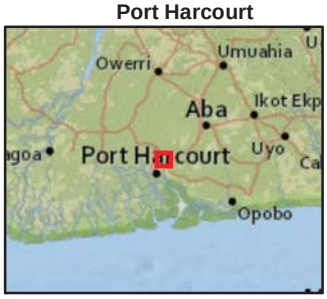

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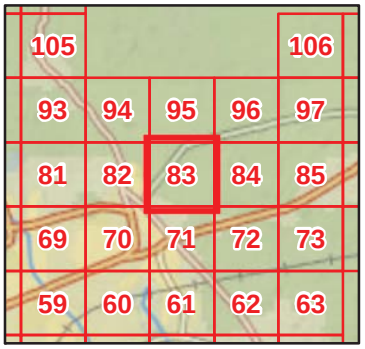
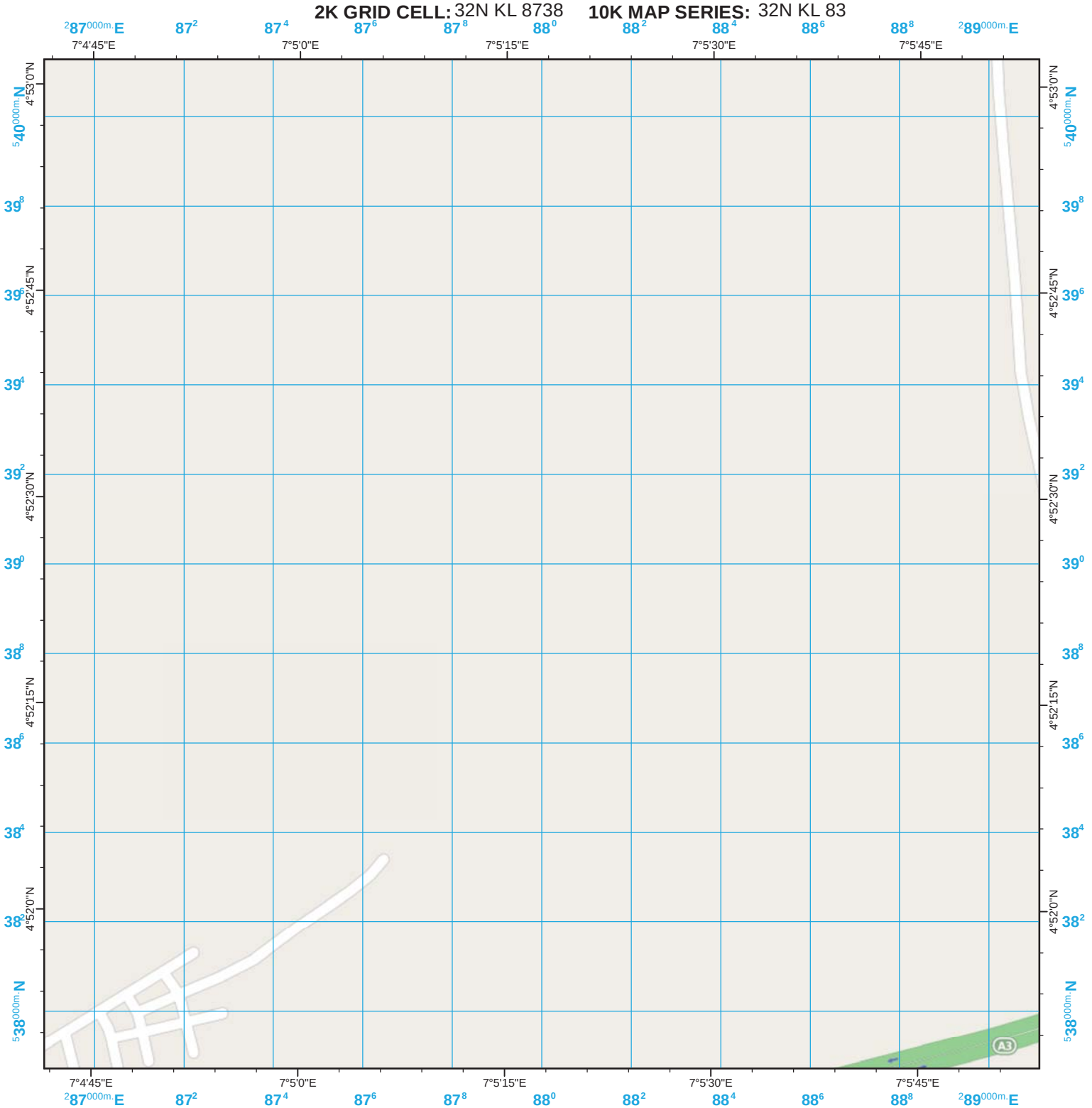


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8738 **10K MAP SERIES:** 32N KL 83



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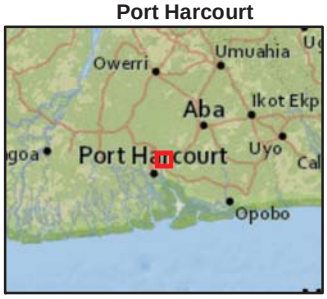

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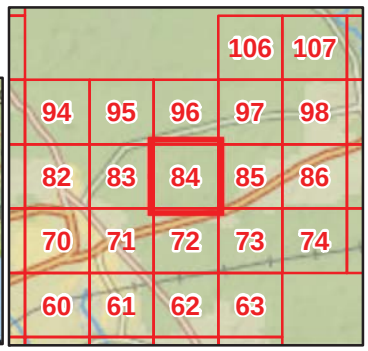

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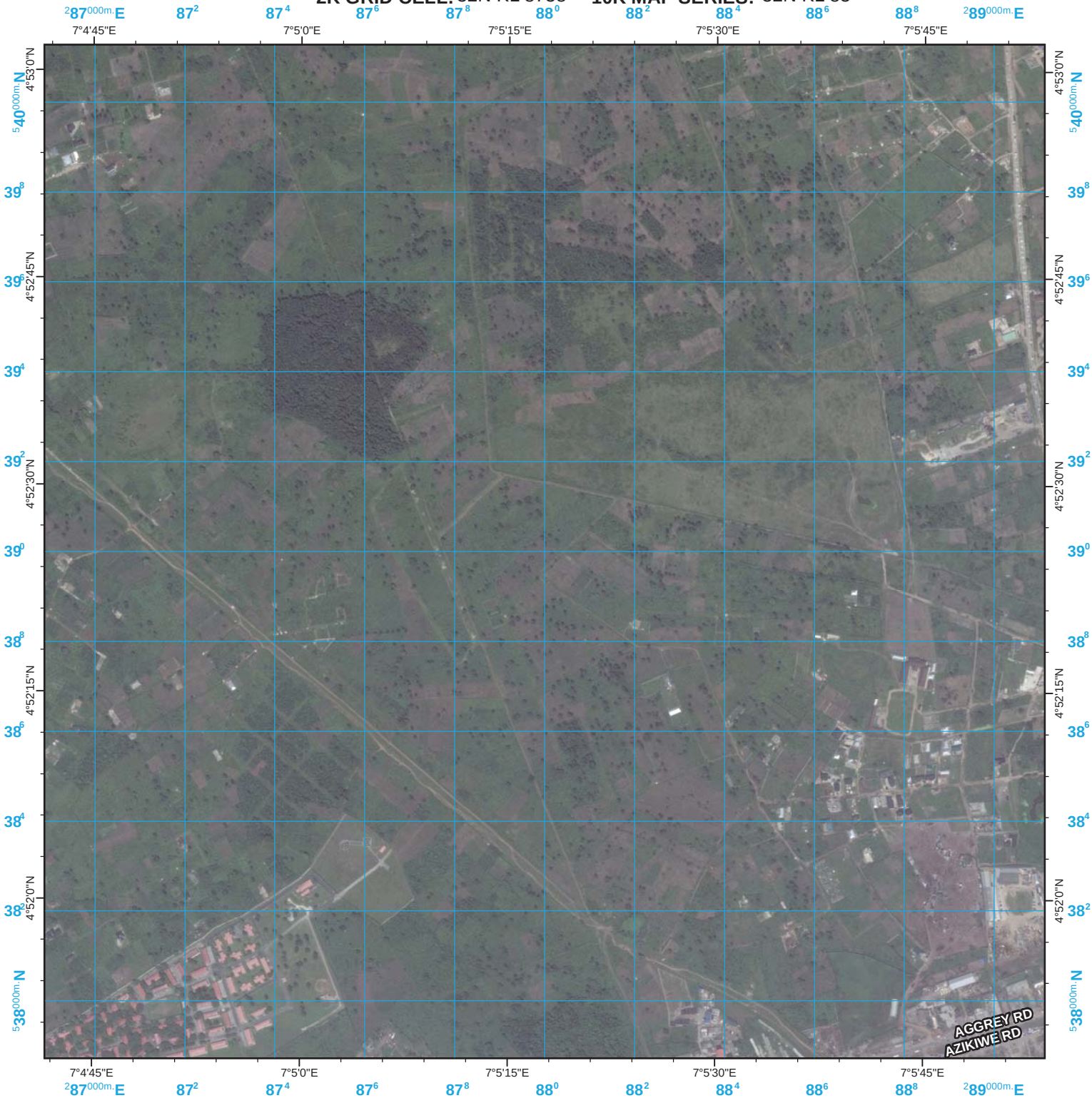
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8738 **10K MAP SERIES:** 32N KL 83



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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- CEMETERY
- CINEMA
- COMMUNITY CENTER
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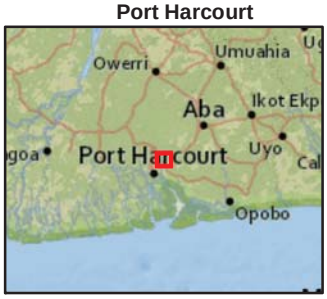
Port Harcourt



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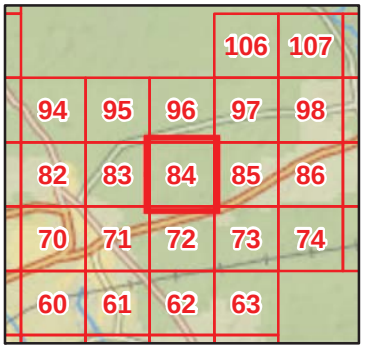
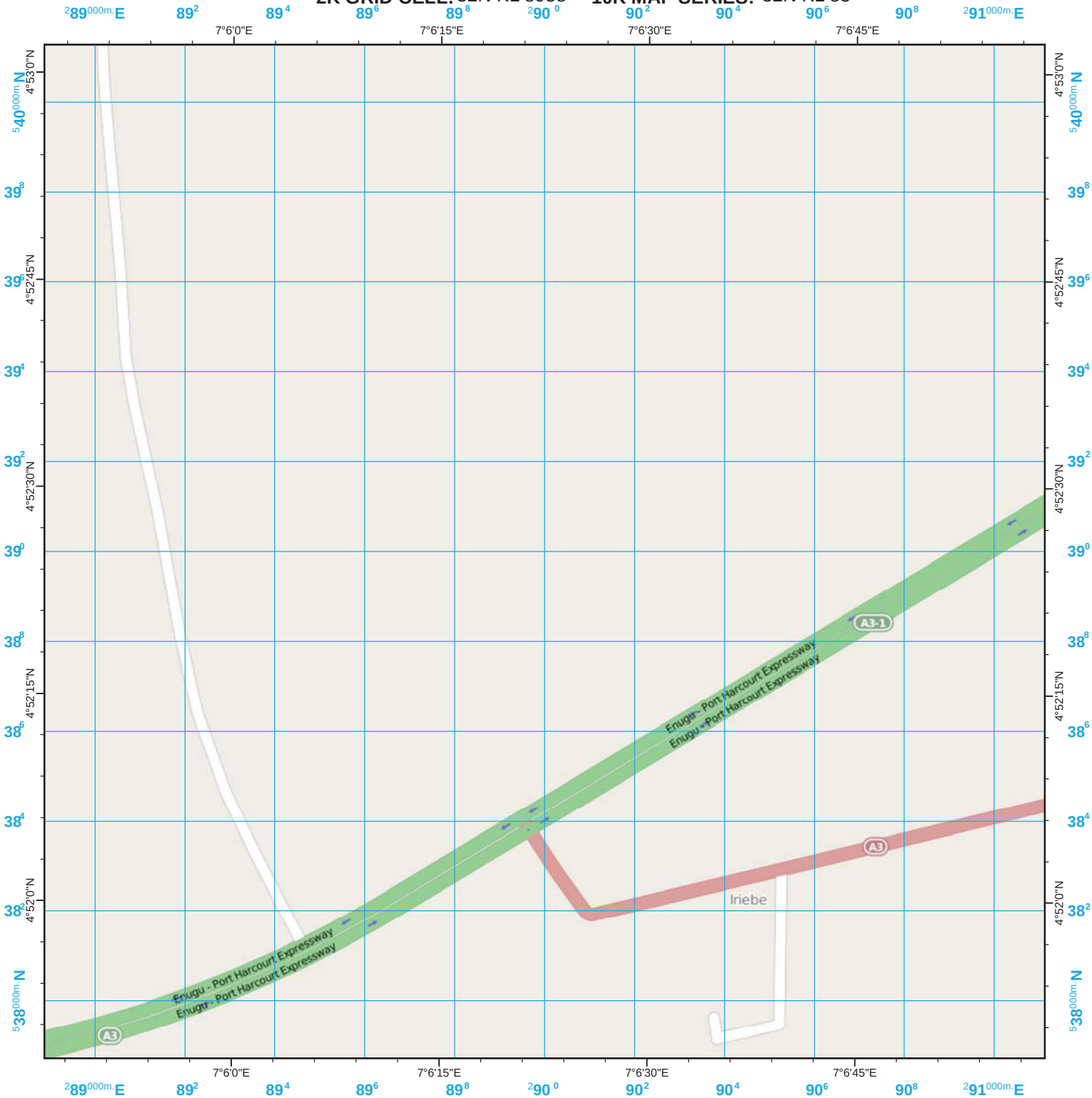


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8938 **10K MAP SERIES:** 32N KL 83



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
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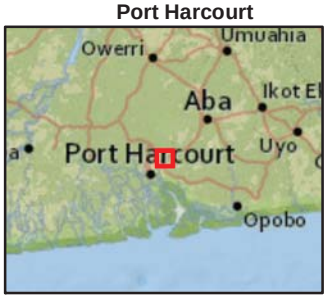

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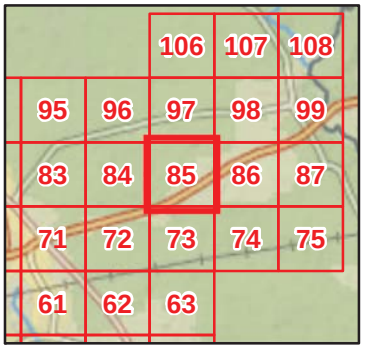
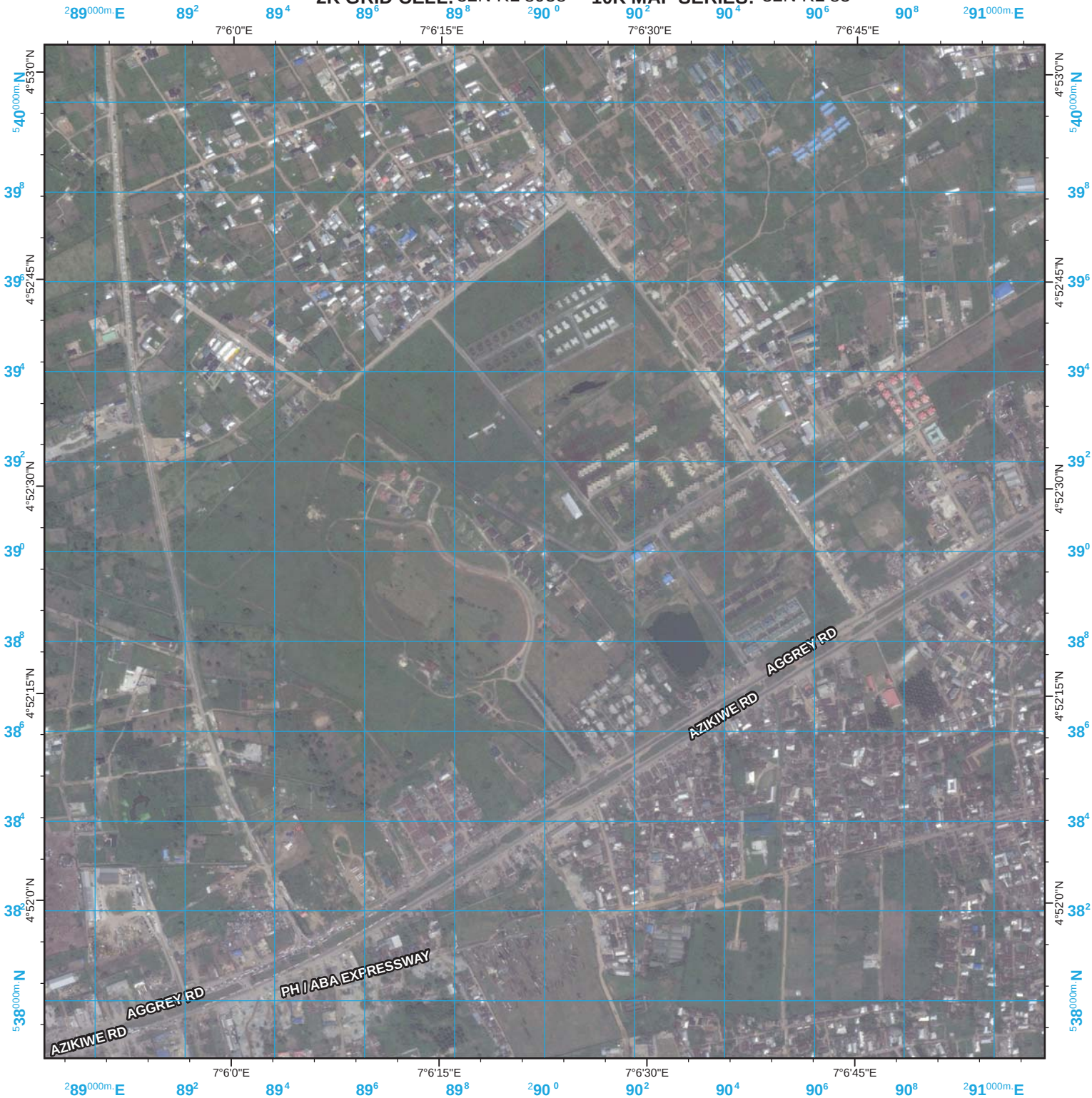


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8938 **10K MAP SERIES:** 32N KL 83



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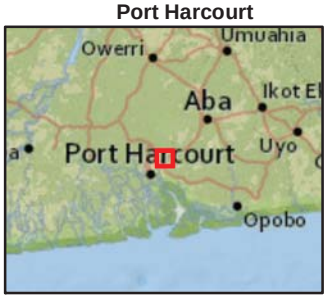

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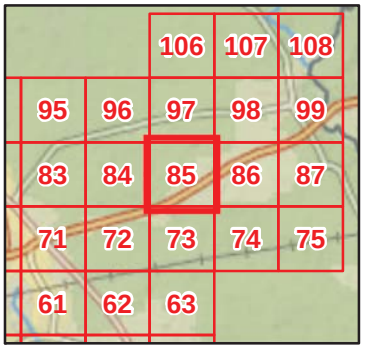
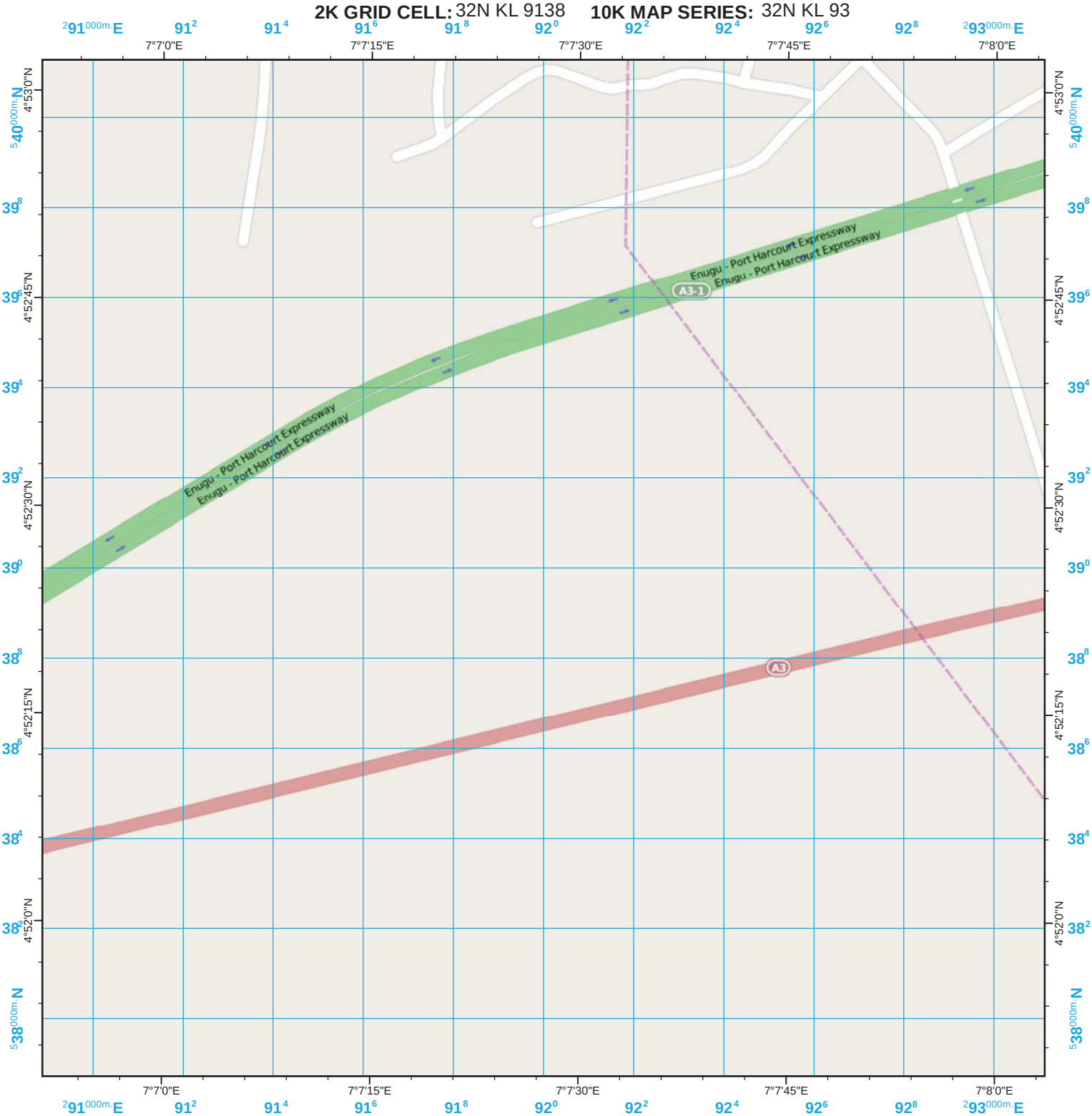


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9138 **10K MAP SERIES:** 32N KL 93



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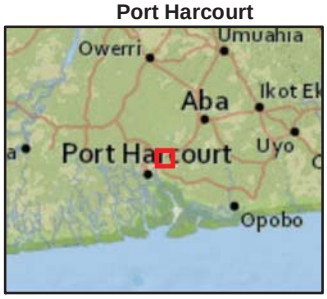

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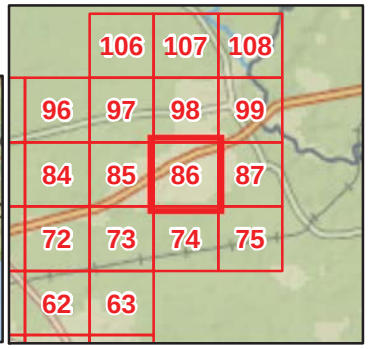
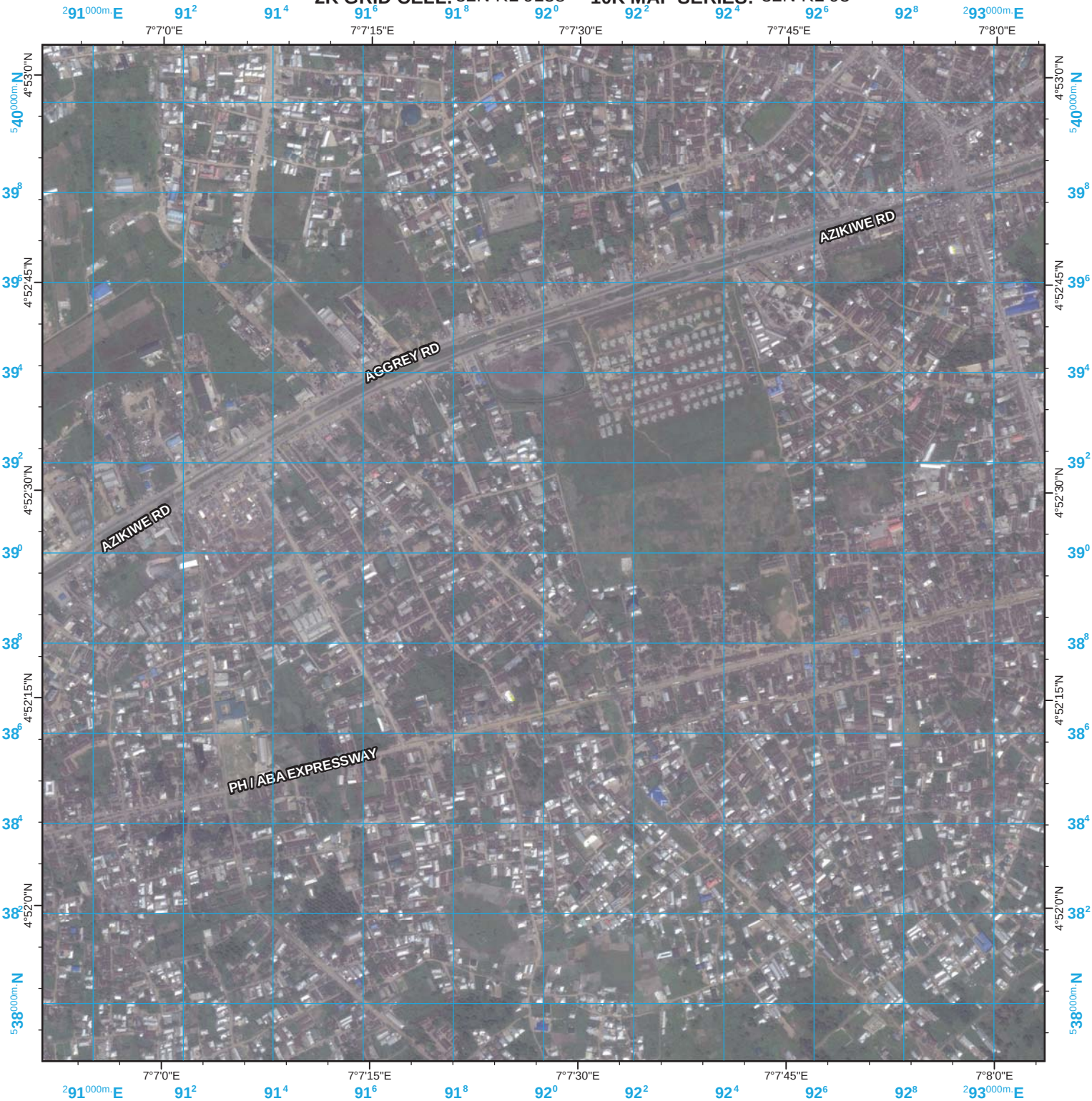


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9138 **10K MAP SERIES:** 32N KL 93



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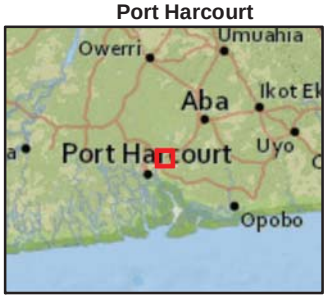

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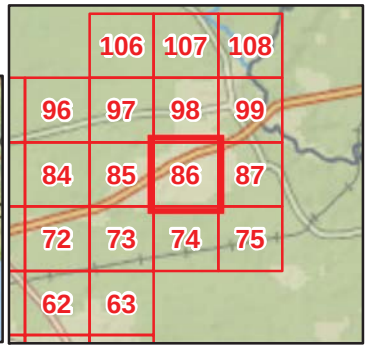
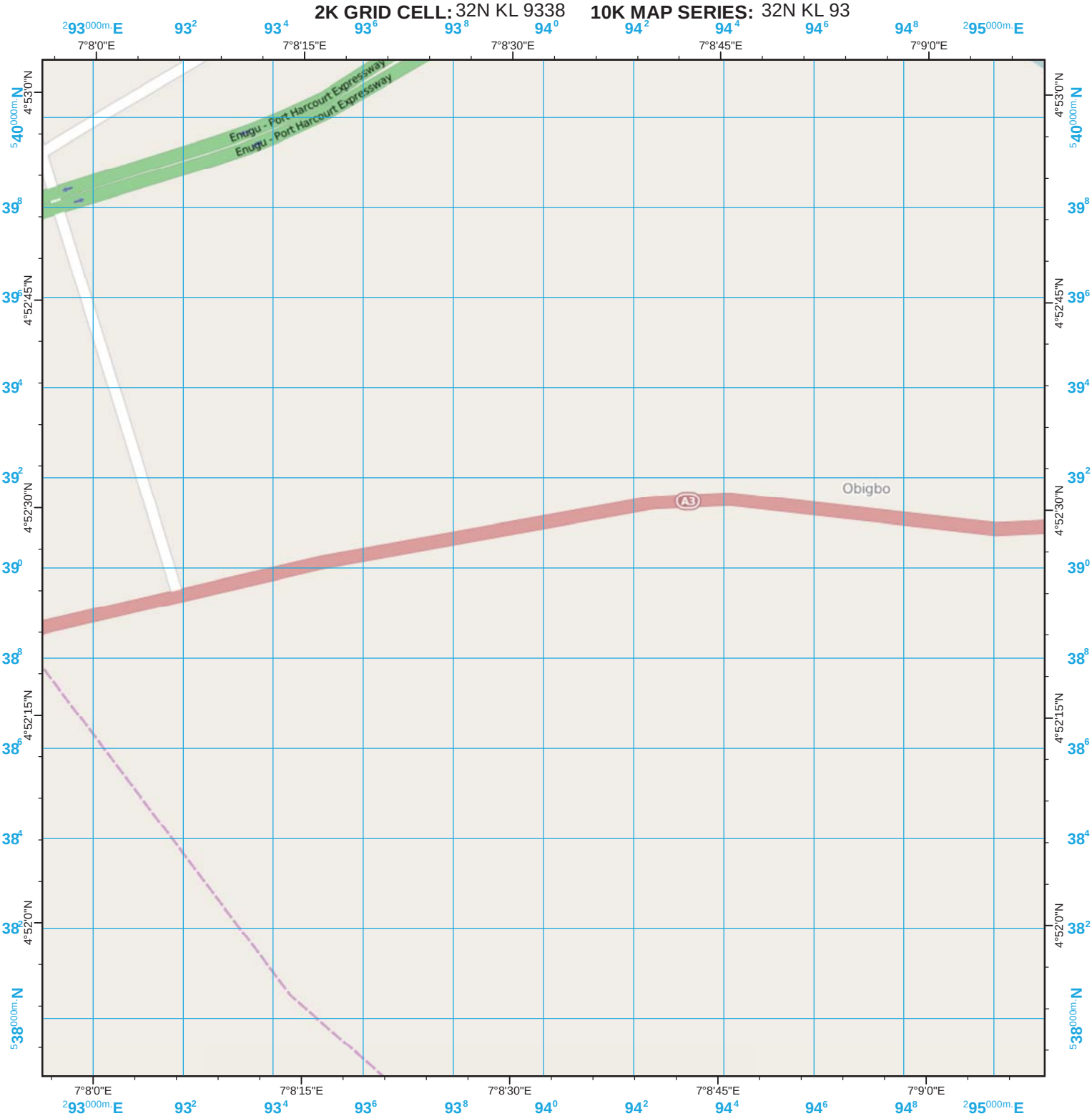


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9338 **10K MAP SERIES:** 32N KL 93



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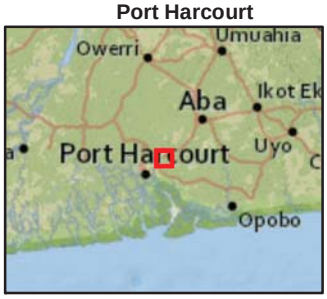
Port Harcourt



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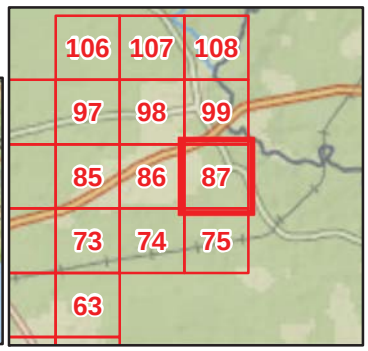
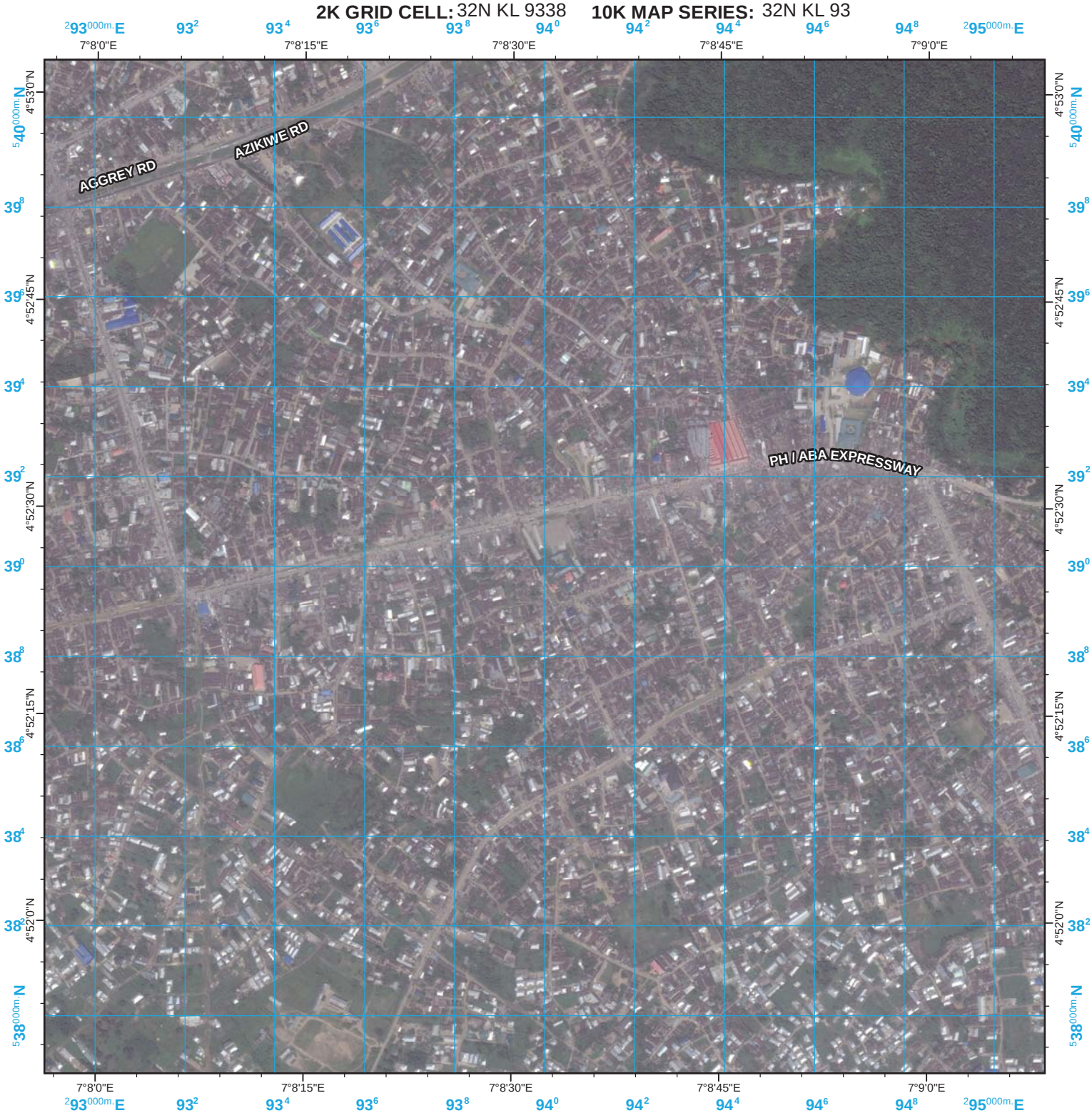


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9338 **10K MAP SERIES:** 32N KL 93



2000-m cell, 200-m grid, MGRS
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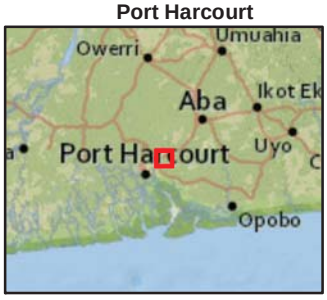
Port Harcourt



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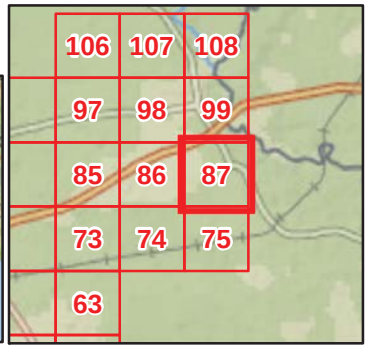

PORT HARCOURT, NIGERIA

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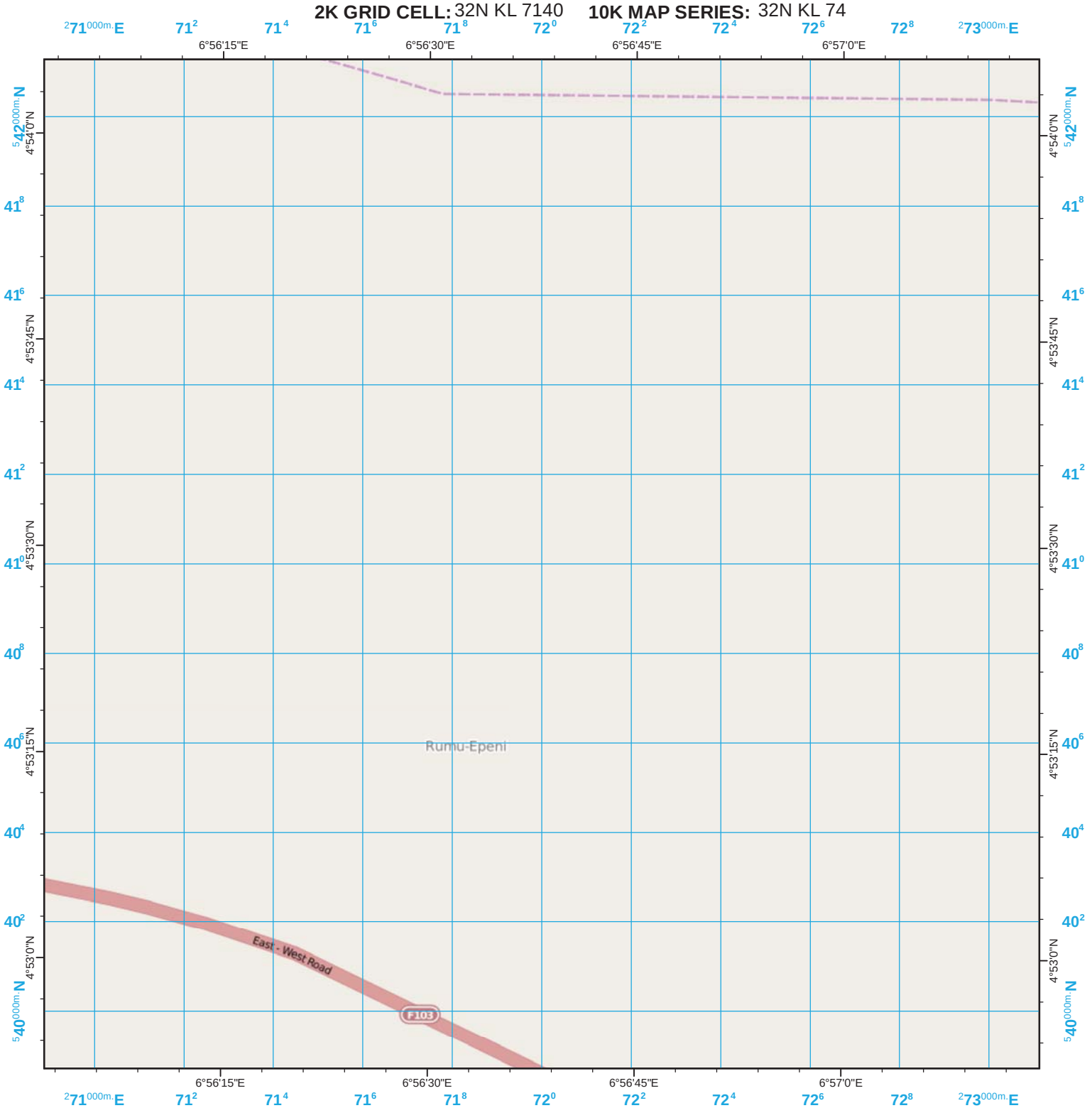

2000-m cell, 200-m grid, MGRS
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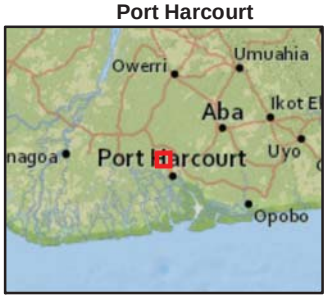

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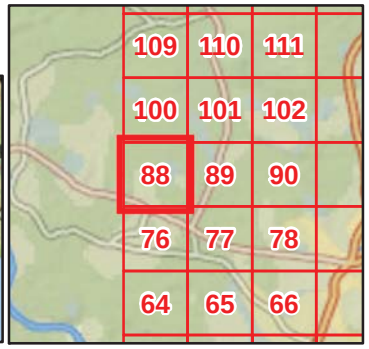
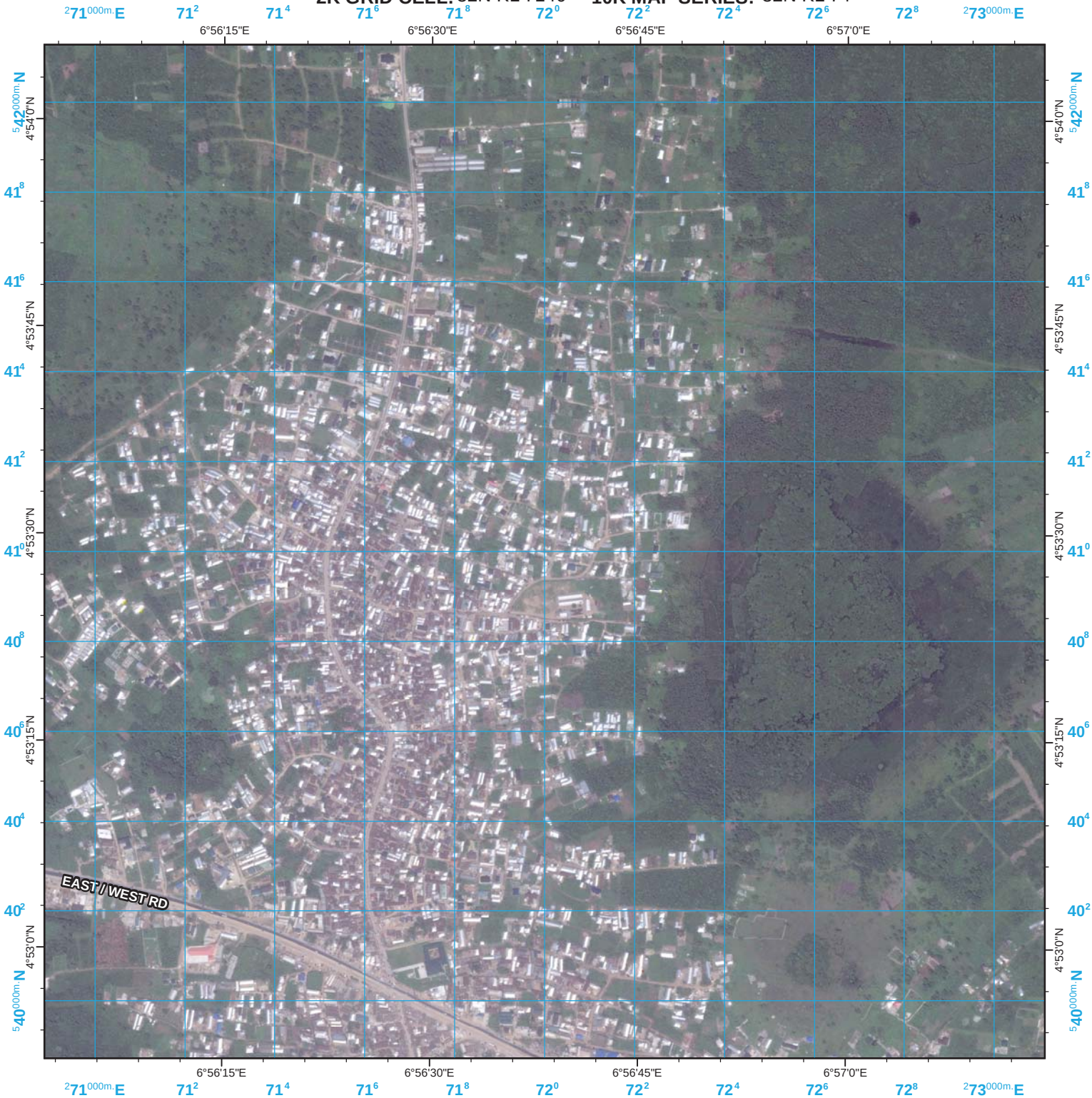


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7140 **10K MAP SERIES:** 32N KL 74



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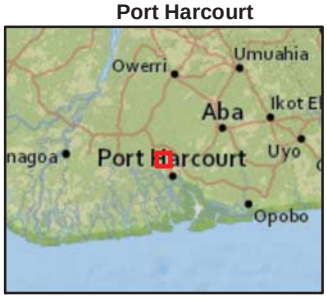

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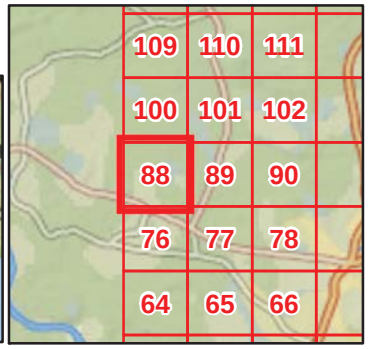

PORT HARCOURT, NIGERIA

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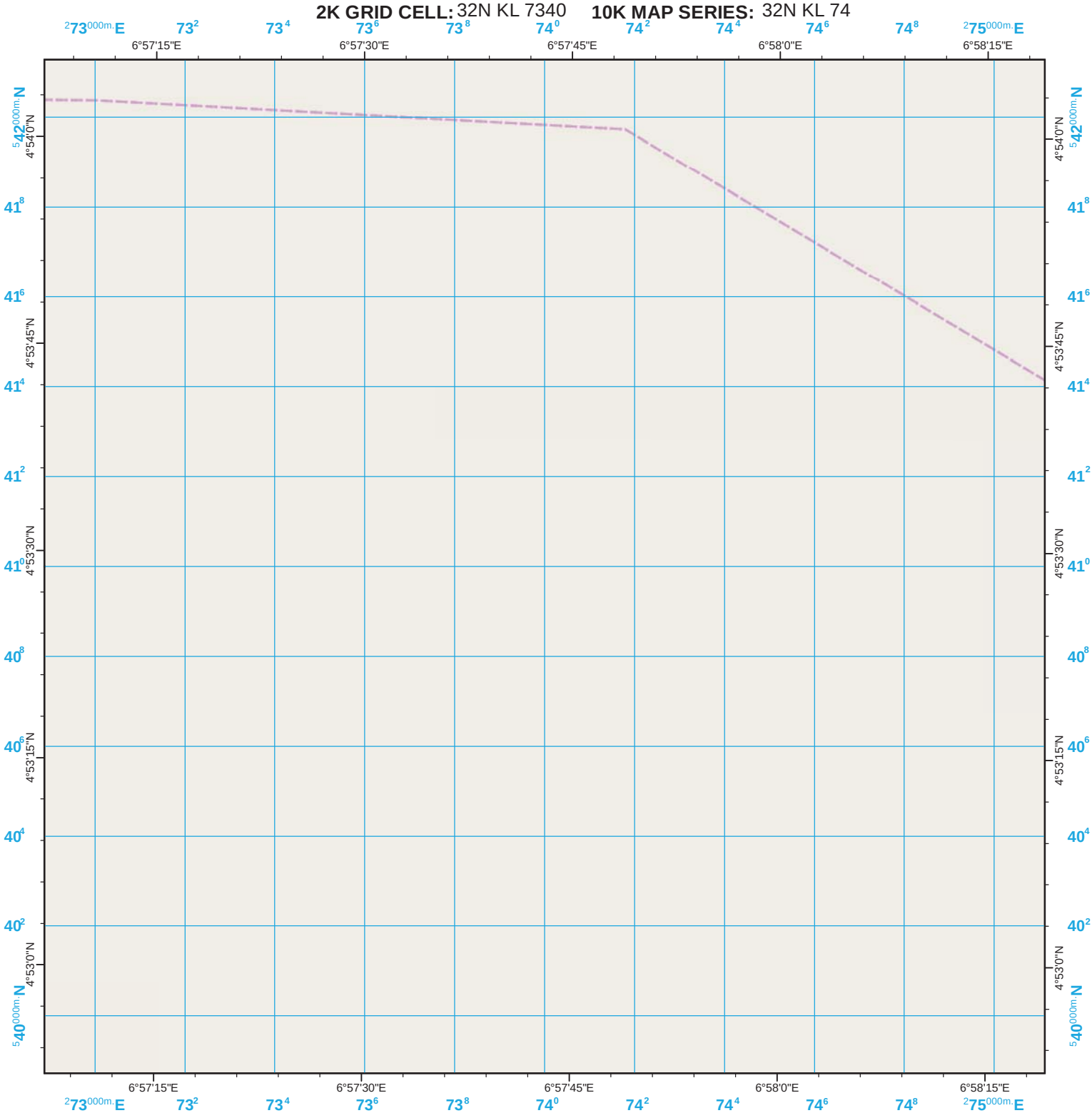

2000-m cell, 200-m grid, MGRS
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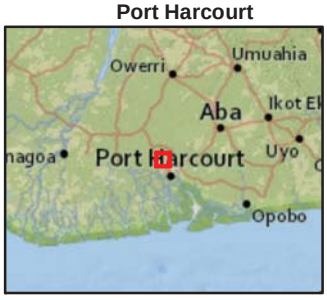

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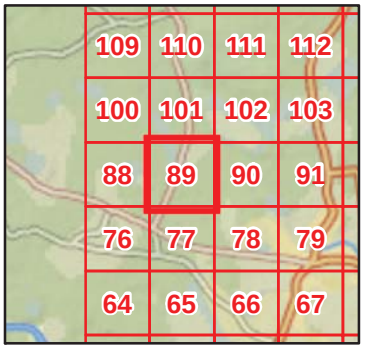
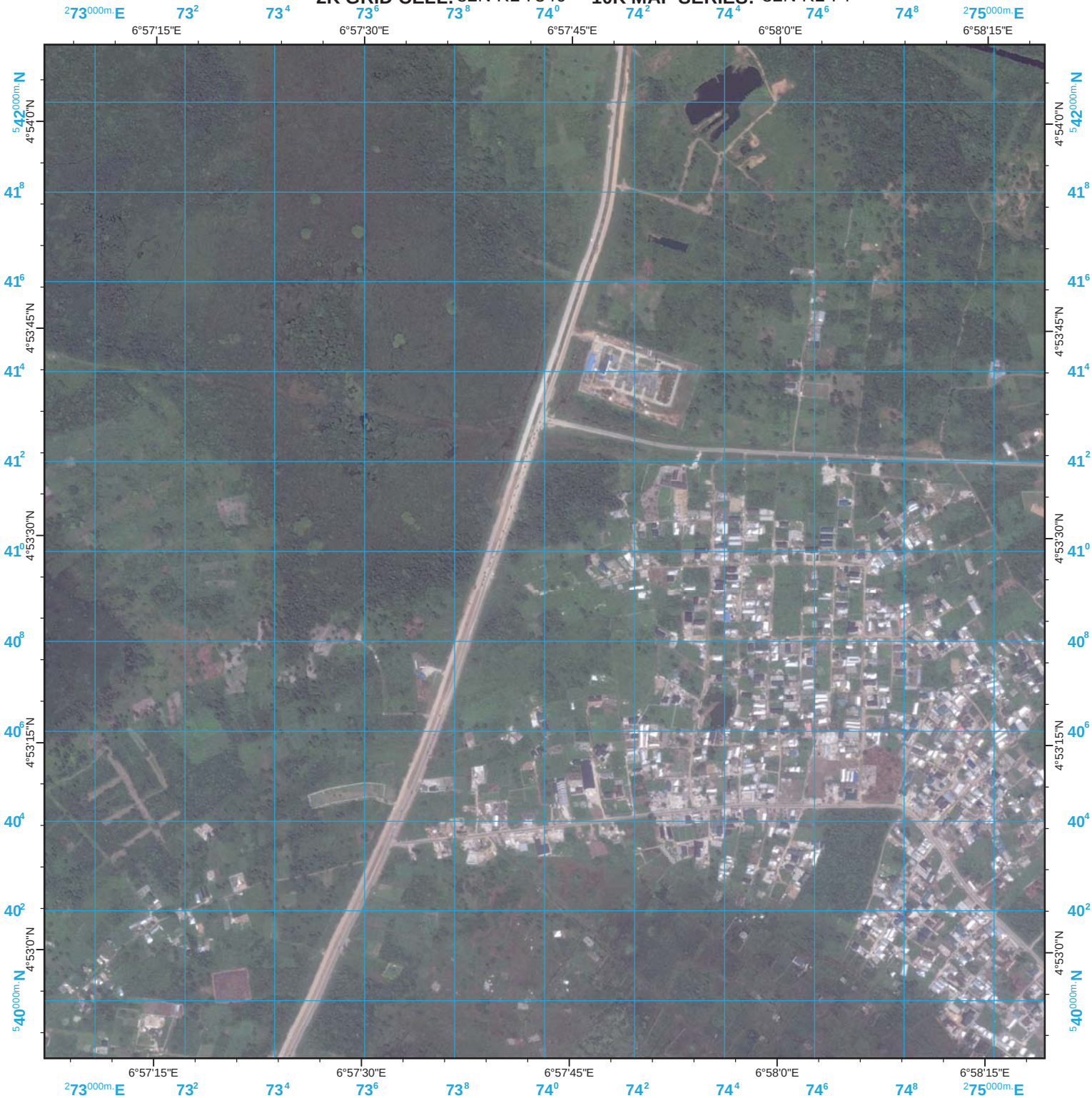


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7340 **10K MAP SERIES:** 32N KL 74



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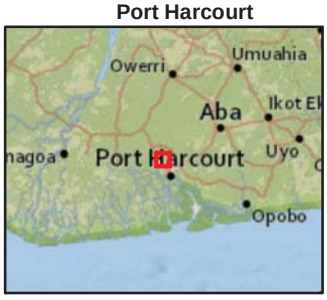

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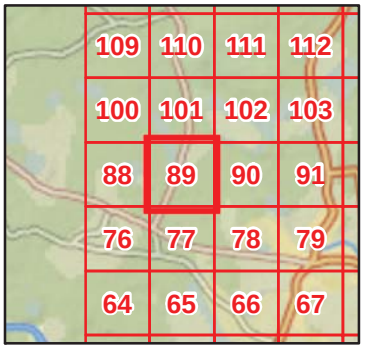
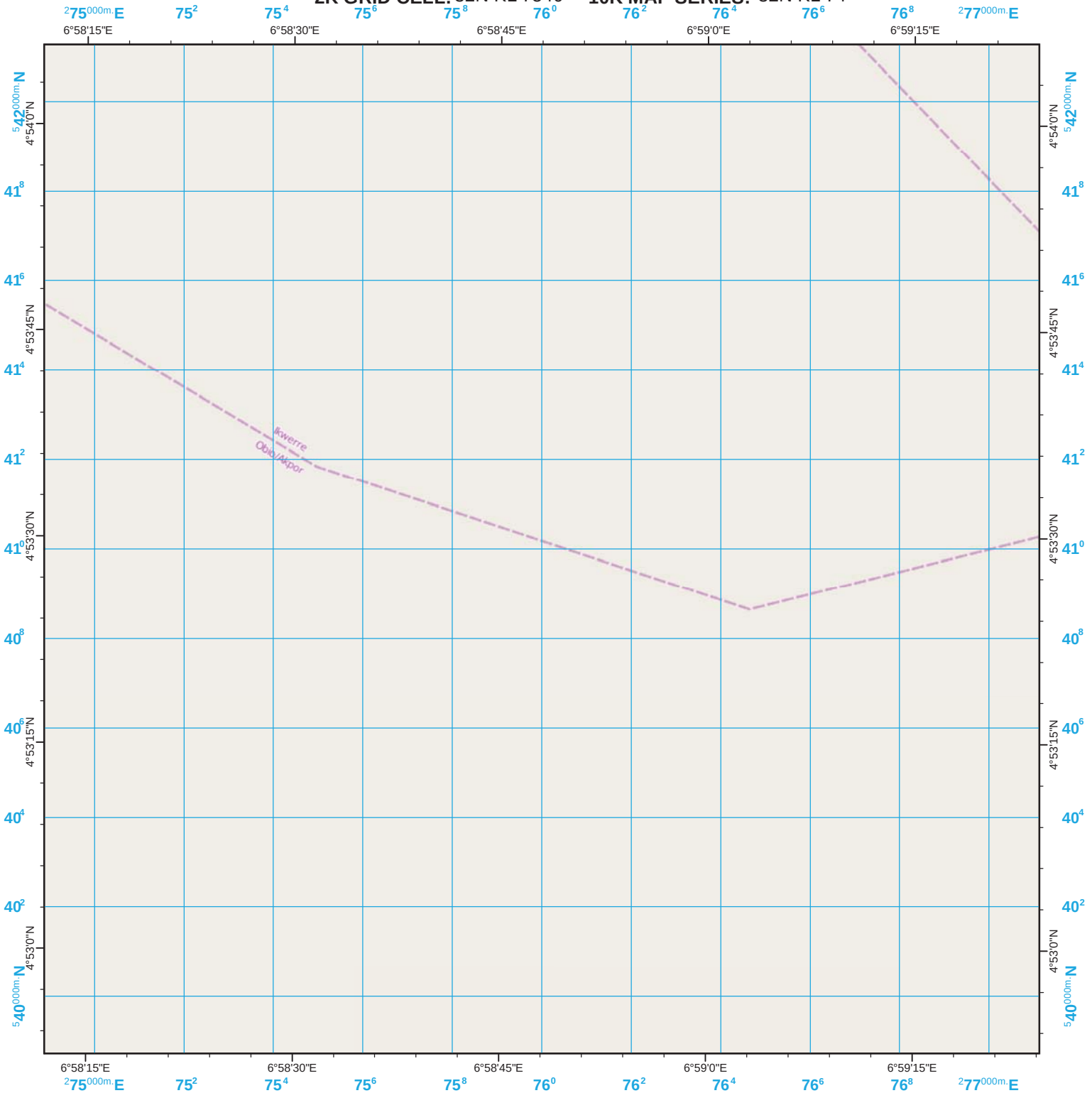


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7540 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
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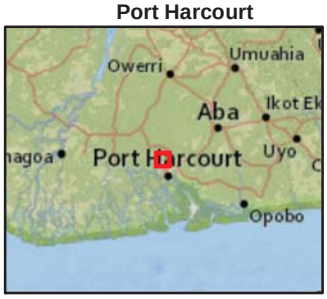
Port Harcourt



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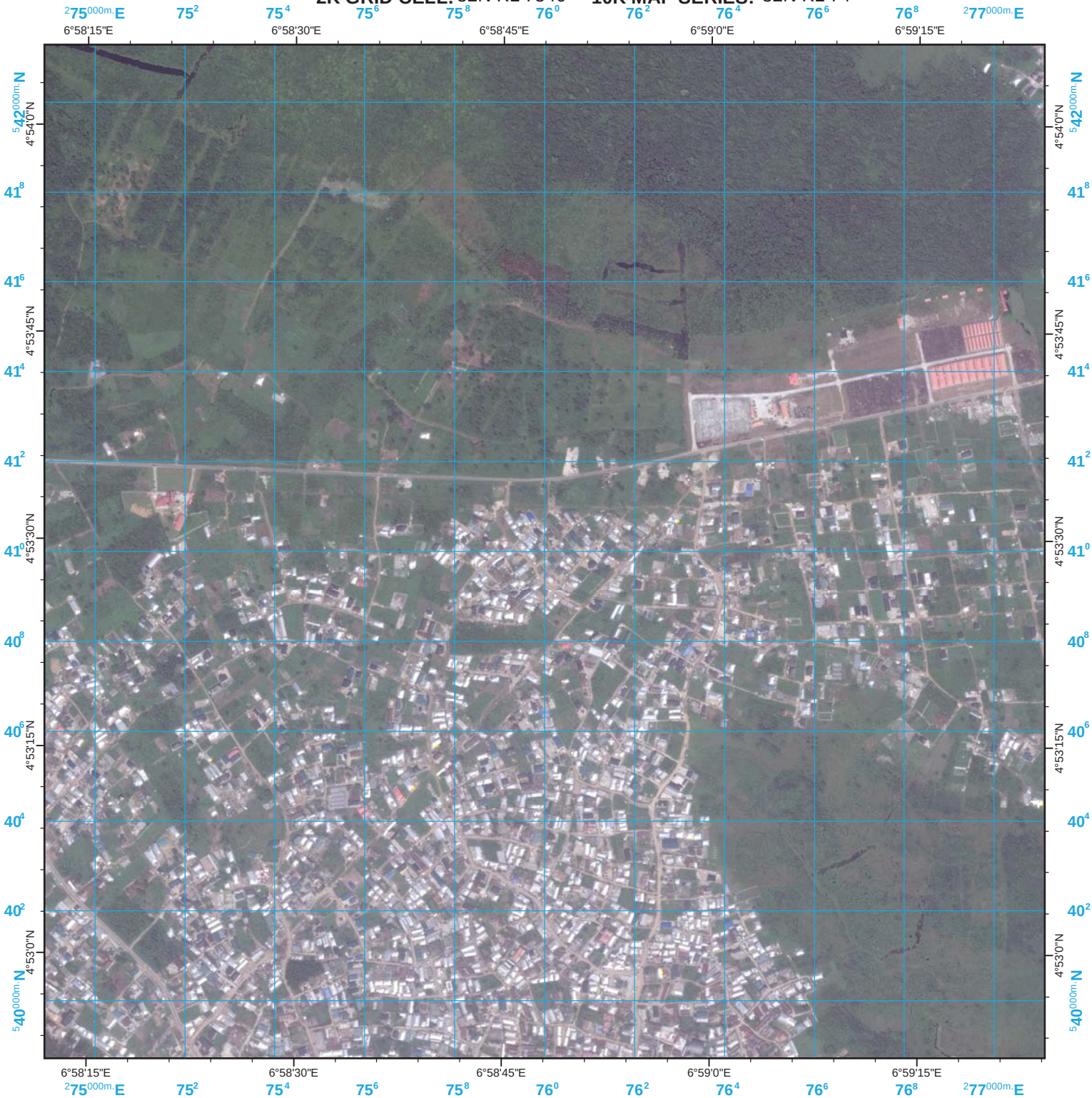
2K GRID CELL: 32N KL 7540 **10K MAP SERIES:** 32N KL 74



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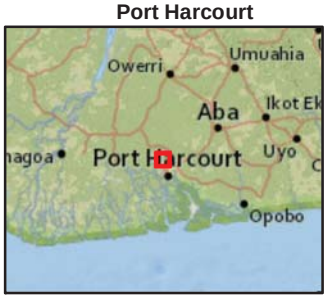

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100	101	102	103	104
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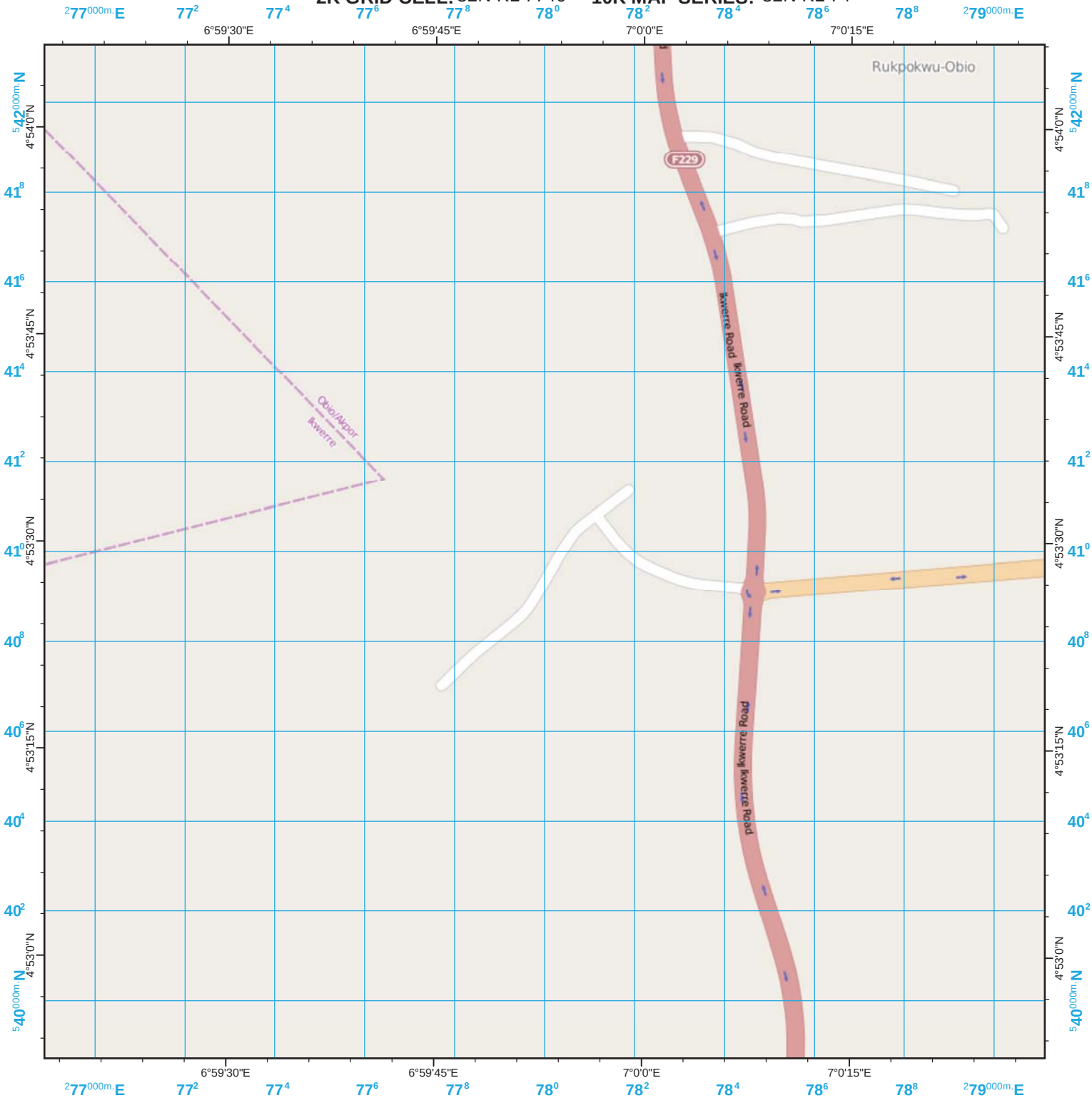
76	77	78	79	80
64	65	66	67	68

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7740 **10K MAP SERIES:** 32N KL 74



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1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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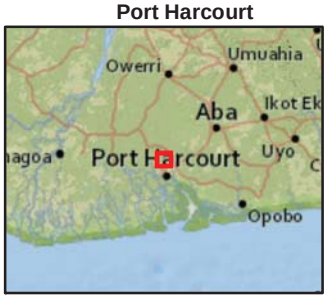
77	78	79	80	81
65	66	67	68	69

Port Harcourt



MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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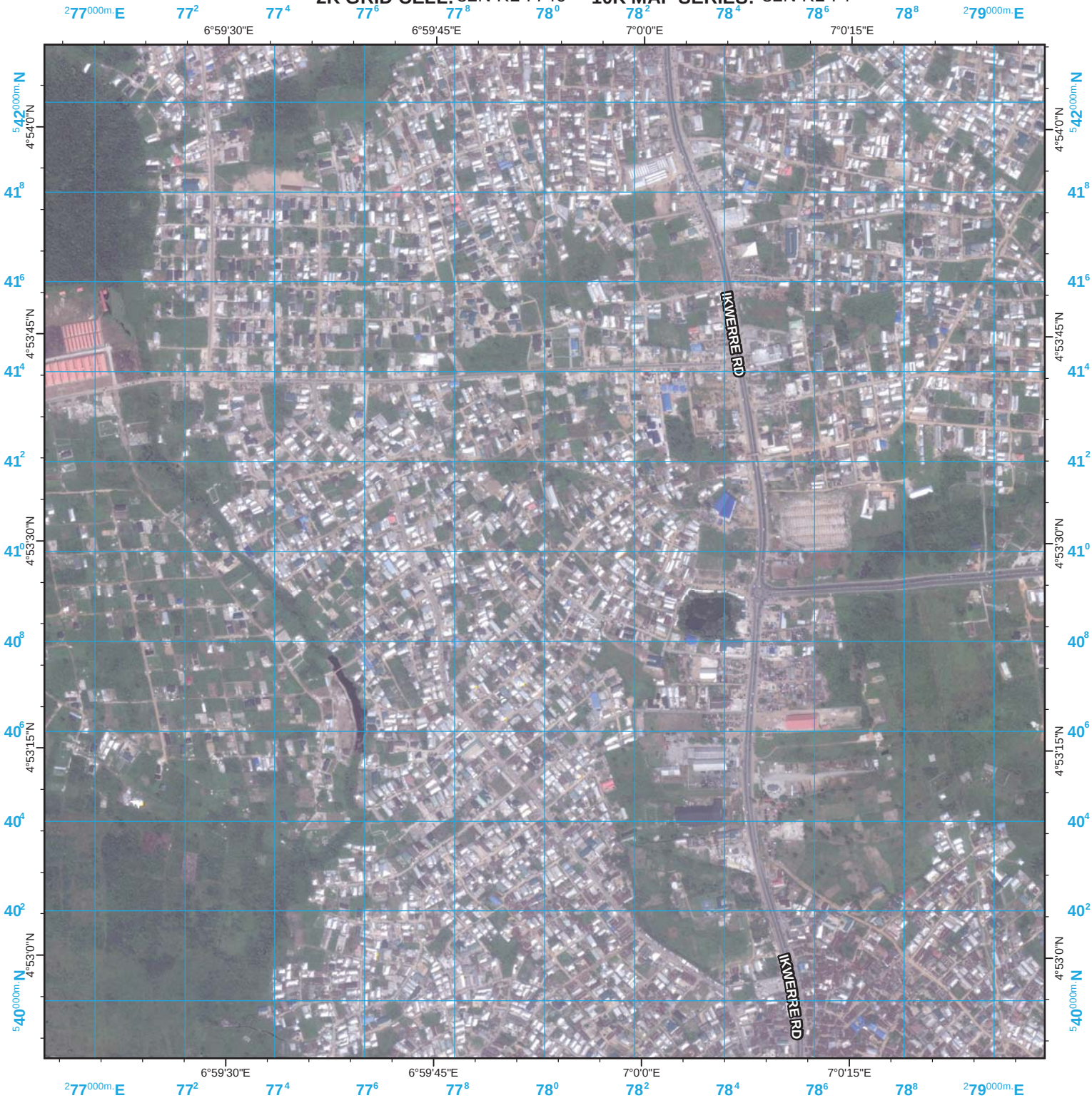
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7740 **10K MAP SERIES:** 32N KL 74



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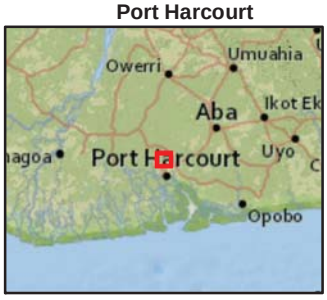

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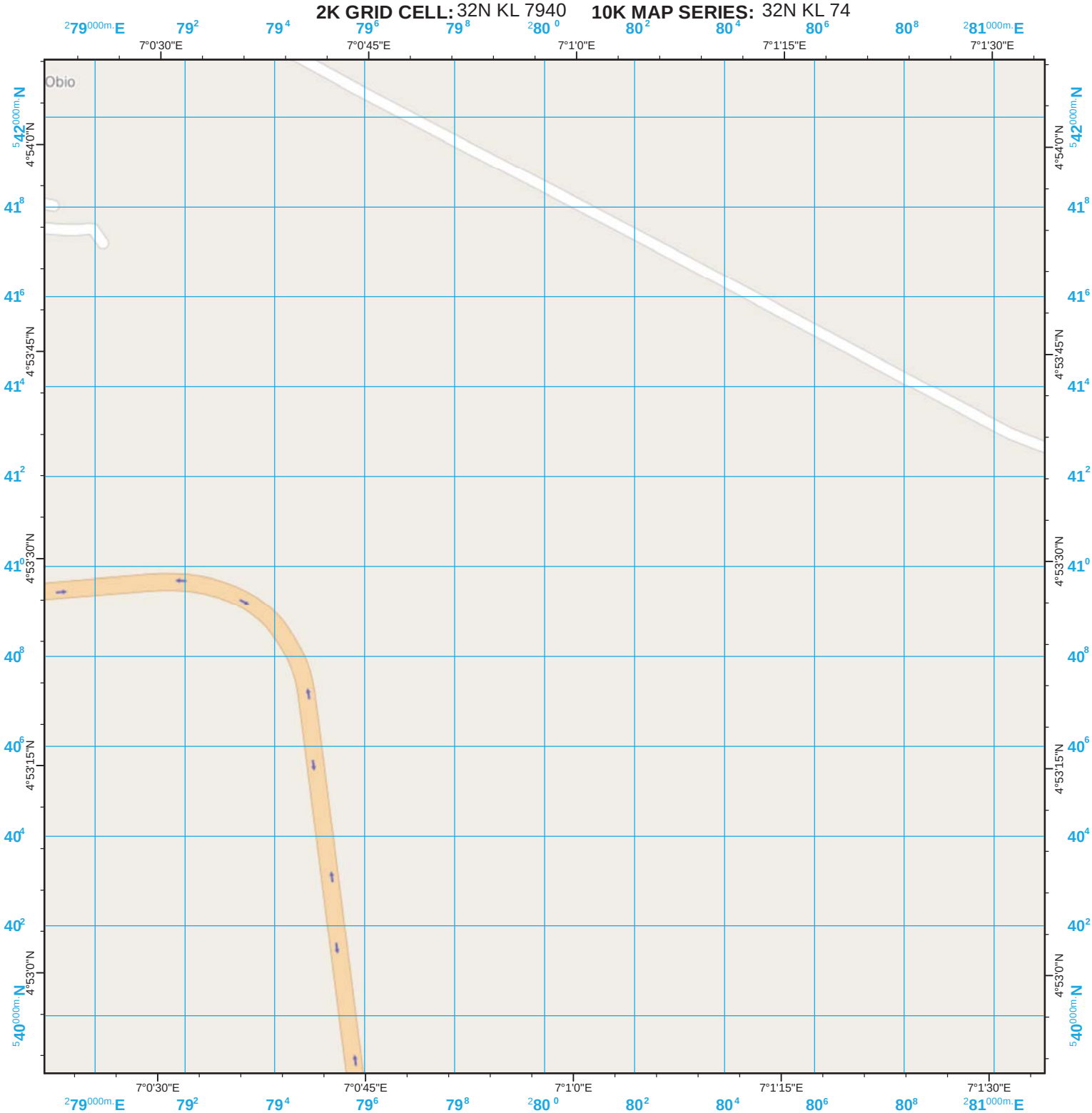
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7940 **10K MAP SERIES:** 32N KL 74



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100,000-m Square Grid: KL
Grid Zone Designation: 32N

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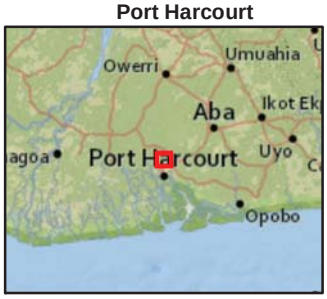

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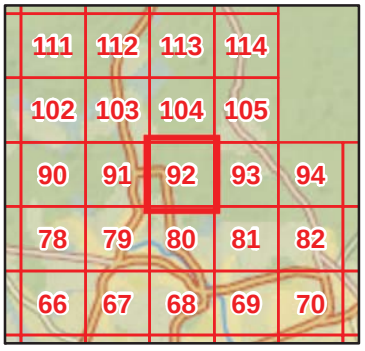
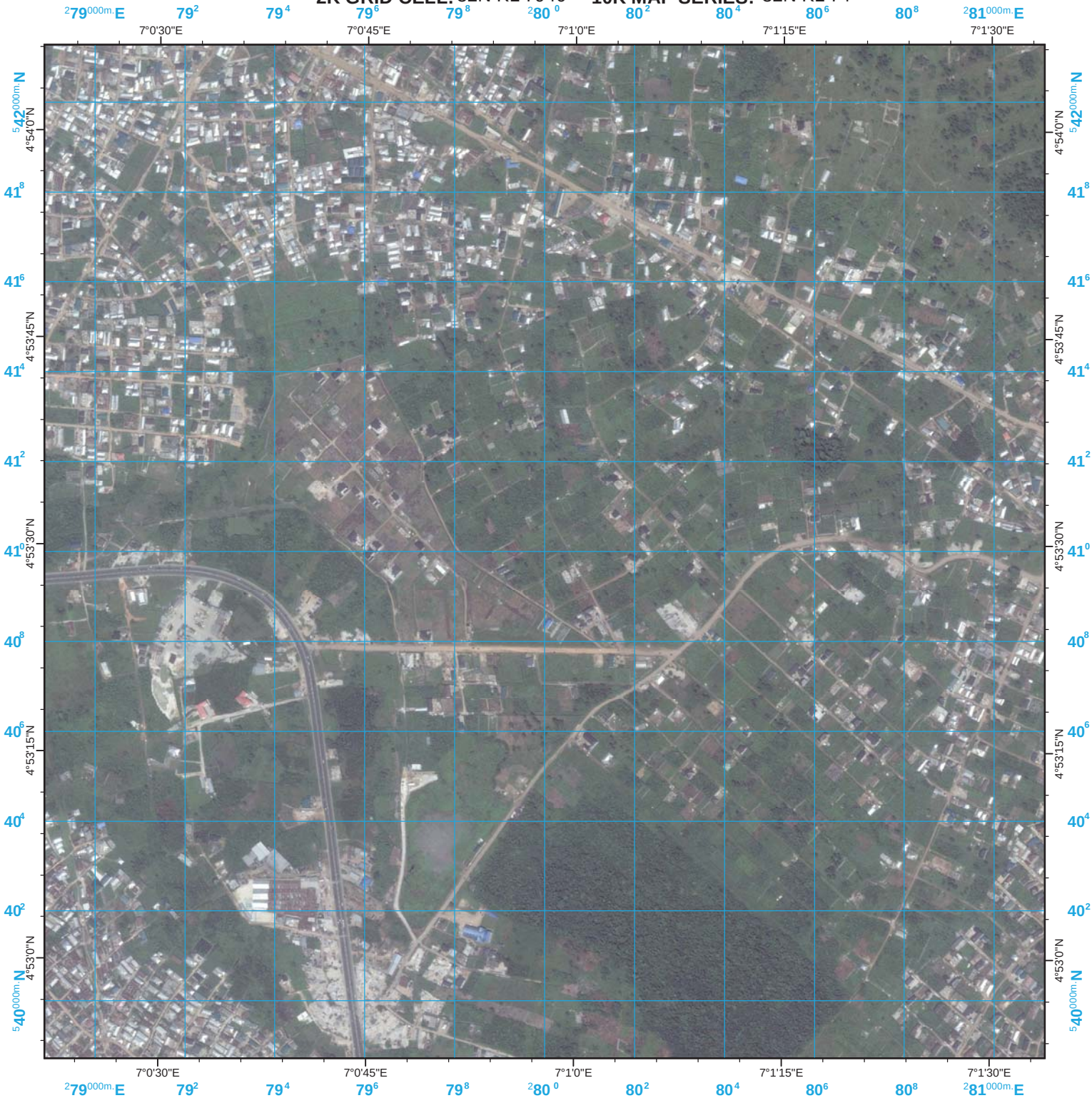


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7940 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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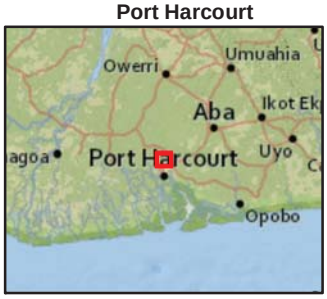

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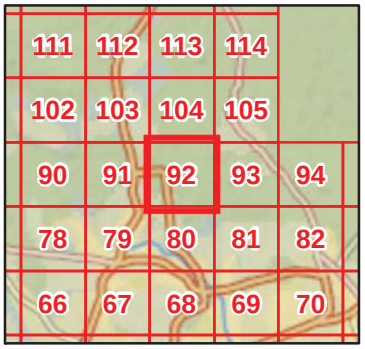
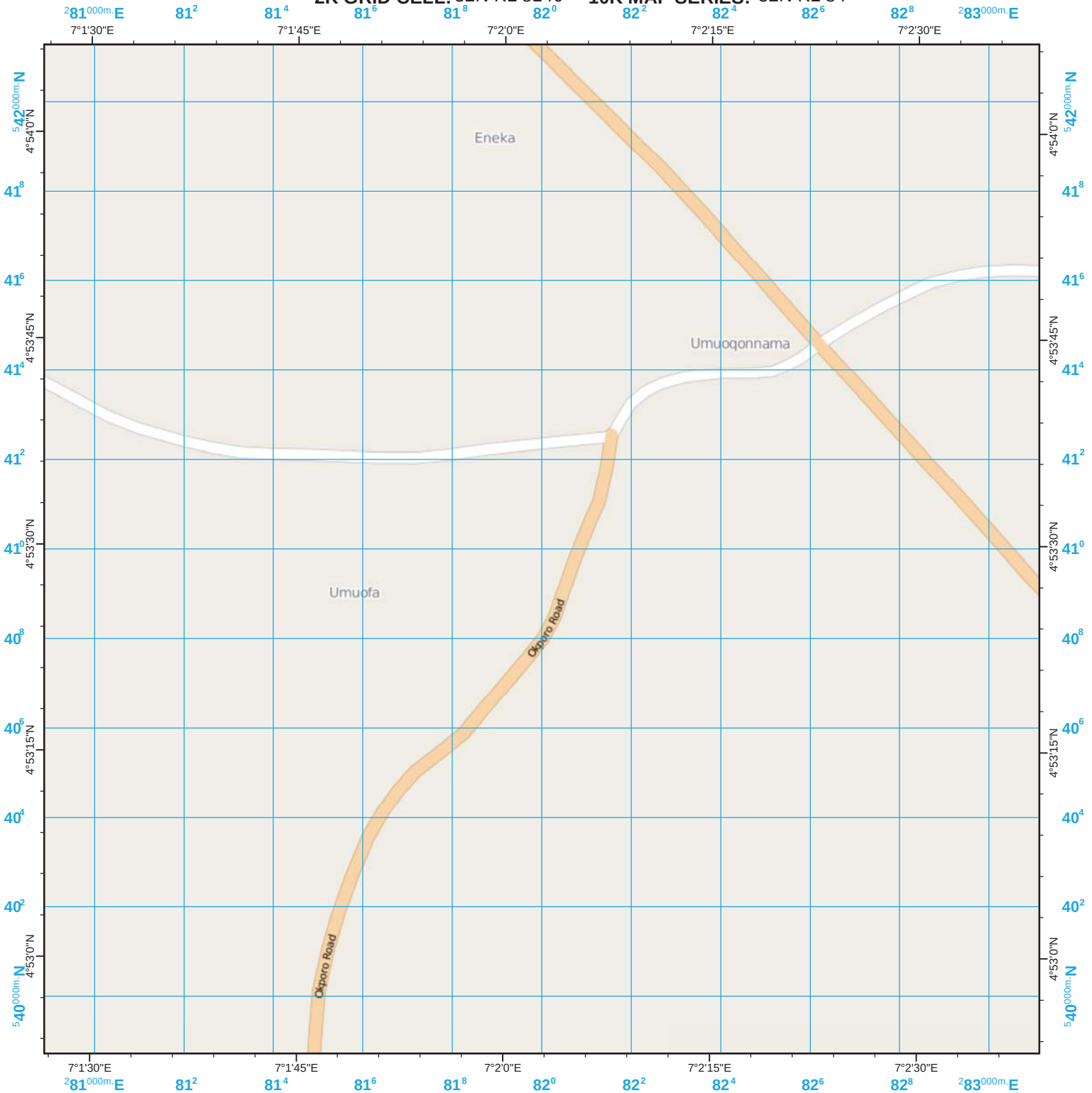


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8140 **10K MAP SERIES:** 32N KL 84



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0 50 100 200 300 400 500 Meters
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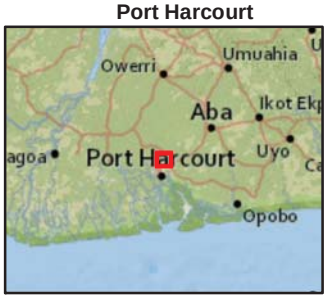

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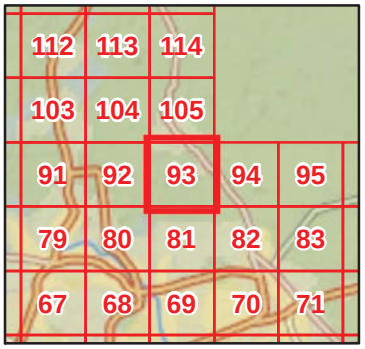

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8140 **10K MAP SERIES:** 32N KL 84

2000-m cell, 200-m grid, MGRS
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100,000-m Square Grid: KL
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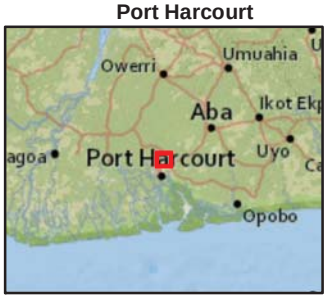
Port Harcourt



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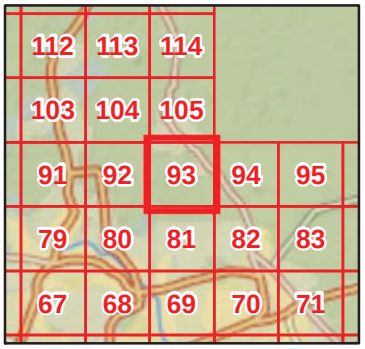
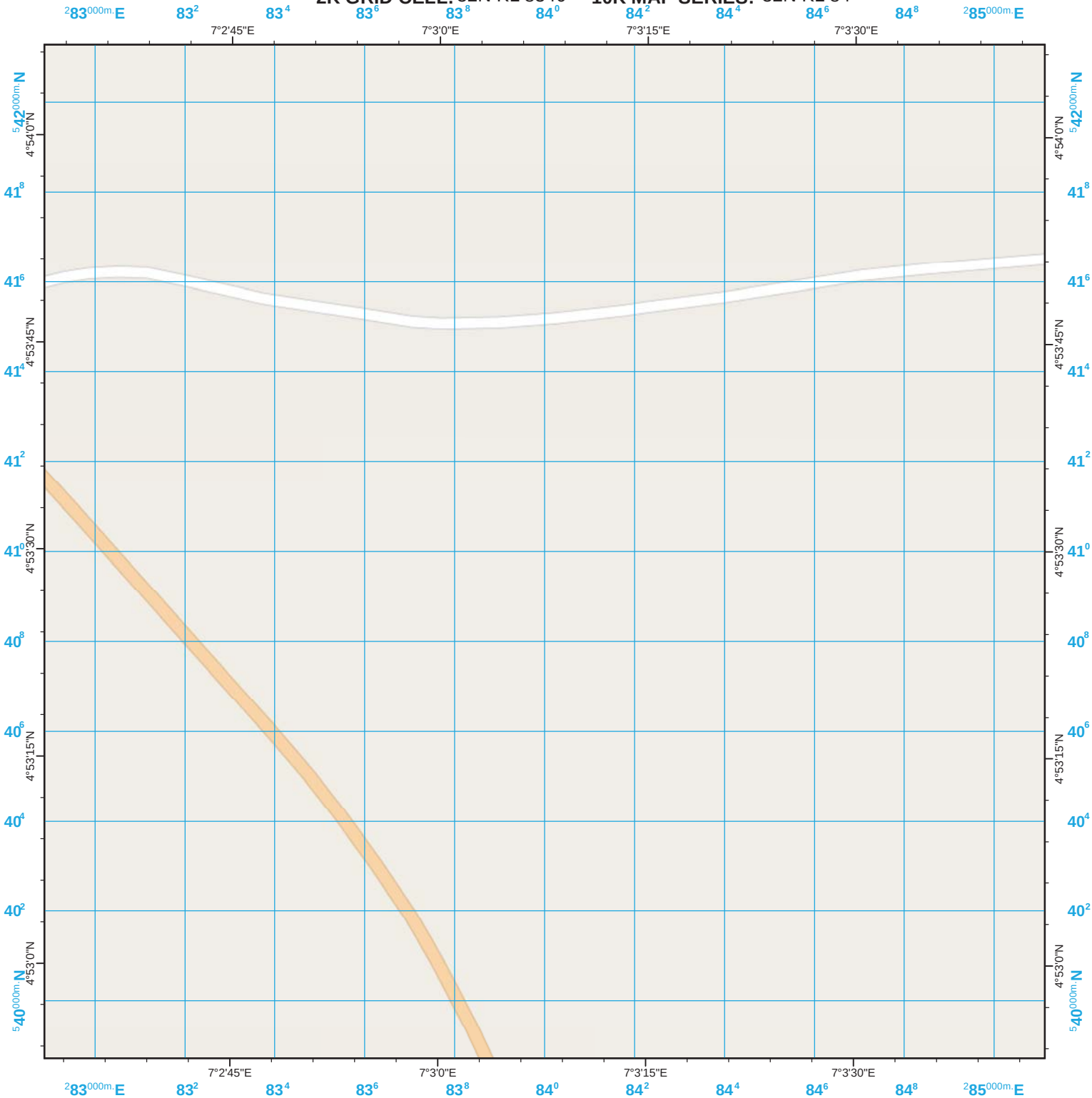


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8340 **10K MAP SERIES:** 32N KL 84



2000-m cell, 200-m grid, MGRS
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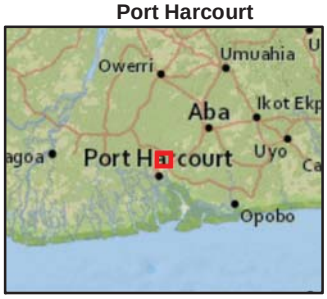

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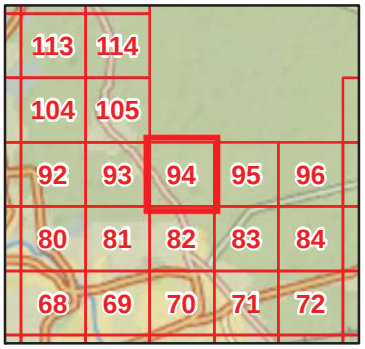
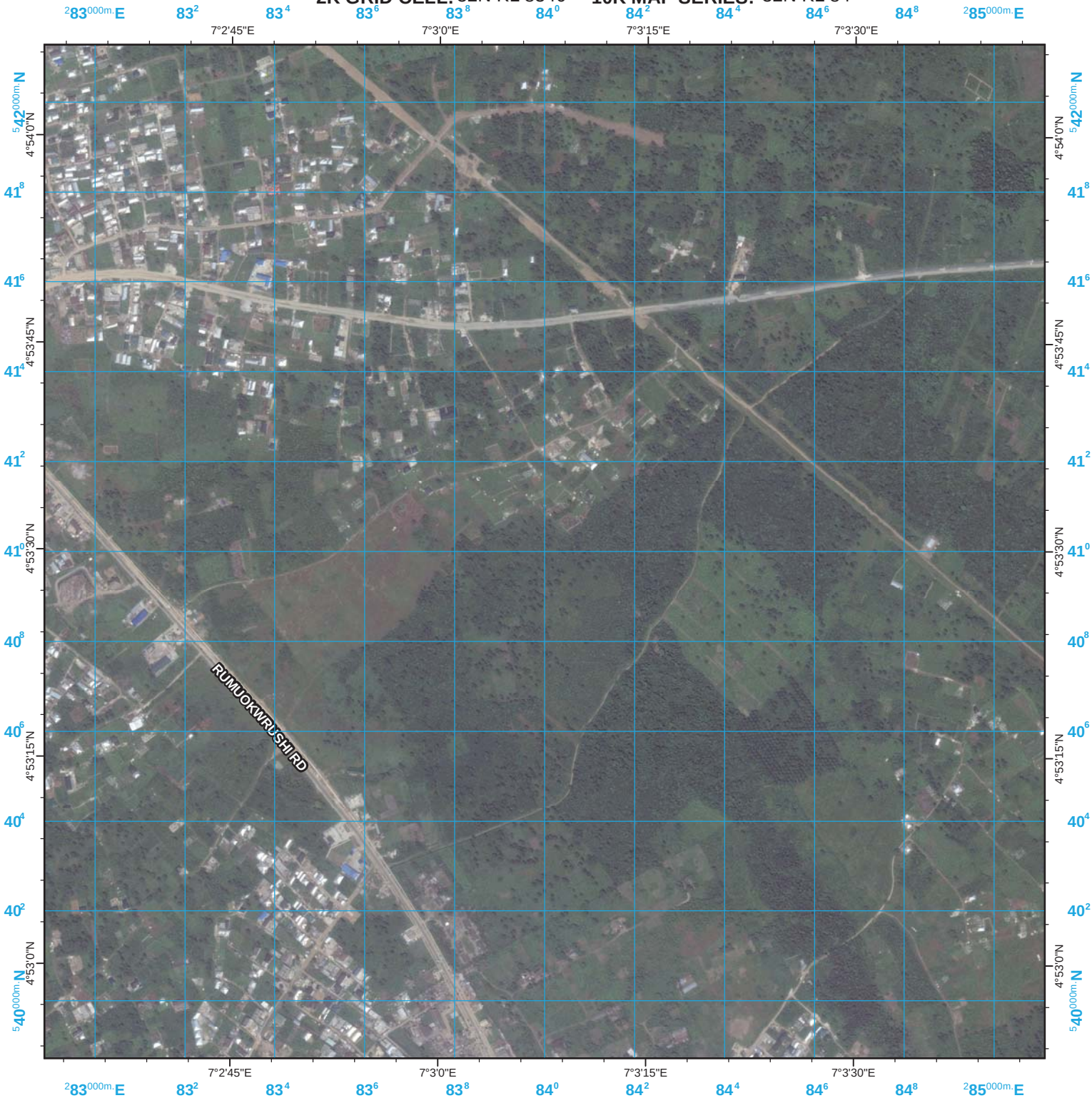


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8340 **10K MAP SERIES:** 32N KL 84



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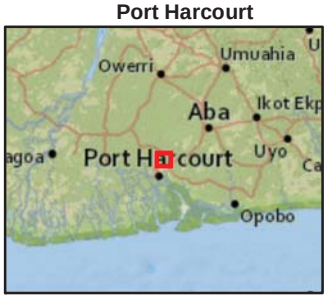

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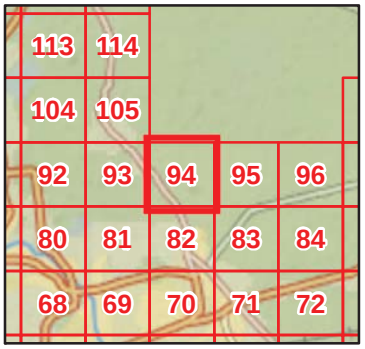

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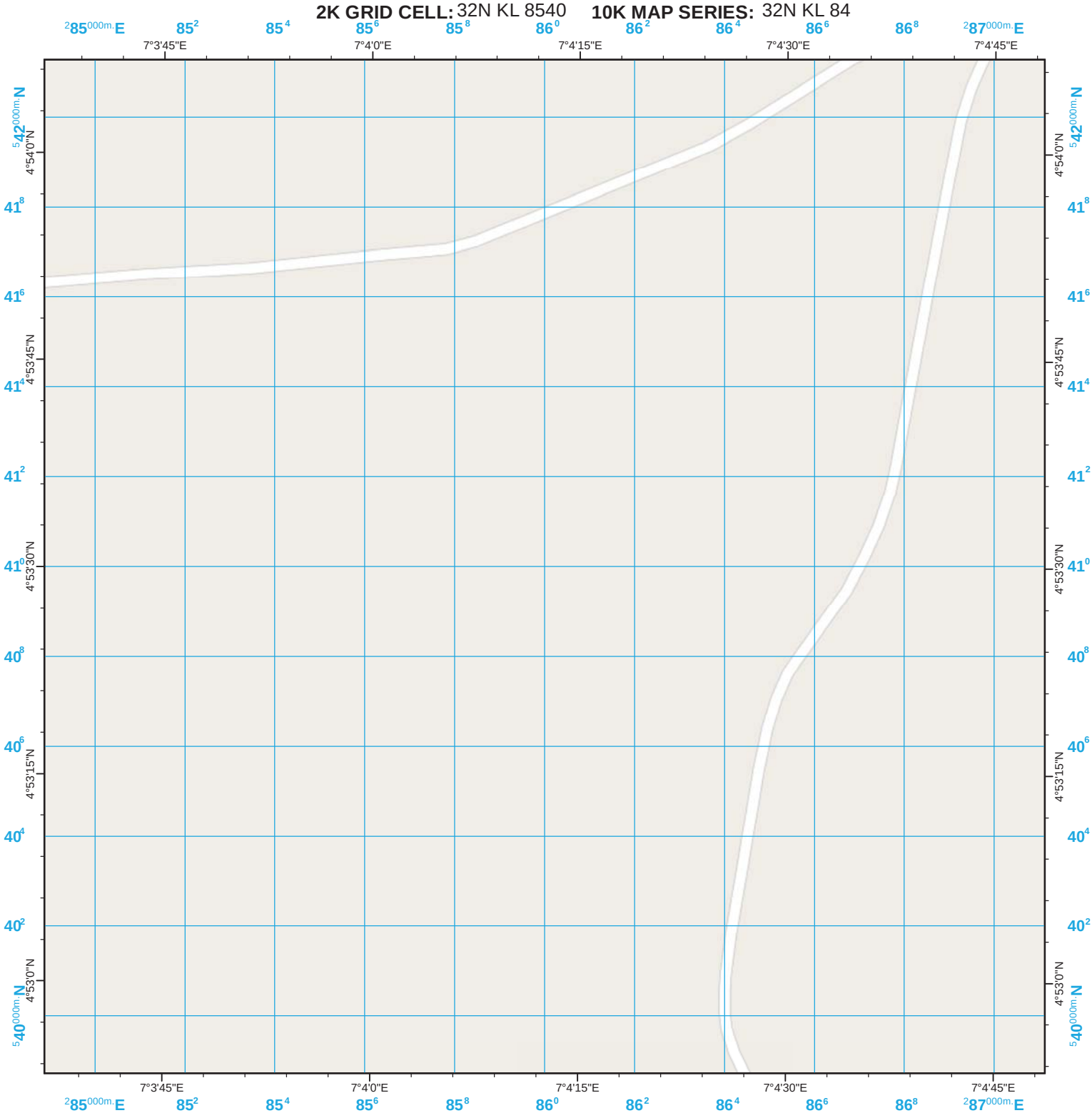
2K GRID CELL: 32N KL 8540 **10K MAP SERIES:** 32N KL 84



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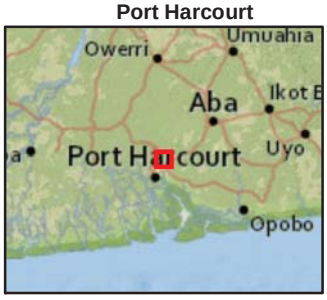

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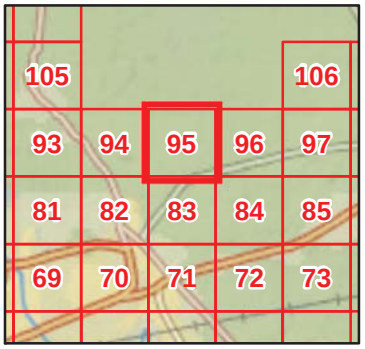
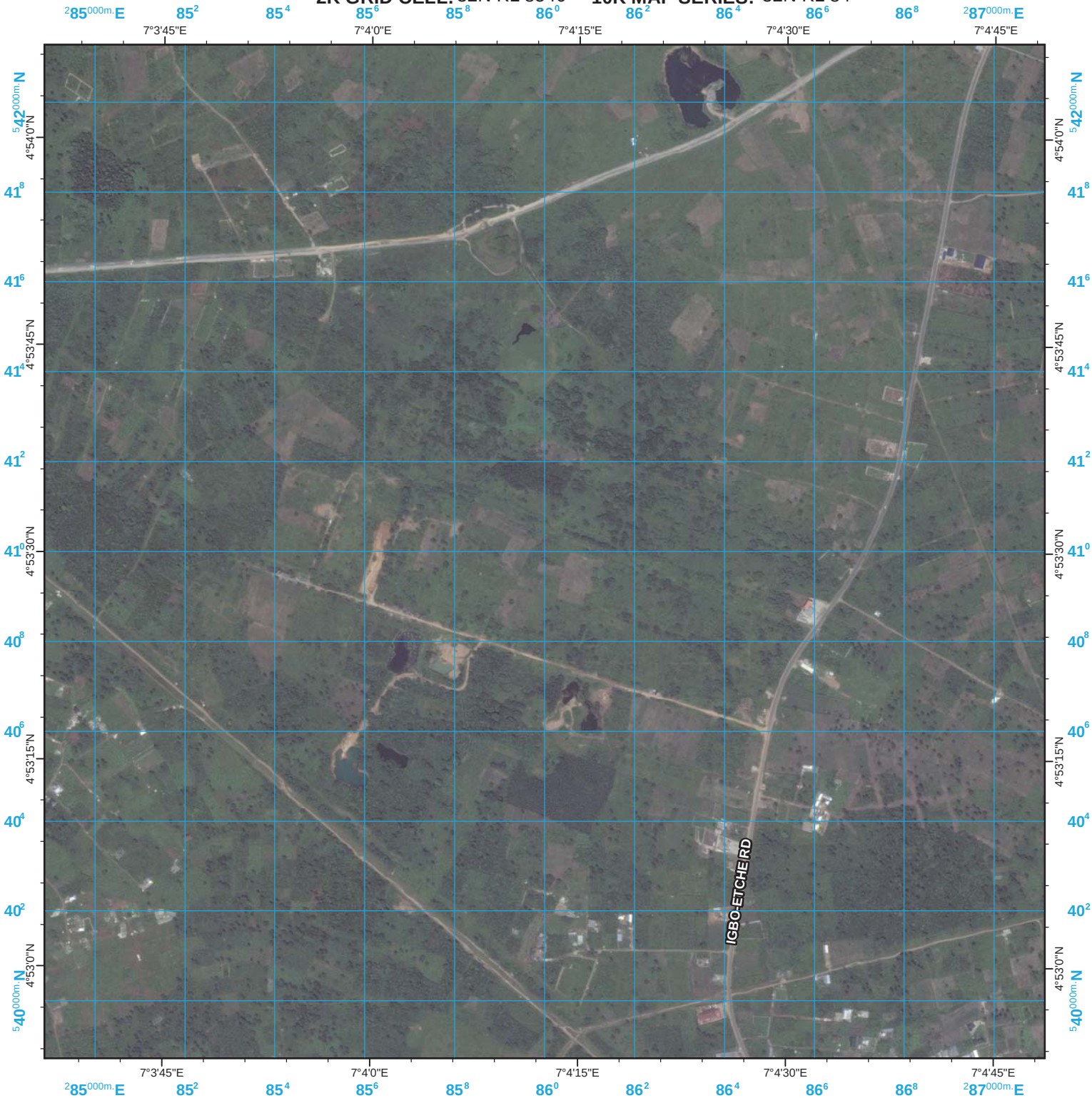


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8540 **10K MAP SERIES:** 32N KL 84



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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- CINEMA
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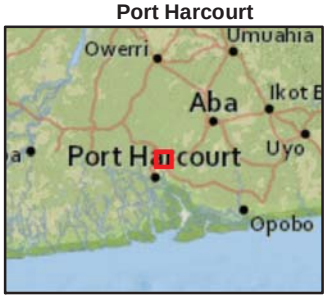
Port Harcourt



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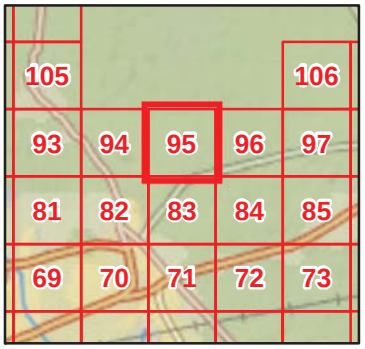
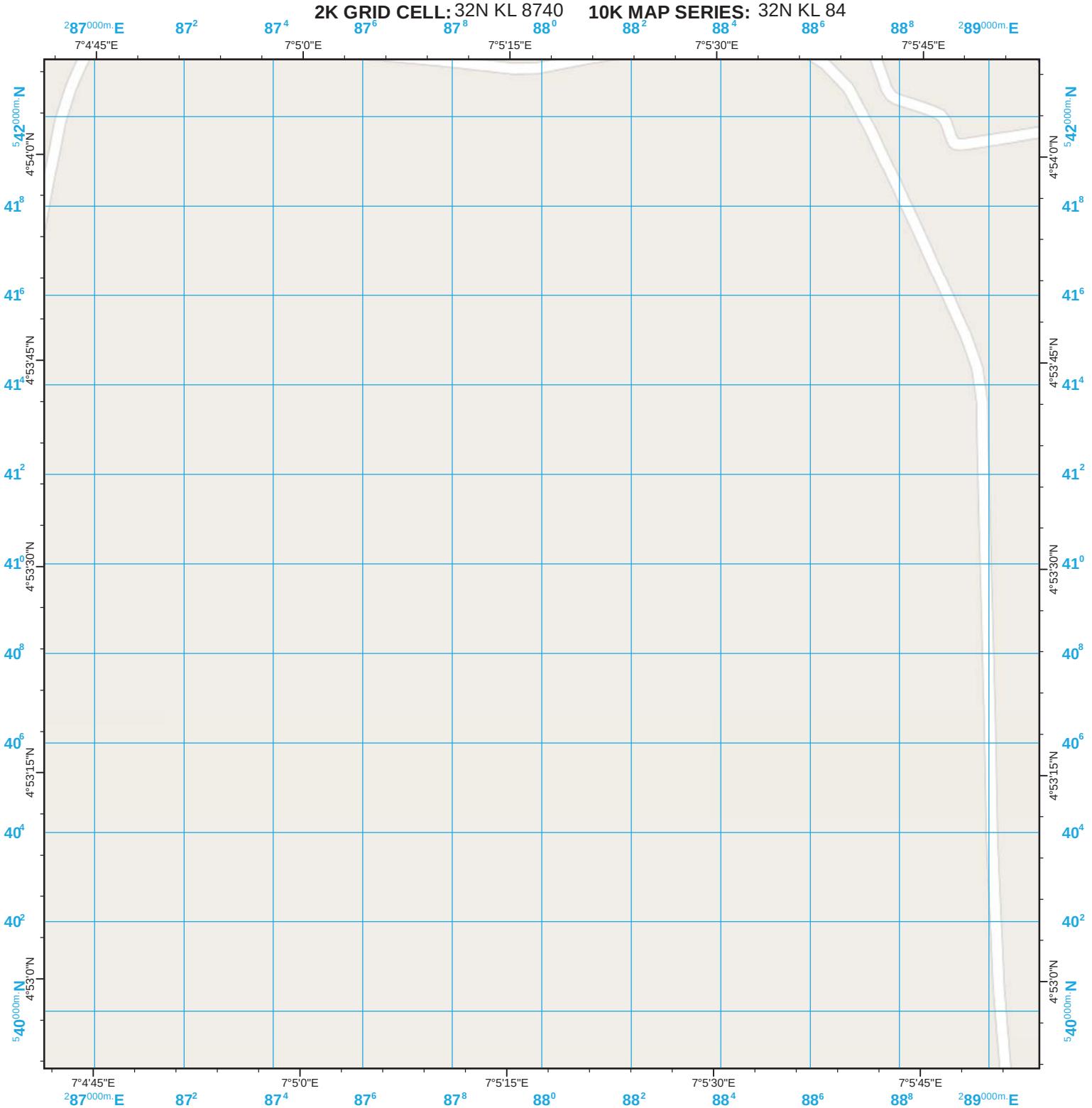


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8740 **10K MAP SERIES:** 32N KL 84



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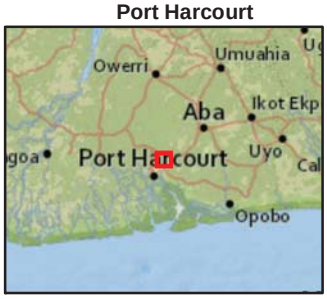

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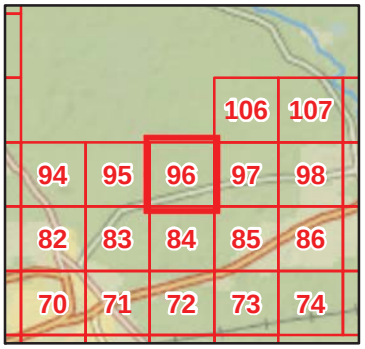
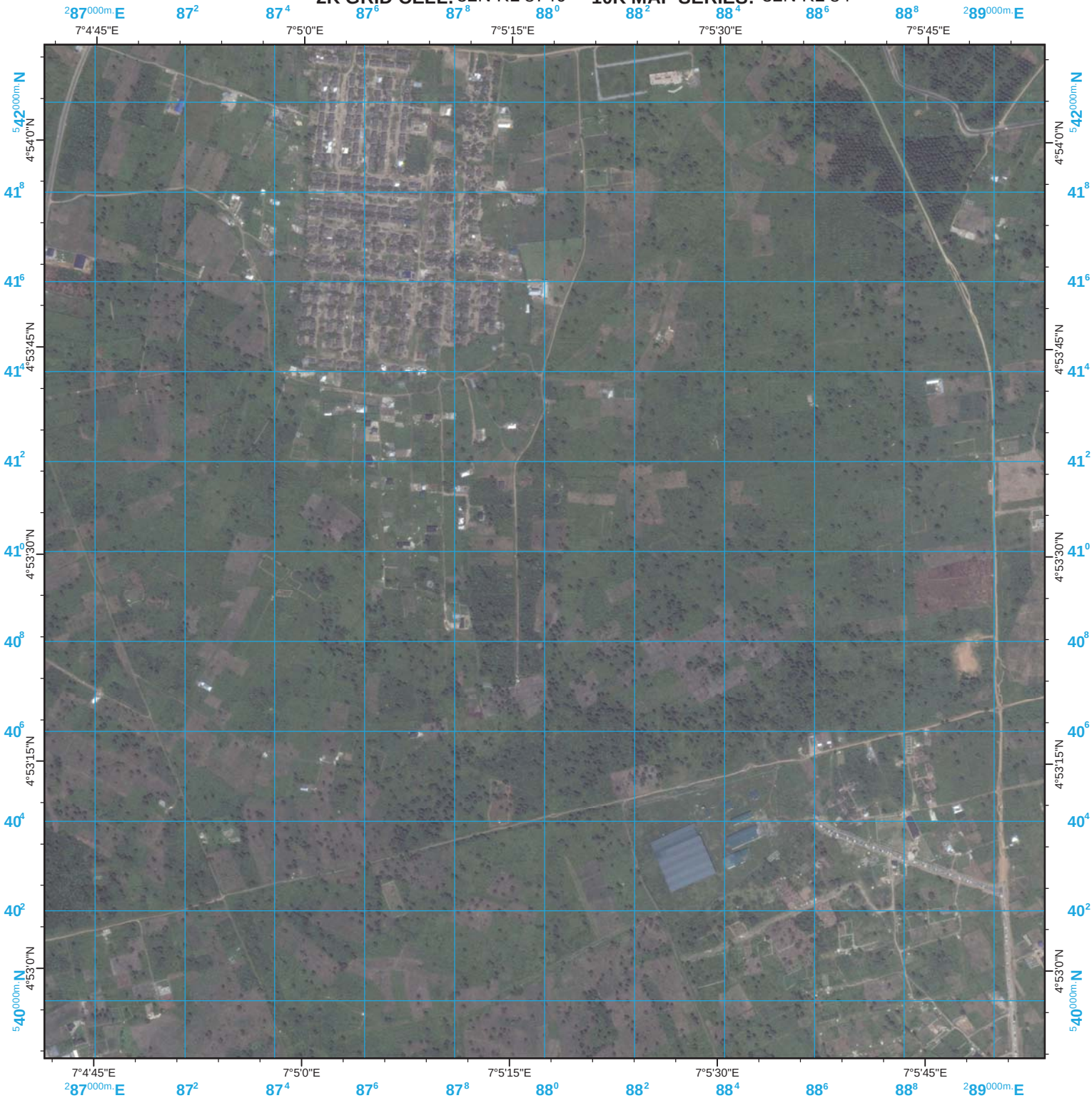


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8740 **10K MAP SERIES:** 32N KL 84



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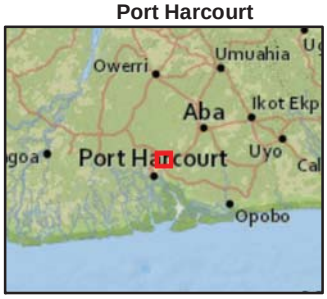

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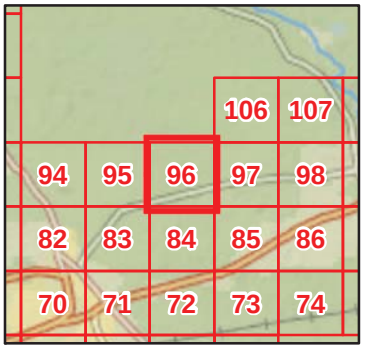
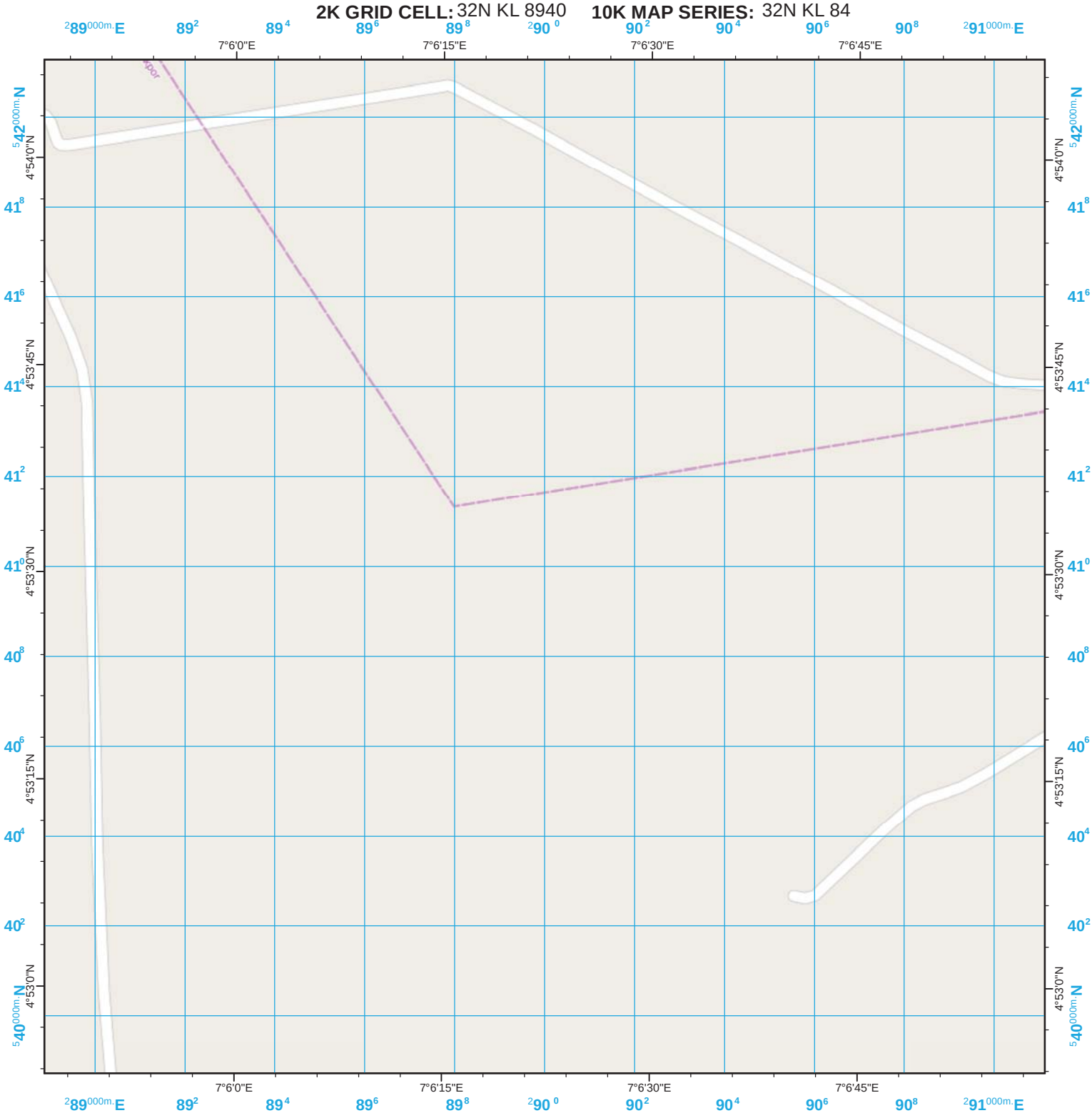


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8940 **10K MAP SERIES:** 32N KL 84



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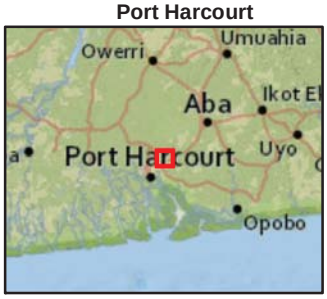

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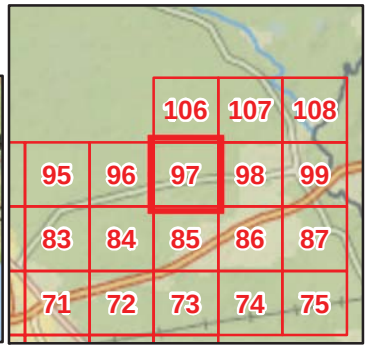

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2K GRID CELL: 32N KL 8940 **10K MAP SERIES:** 32N KL 84

2000-m cell, 200-m grid, MGRS
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100,000-m Square Grid: KL
Grid Zone Designation: 32N

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0 50 100 200 300 400 500 Meters

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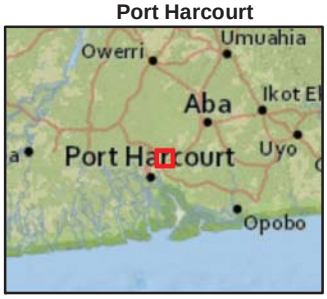

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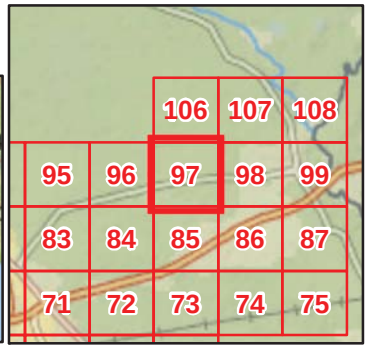
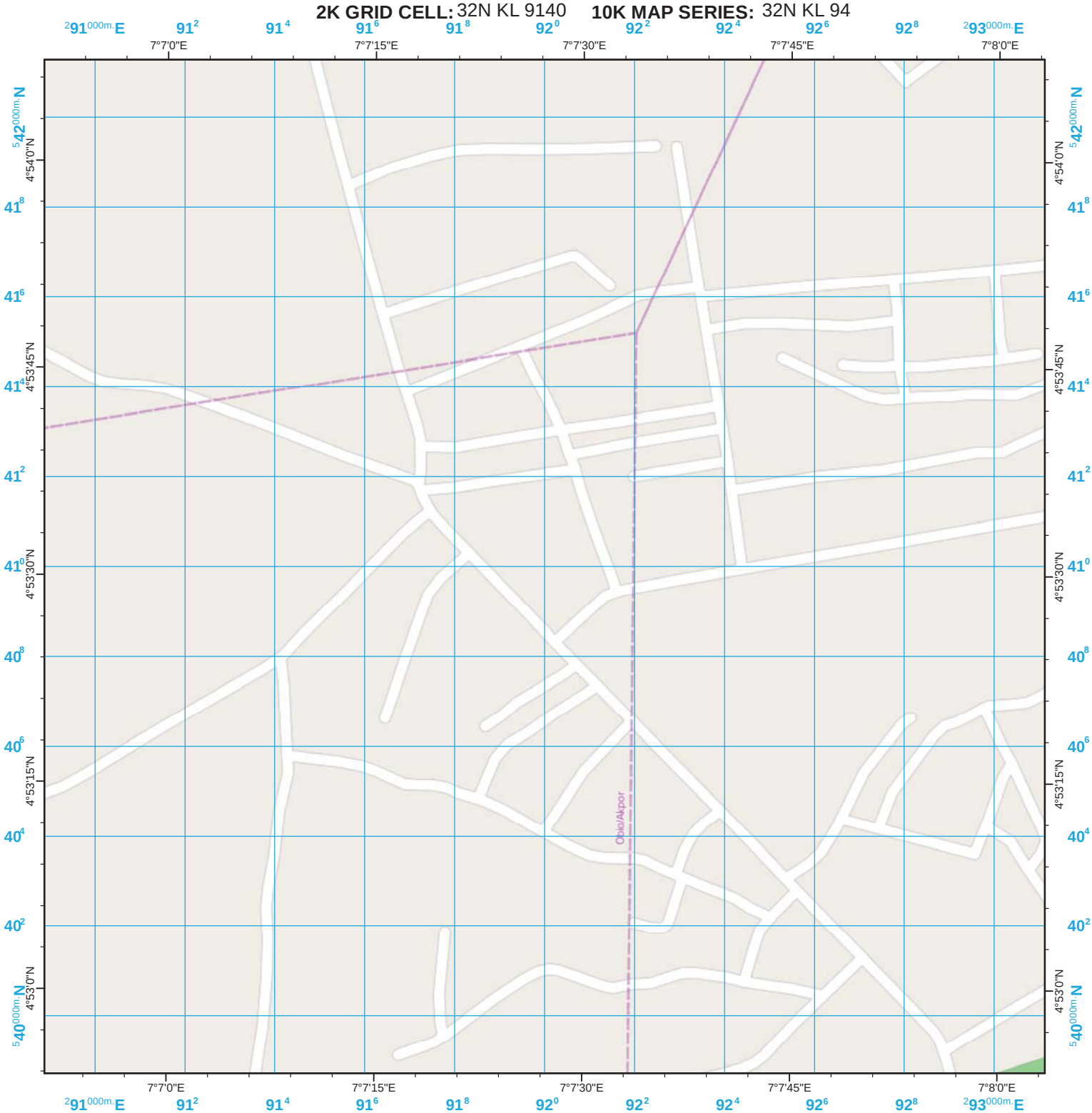


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9140 **10K MAP SERIES:** 32N KL 94



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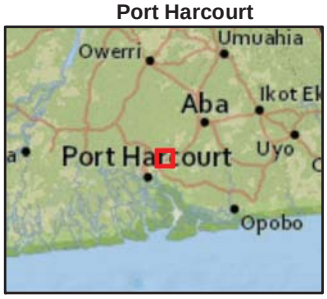

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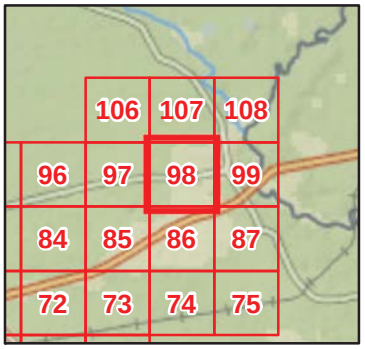
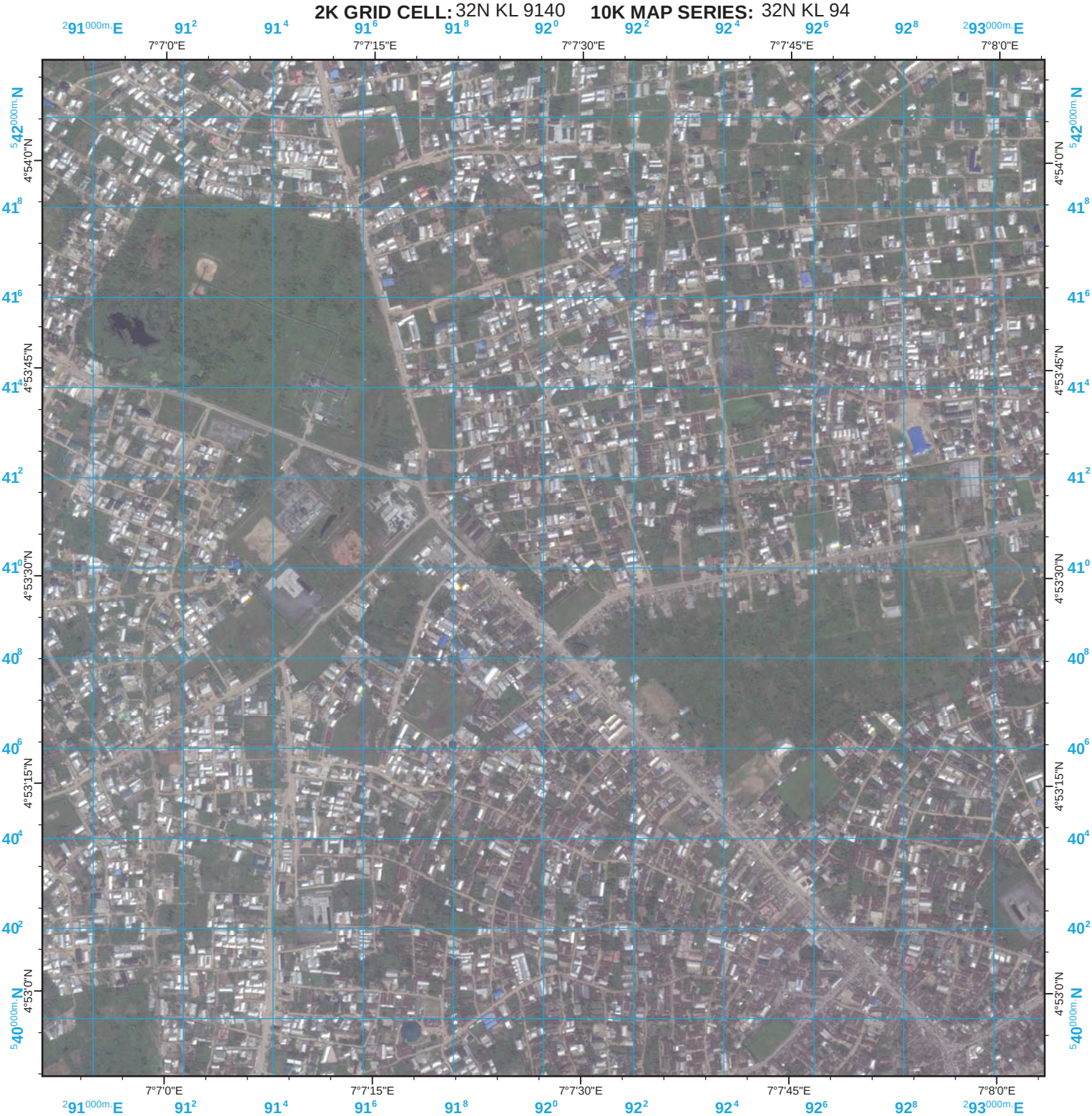


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9140 **10K MAP SERIES:** 32N KL 94



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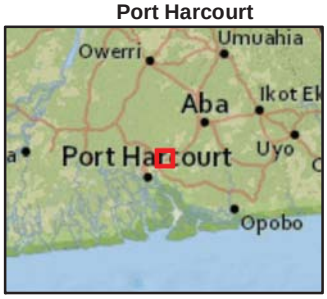
Port Harcourt



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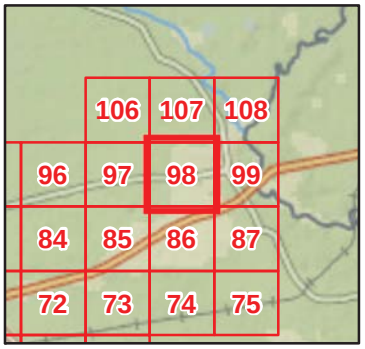
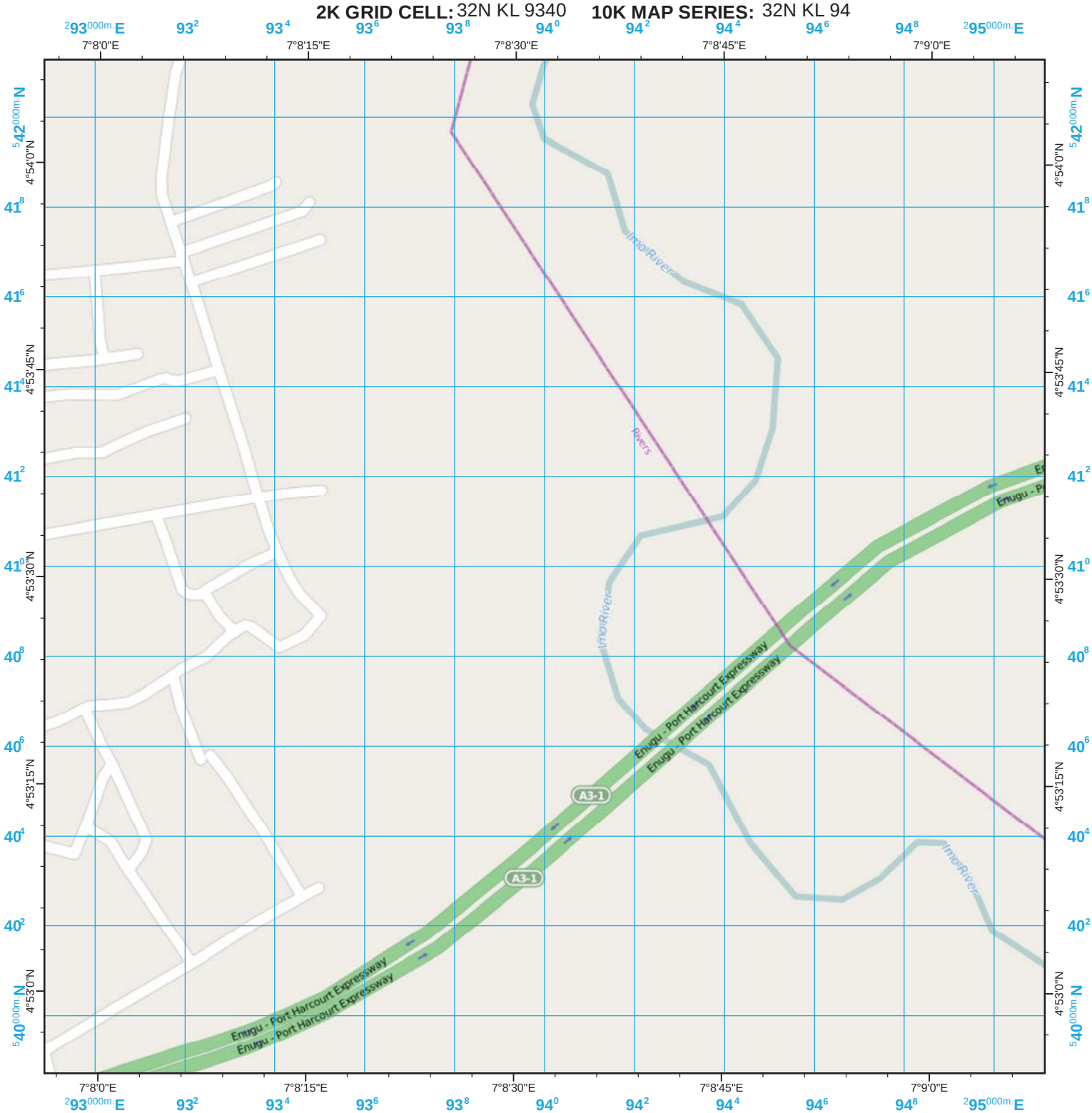


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9340 **10K MAP SERIES:** 32N KL 94



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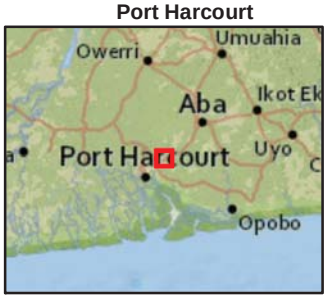

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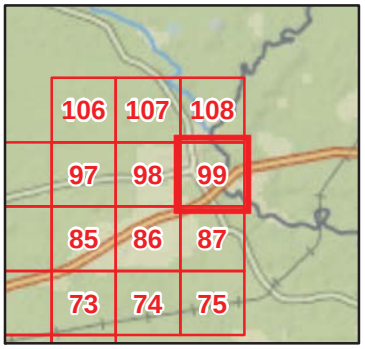
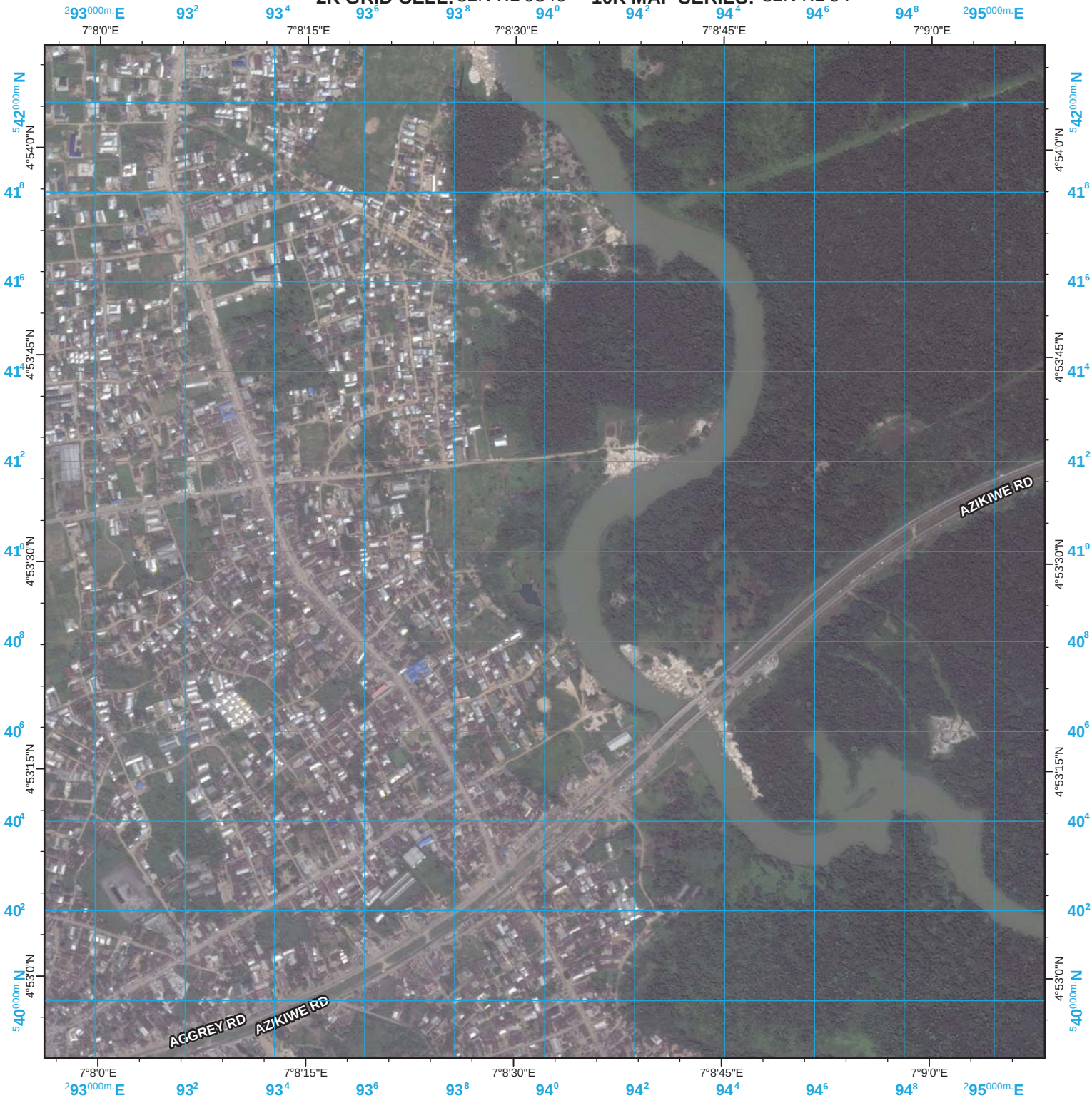


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9340 **10K MAP SERIES:** 32N KL 94



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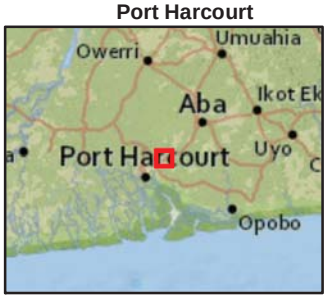

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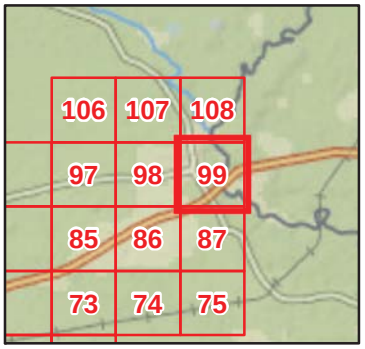

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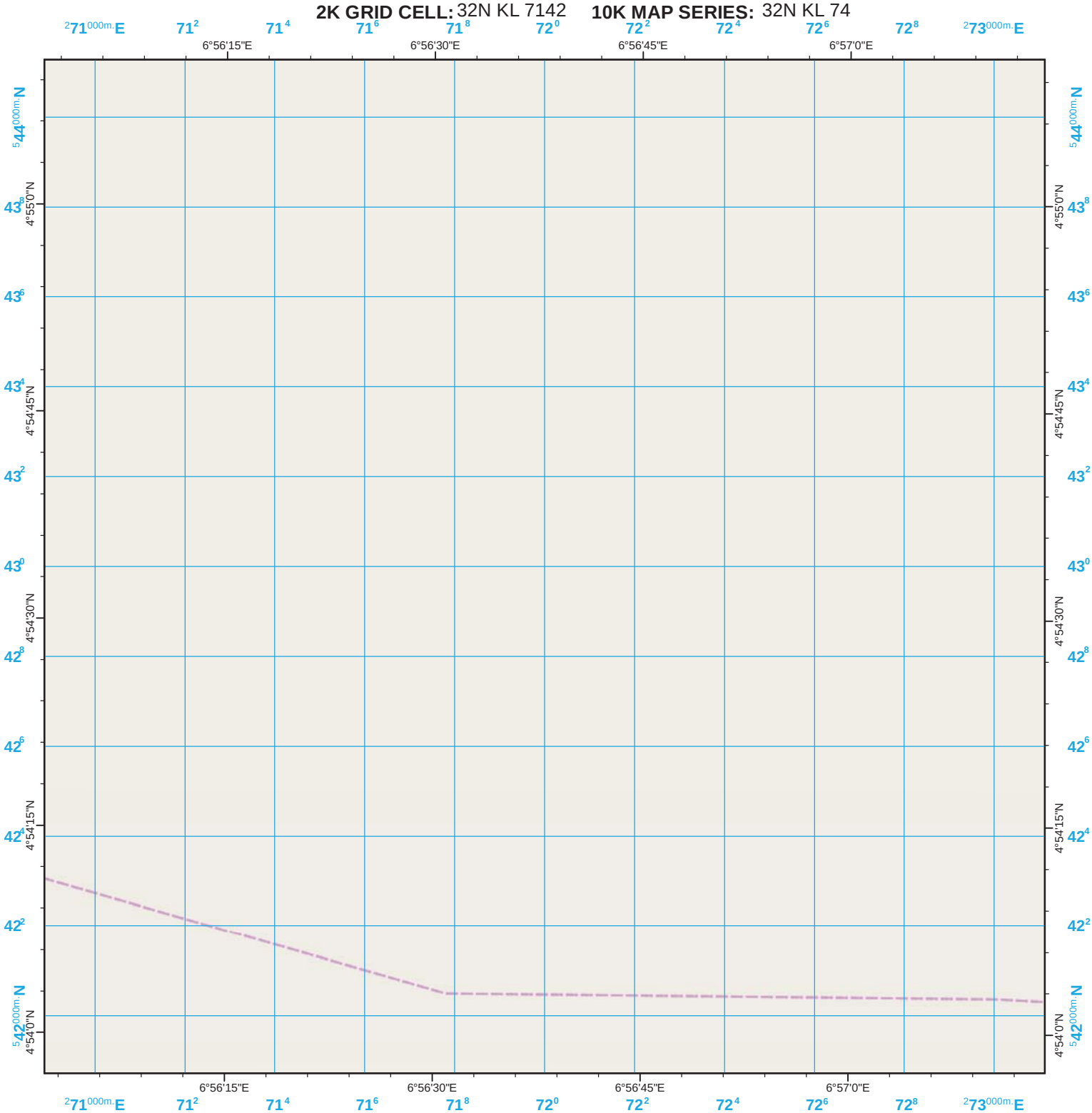
2K GRID CELL: 32N KL 7142 **10K MAP SERIES:** 32N KL 74



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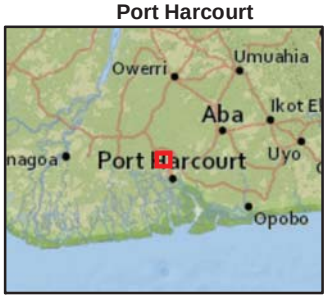

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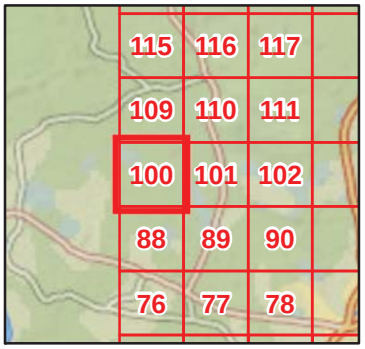

MGRS
100,000-m Square Grid: KL
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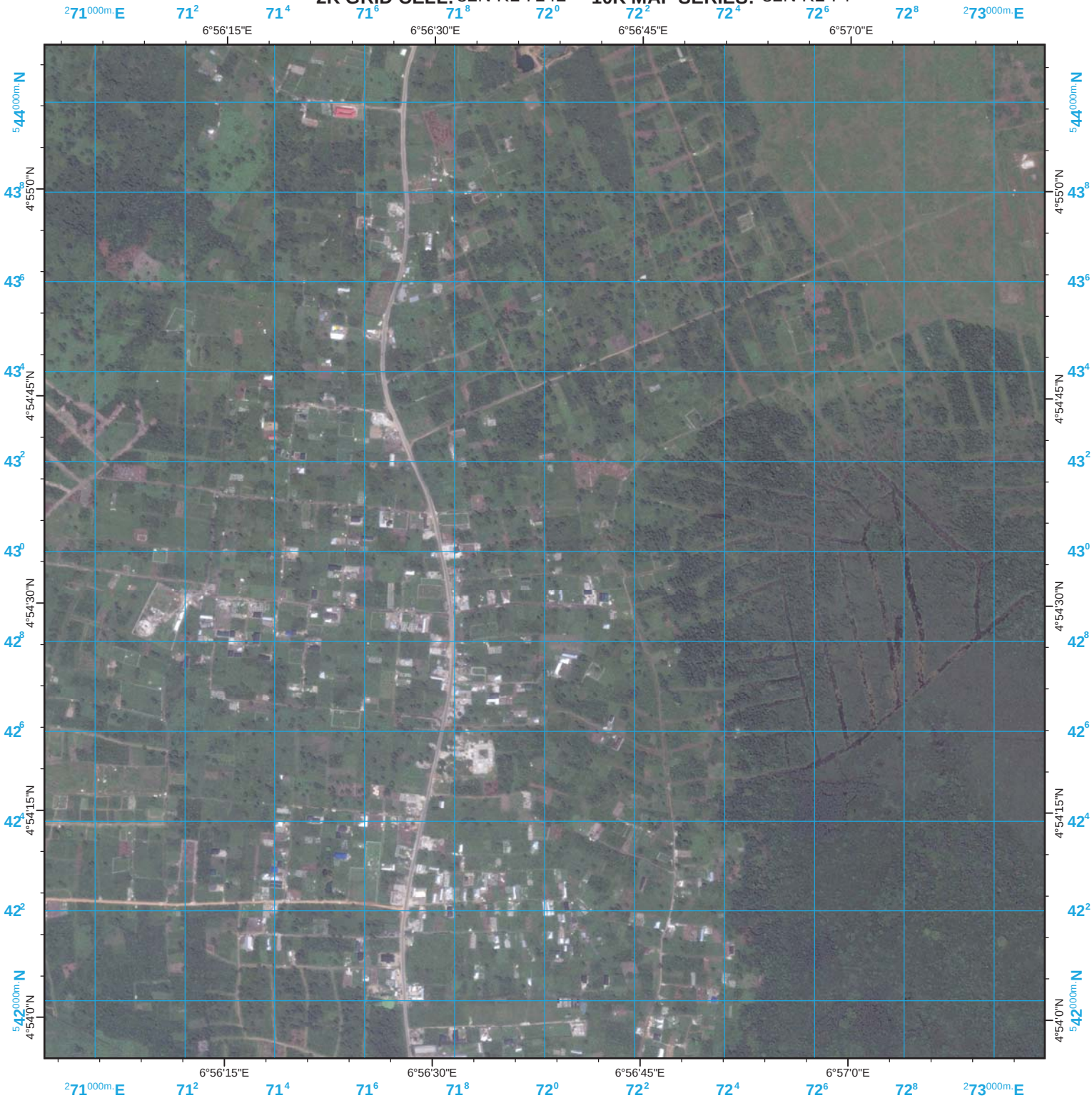
2K GRID CELL: 32N KL 7142 **10K MAP SERIES:** 32N KL 74



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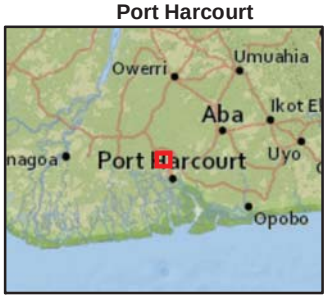

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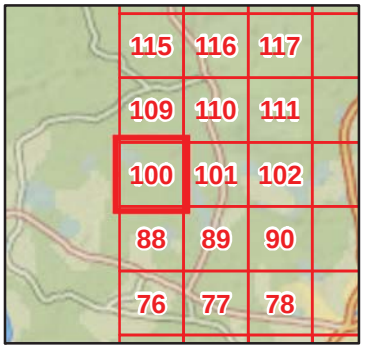
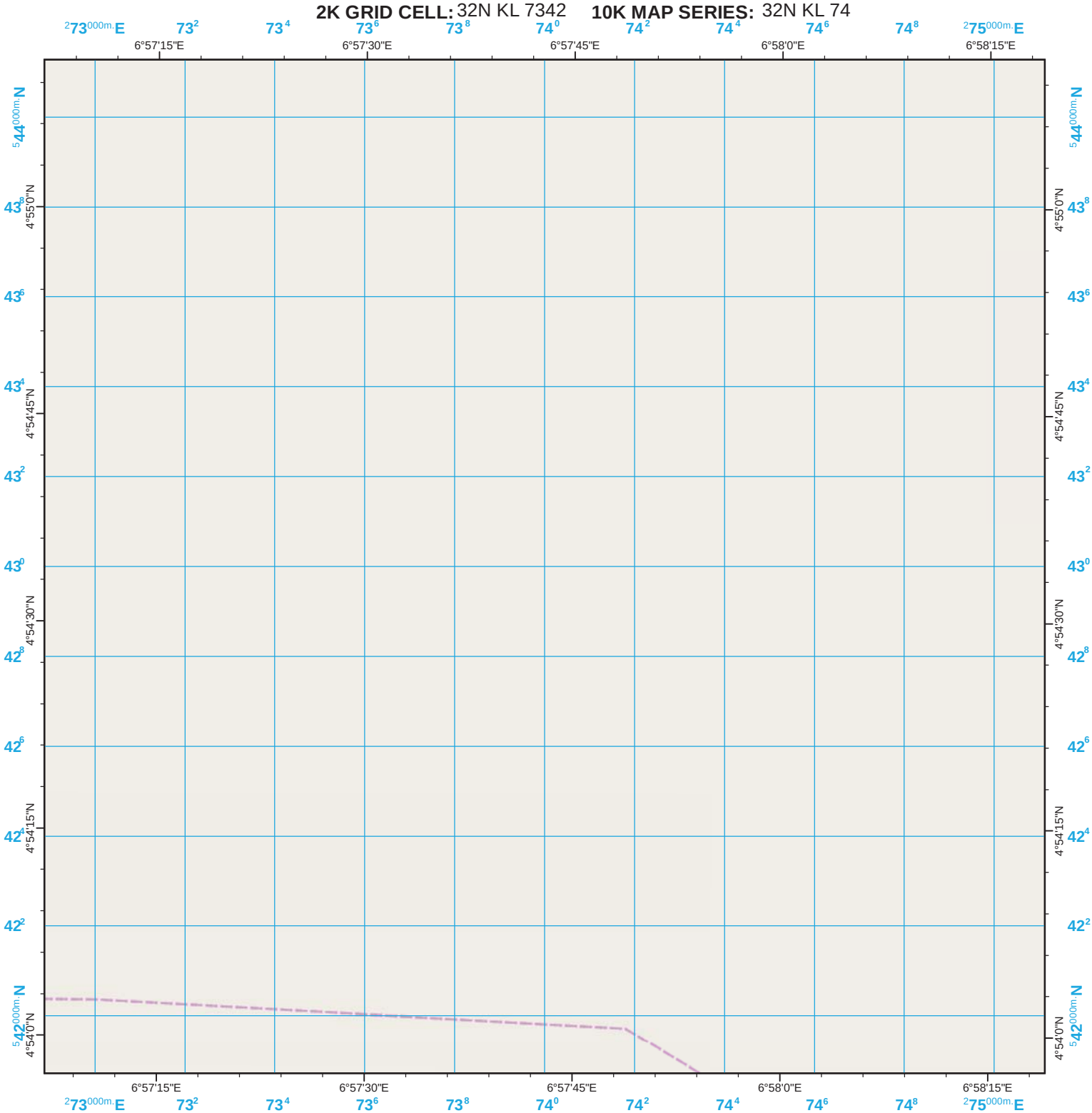


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7342 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
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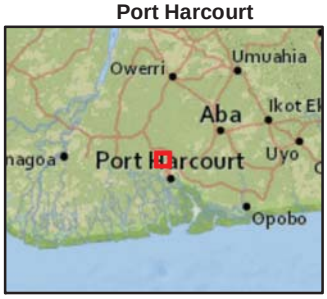
Port Harcourt



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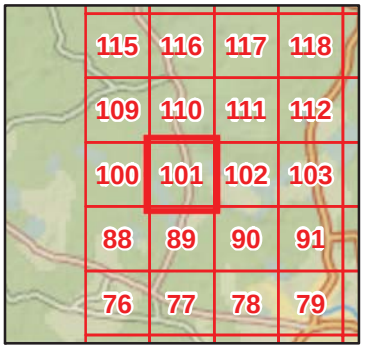
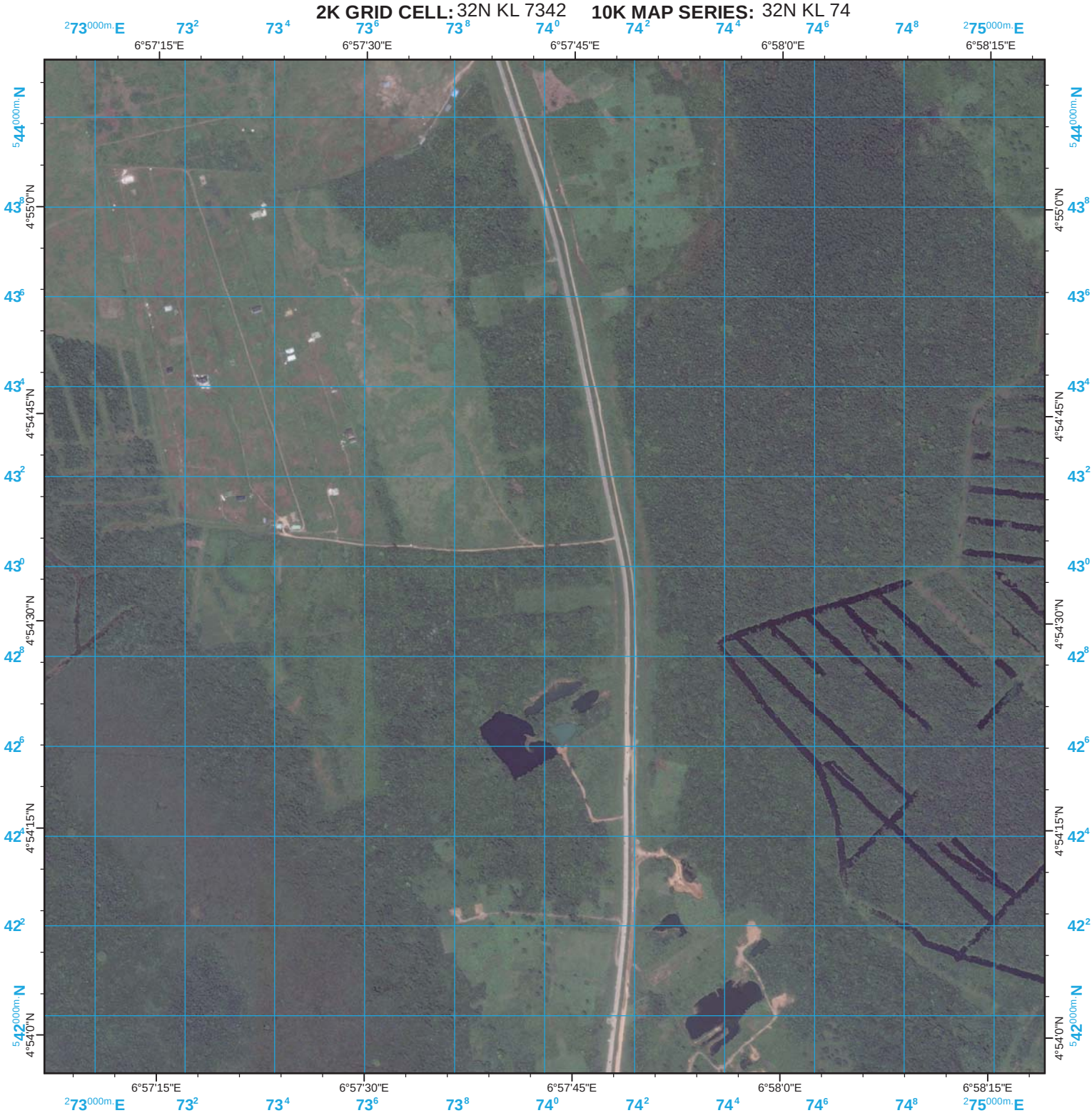


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7342 **10K MAP SERIES:** 32N KL 74



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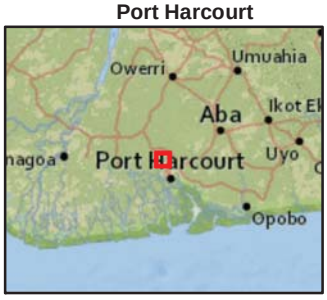

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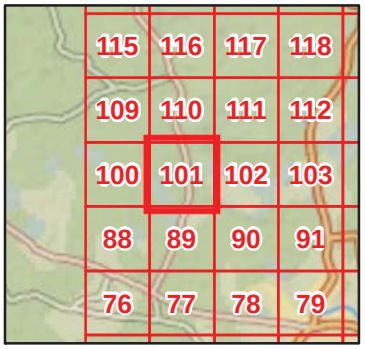
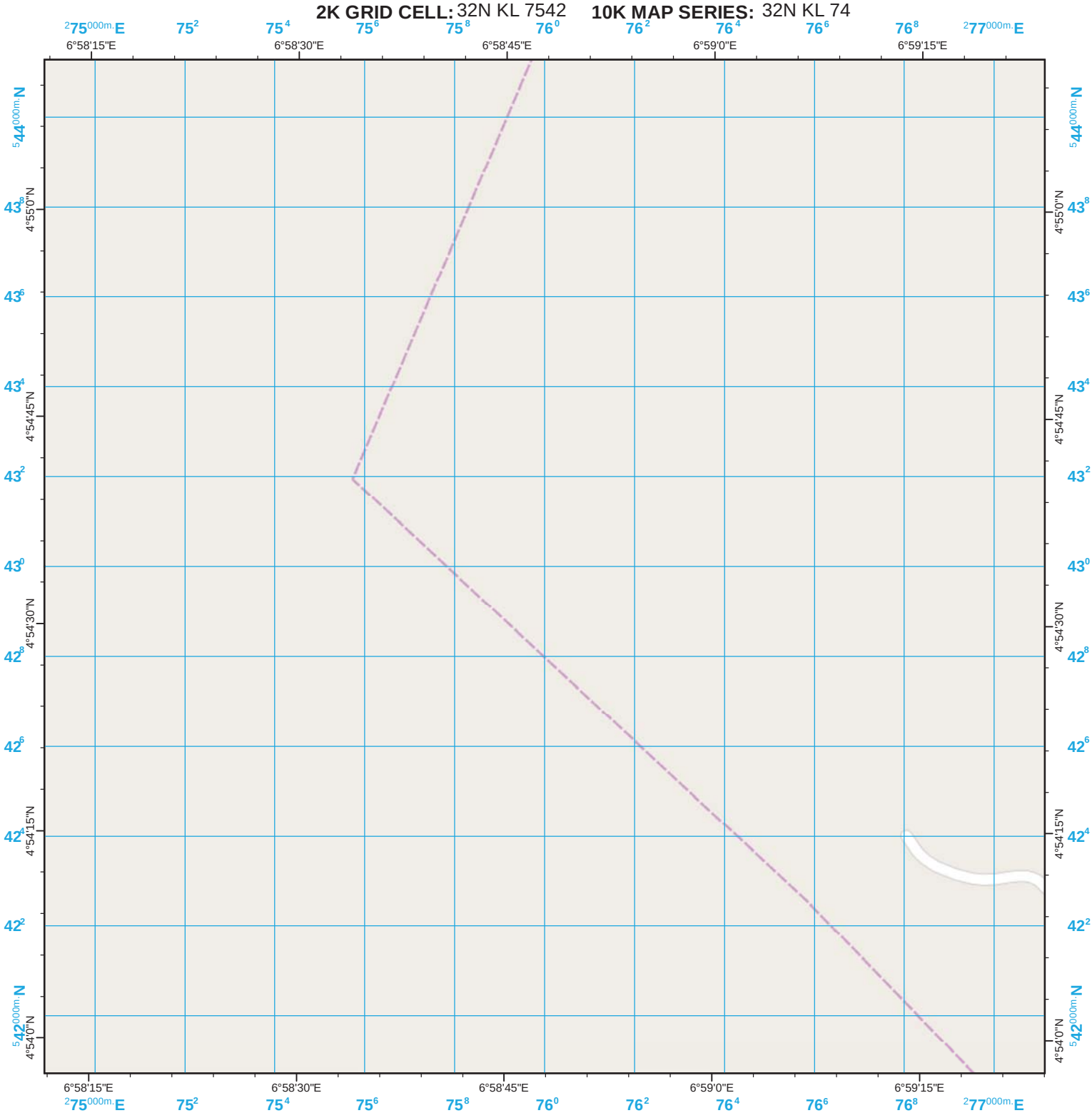


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7542 **10K MAP SERIES:** 32N KL 74



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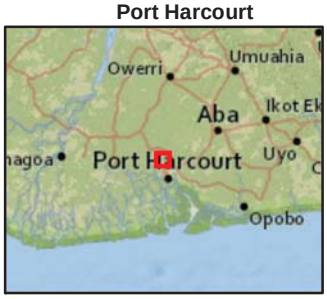

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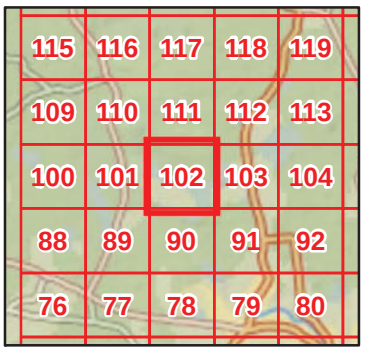
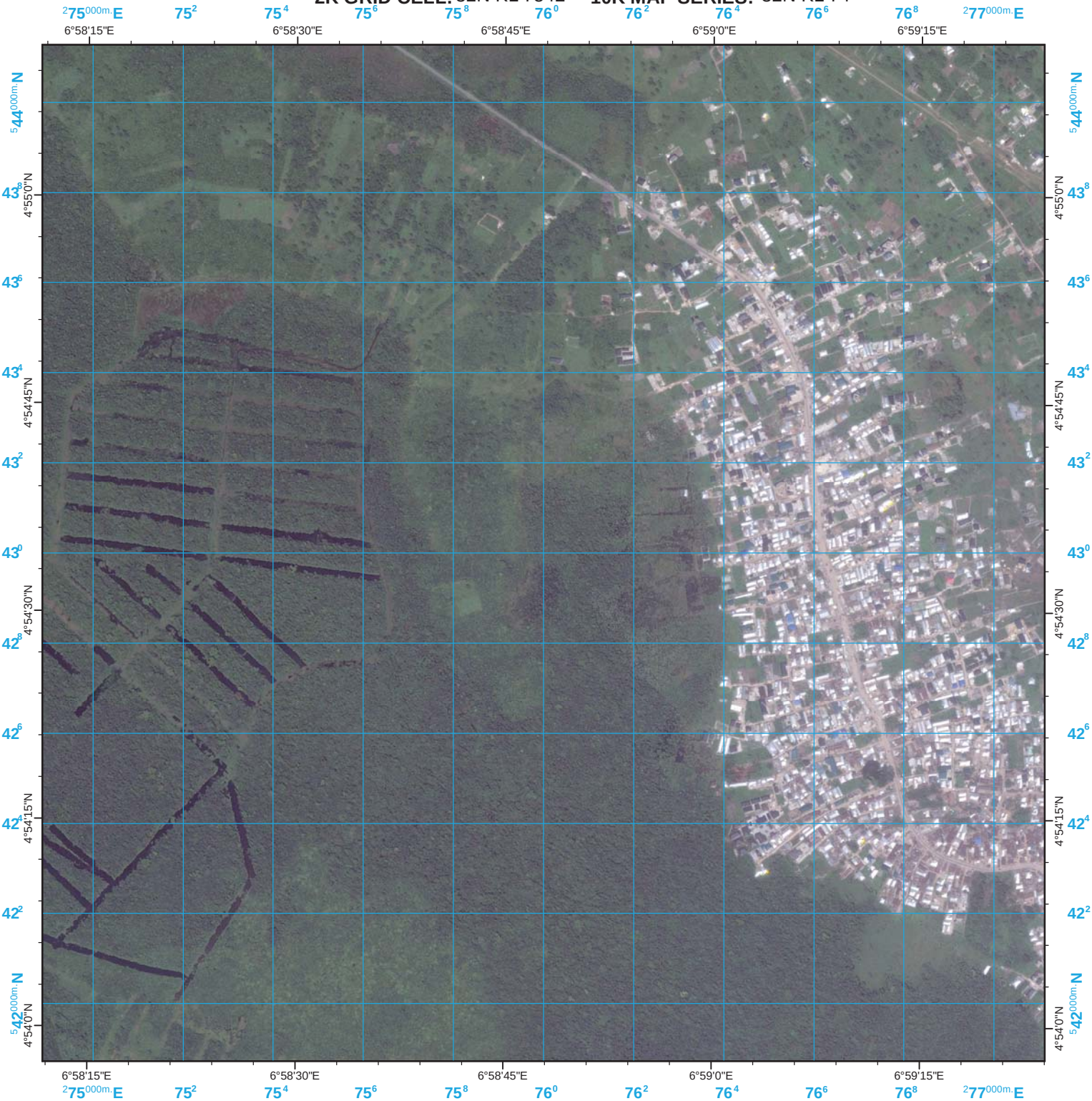


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7542 **10K MAP SERIES:** 32N KL 74



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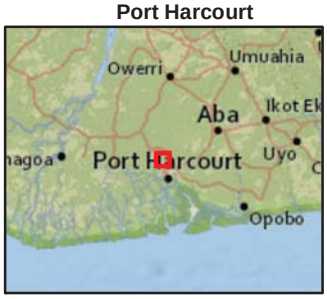

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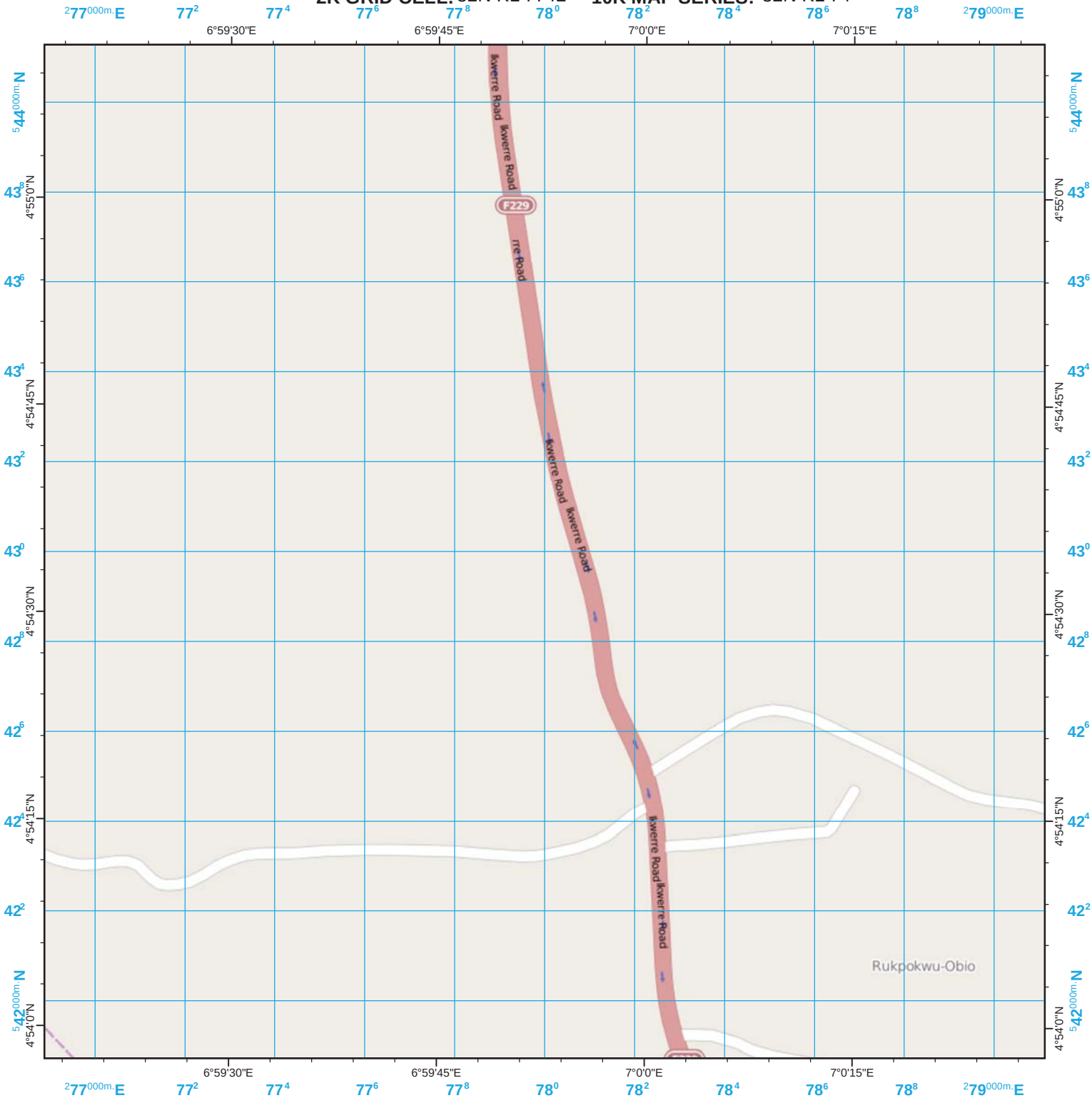
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7742 **10K MAP SERIES:** 32N KL 74



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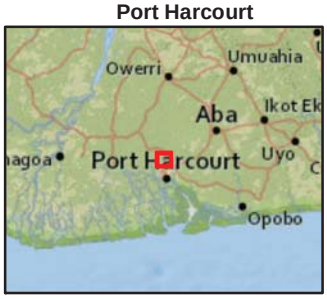

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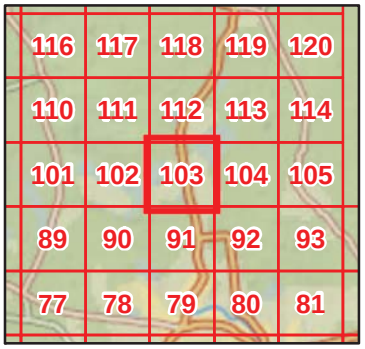

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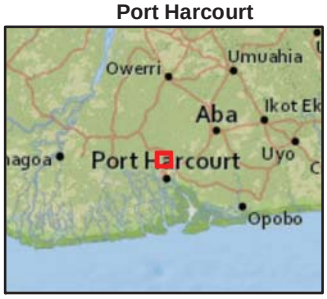

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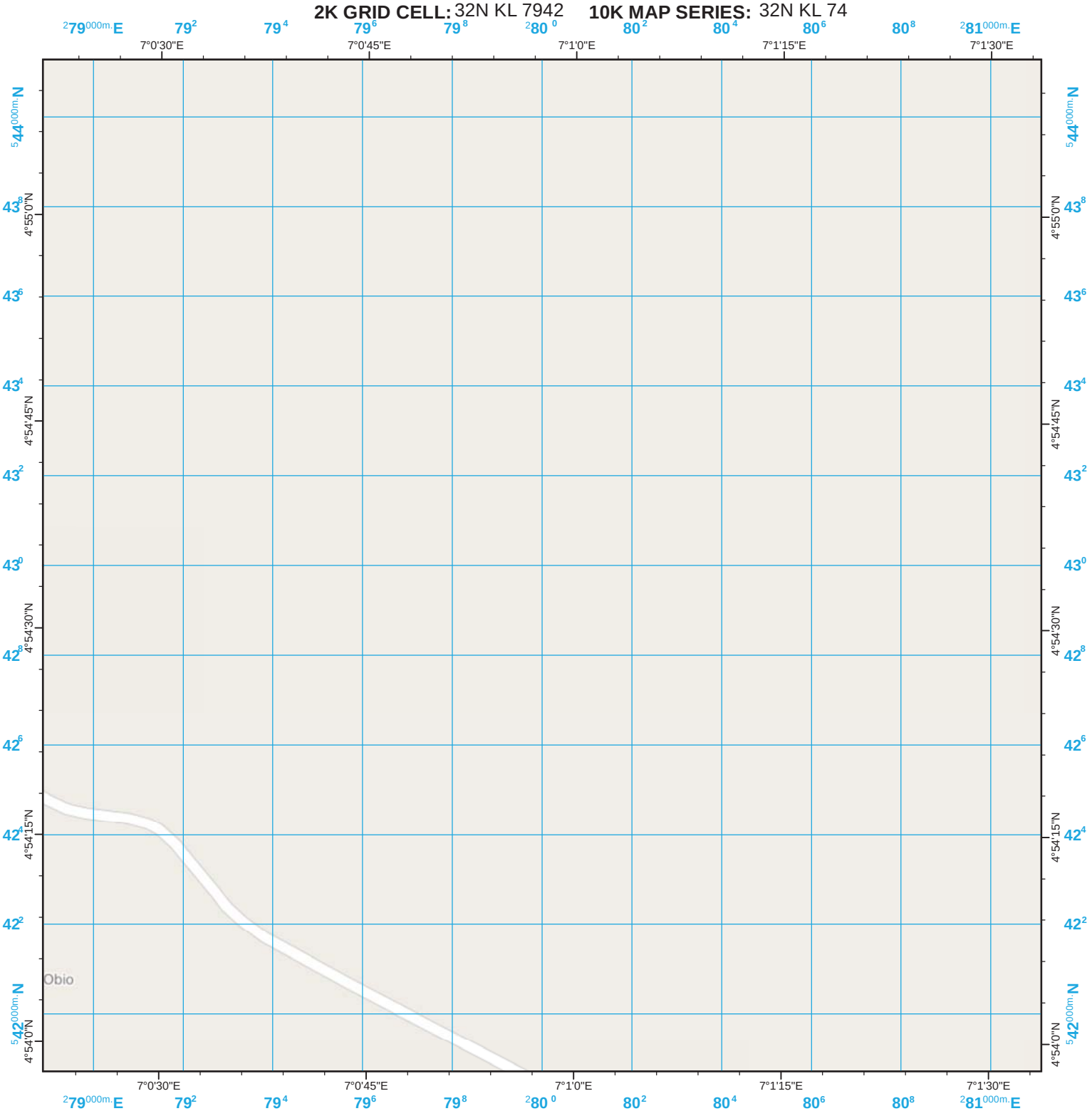
2K GRID CELL: 32N KL 7942 **10K MAP SERIES:** 32N KL 74



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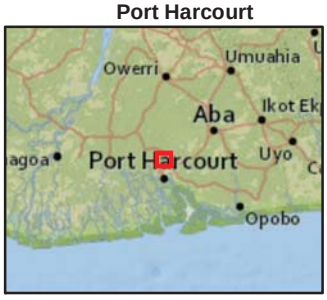
Port Harcourt



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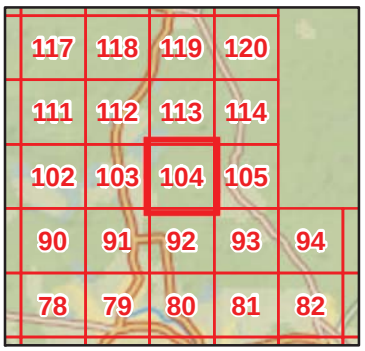

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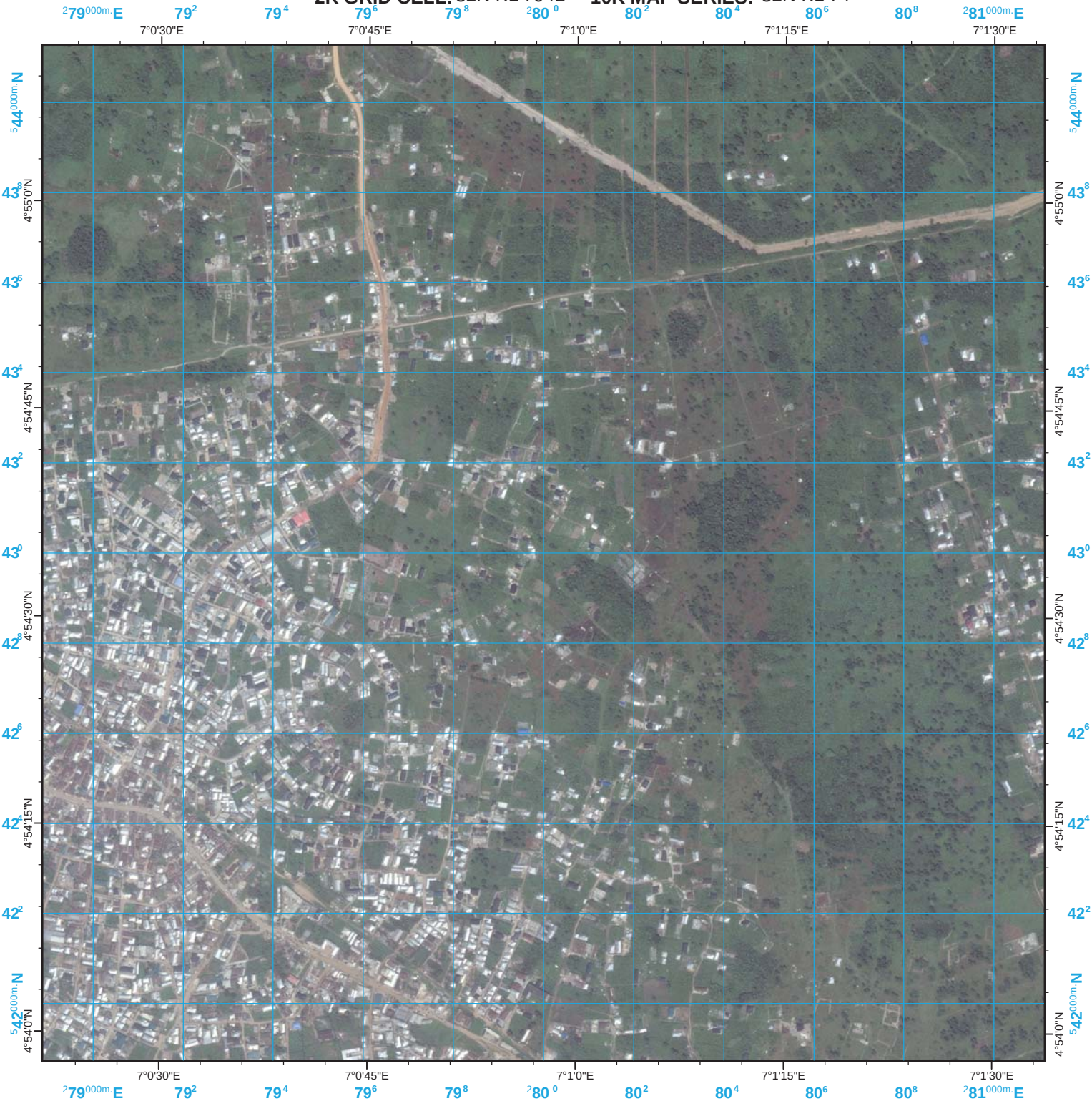
2K GRID CELL: 32N KL 7942 **10K MAP SERIES:** 32N KL 74



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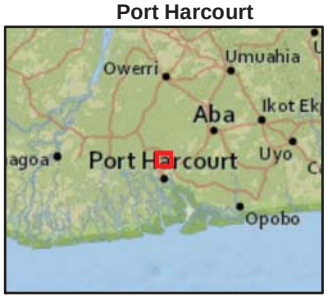
Port Harcourt



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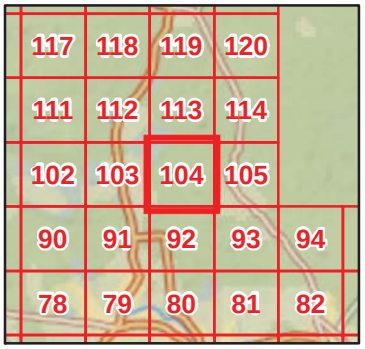
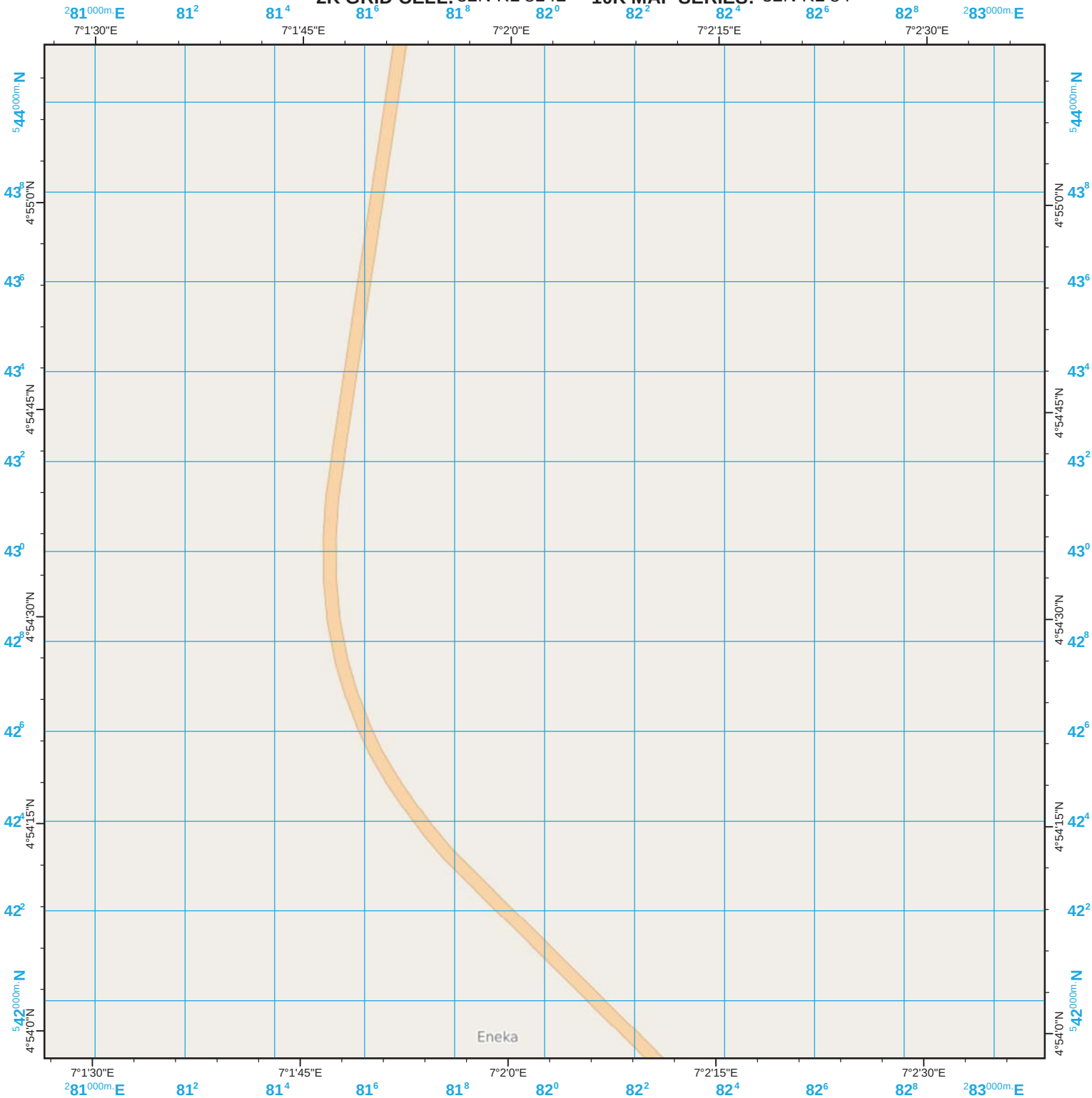


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8142 **10K MAP SERIES:** 32N KL 84



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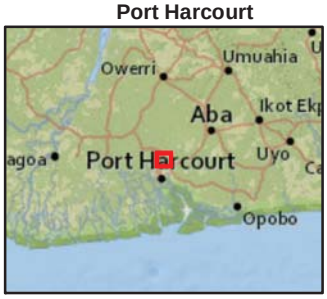

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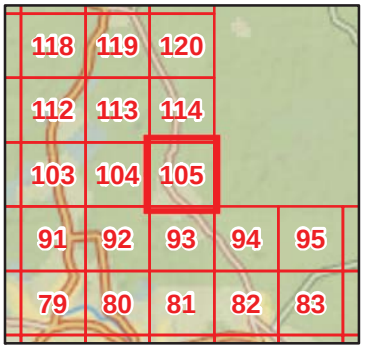
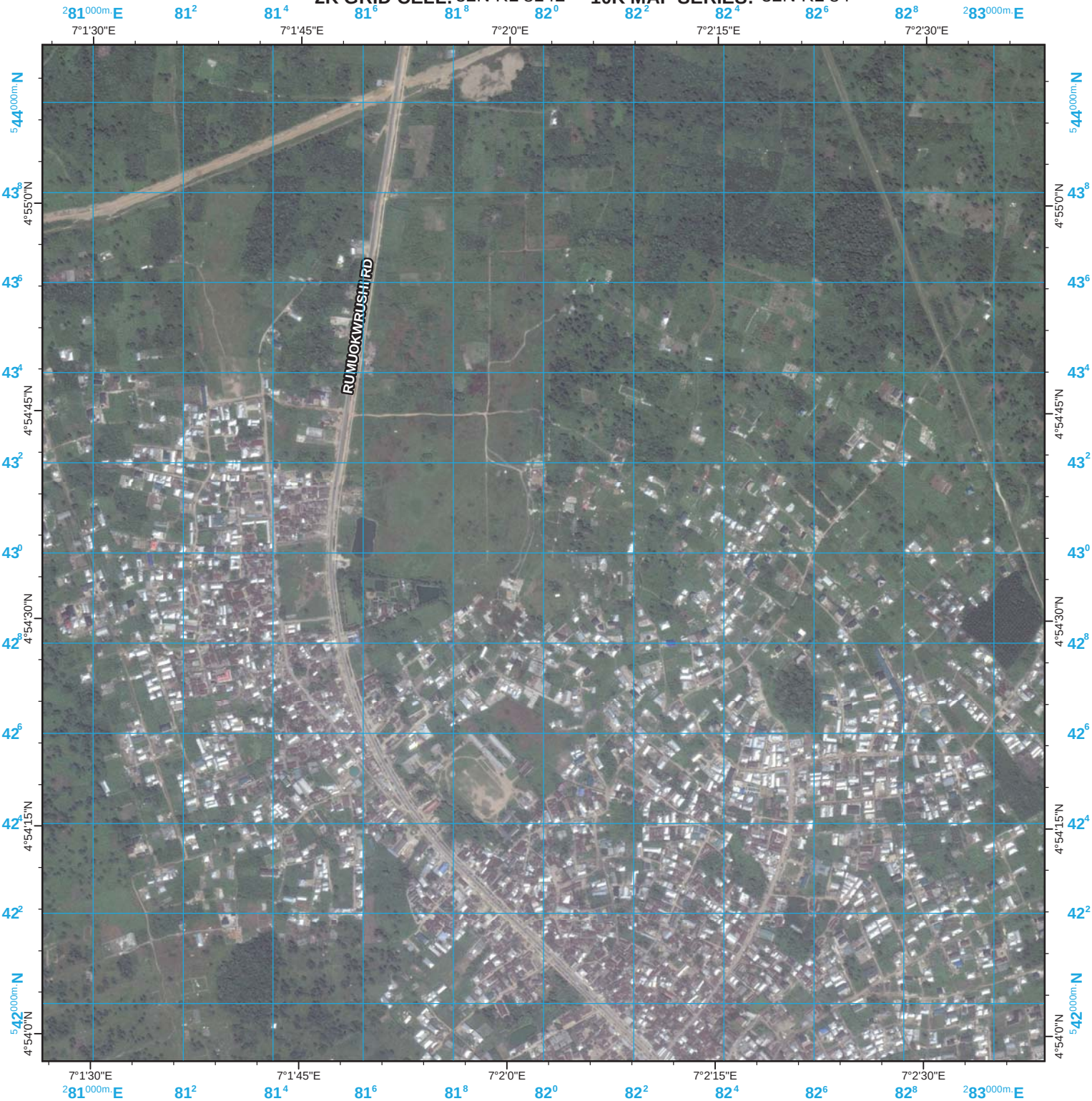


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8142 **10K MAP SERIES:** 32N KL 84



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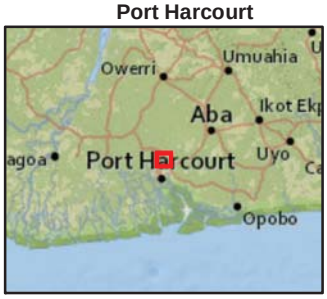

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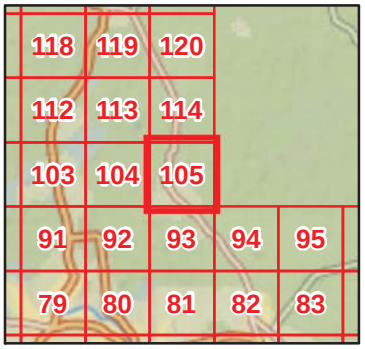

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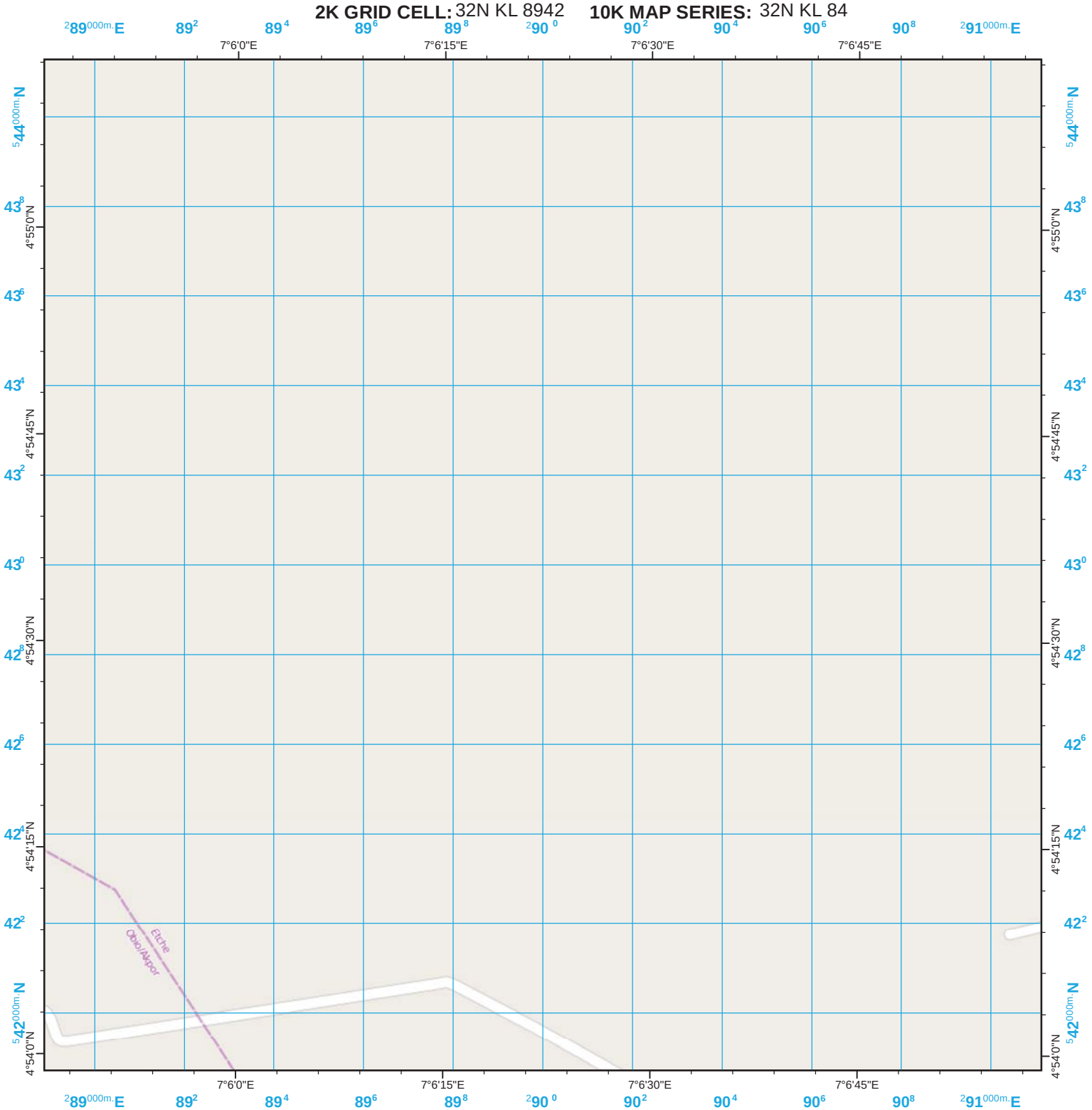

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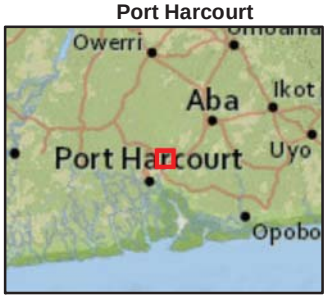

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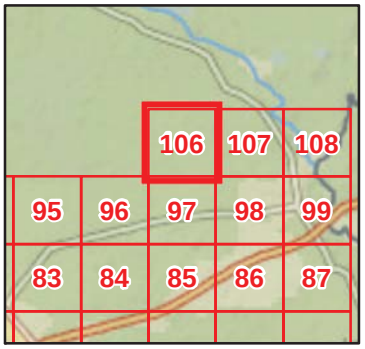
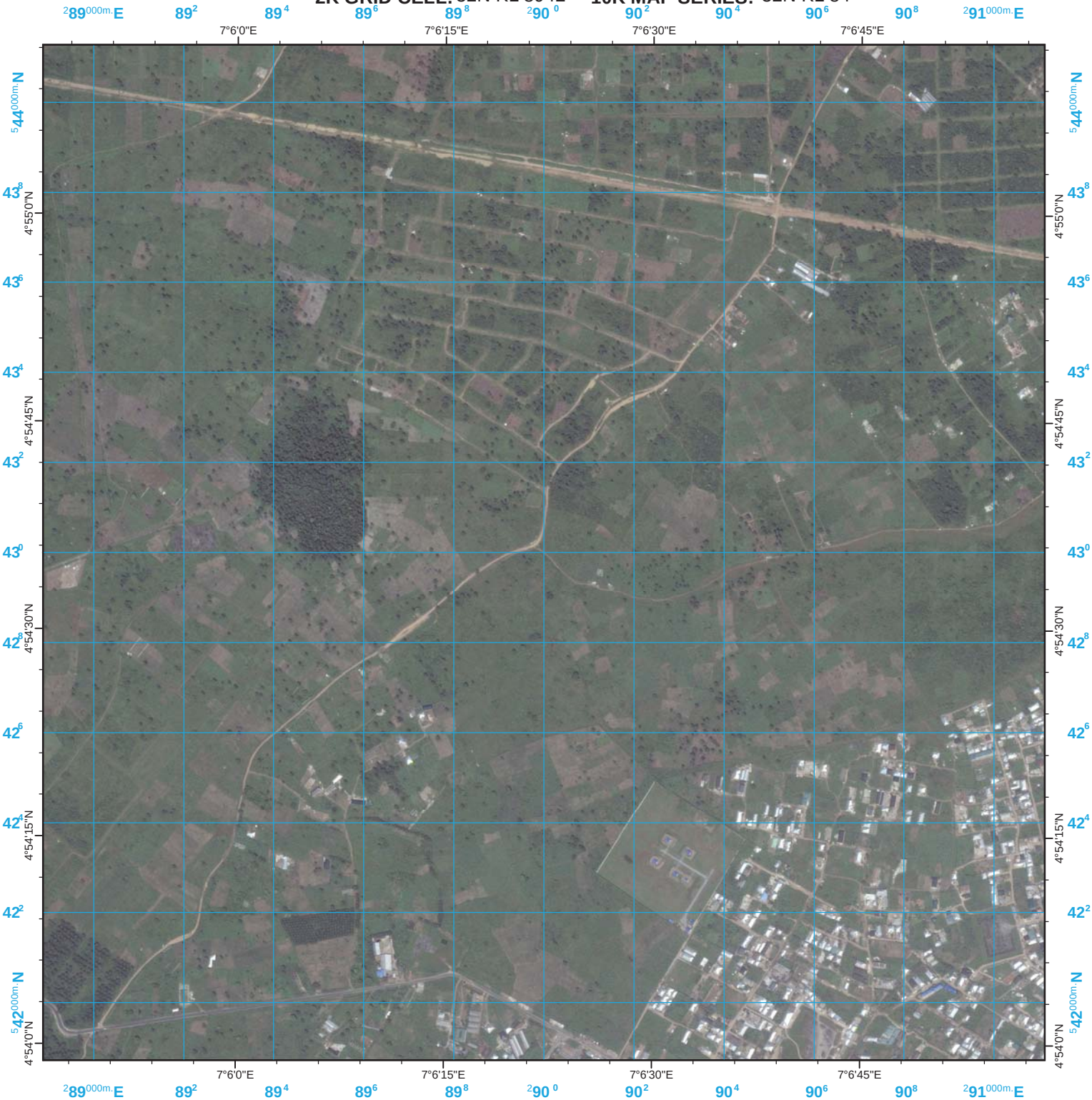


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8942 **10K MAP SERIES:** 32N KL 84



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
Imagery: ©2013 DigitalGlobe
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
- HOTEL
- MEDICAL SERVICES
- MOSQUE
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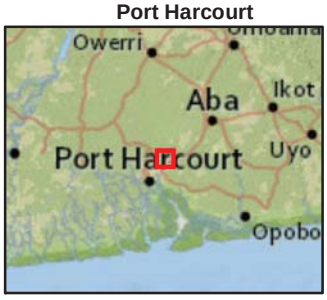
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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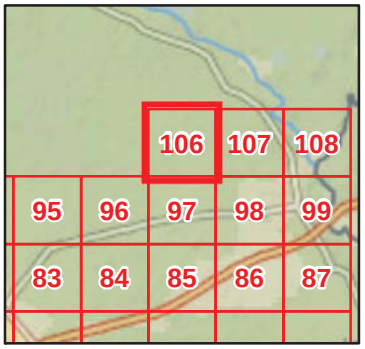
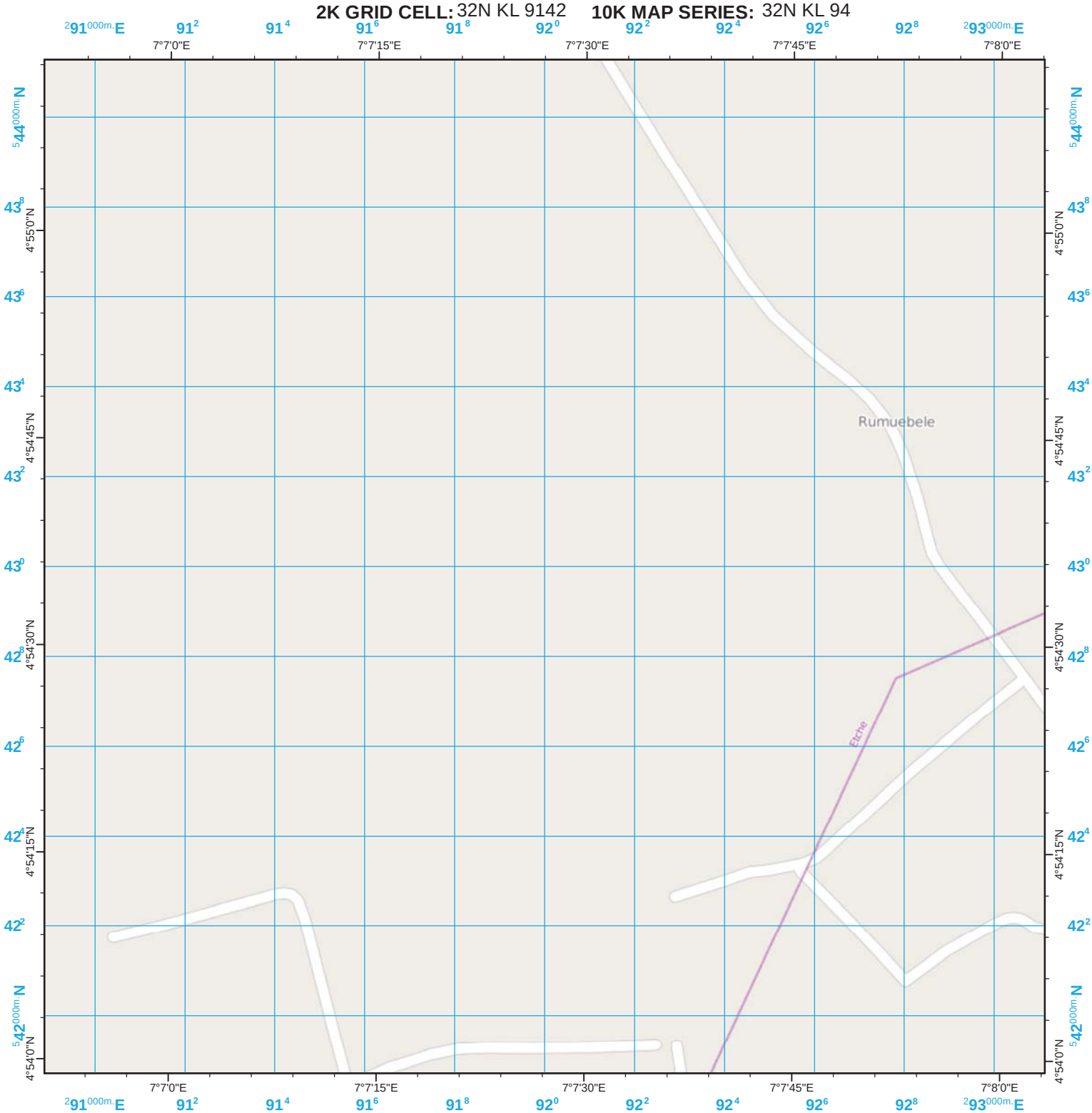


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9142 **10K MAP SERIES:** 32N KL 94



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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- SHOPPING
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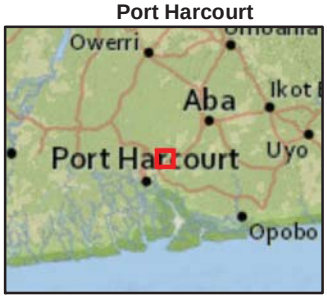
Port Harcourt



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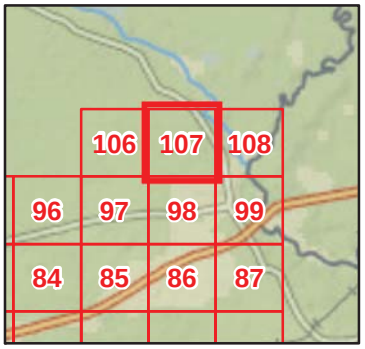

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9142 **10K MAP SERIES:** 32N KL 94

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- PRISON
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- SHOPPING
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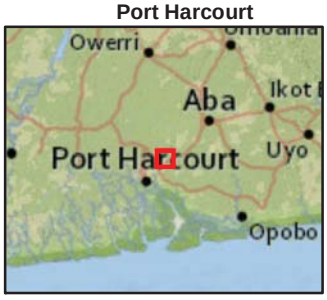
- DINING

Port Harcourt



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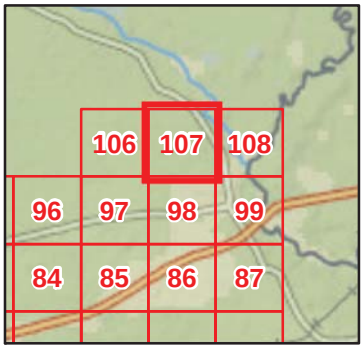
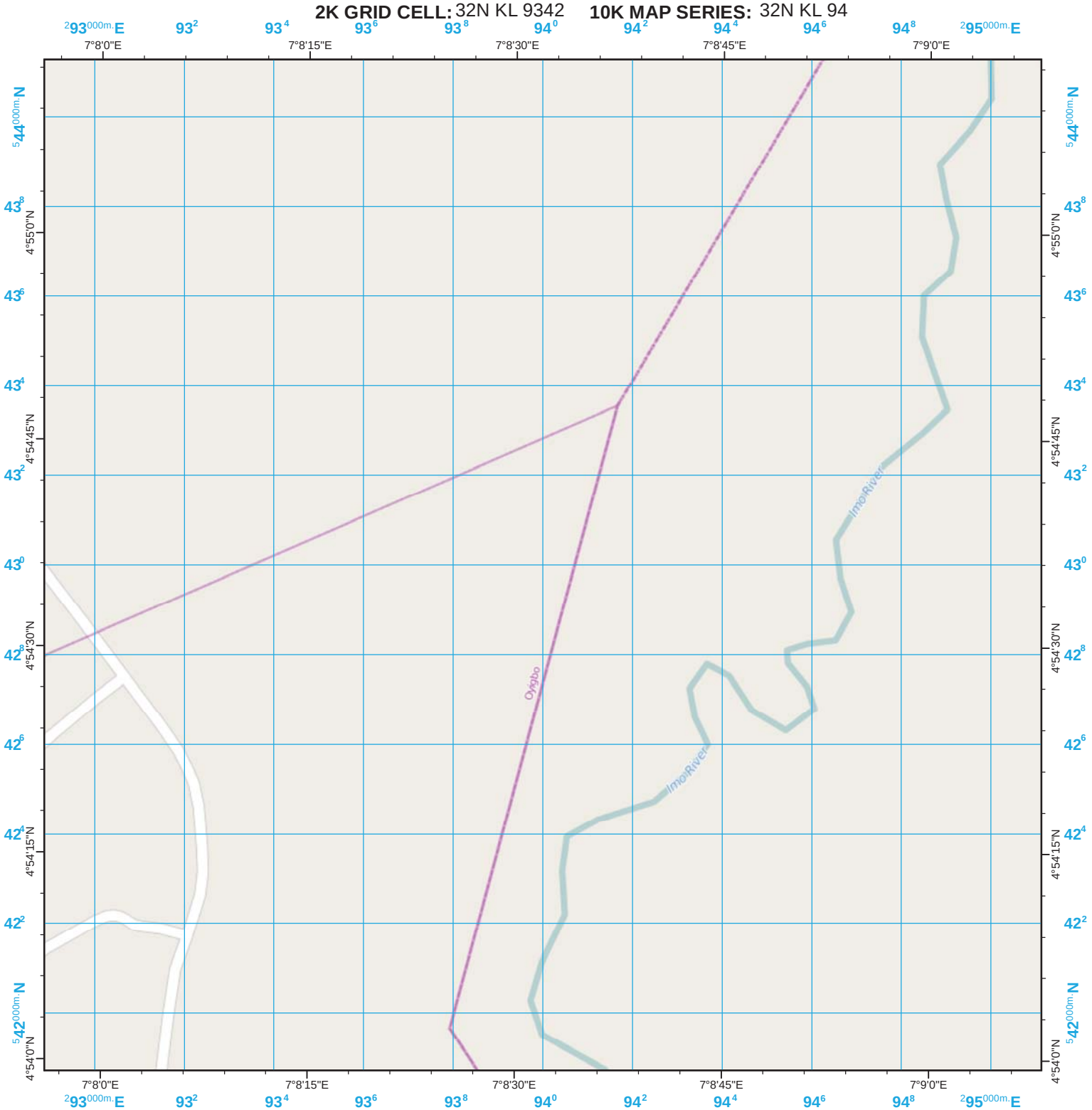


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9342 **10K MAP SERIES:** 32N KL 94



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- COMMUNITY CENTER
- COURT
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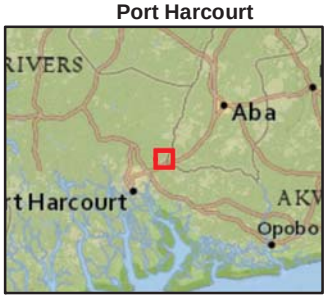
Port Harcourt



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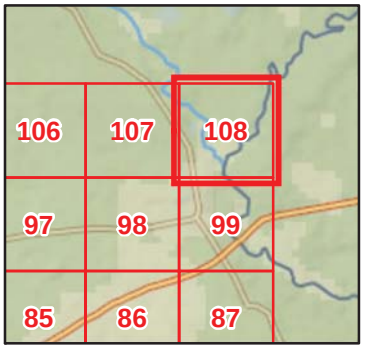
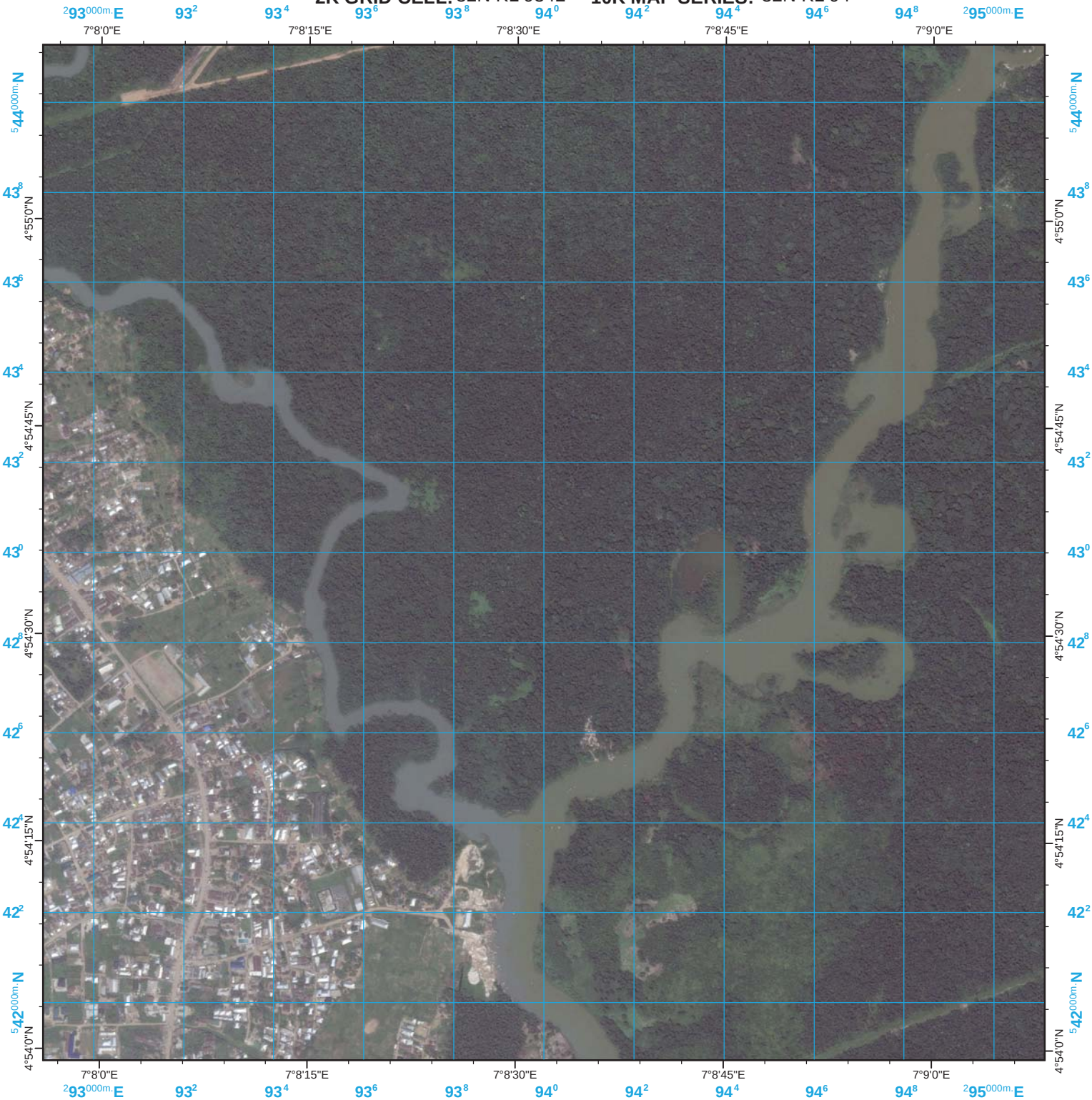


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 9342 **10K MAP SERIES:** 32N KL 94



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

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0 250 500 1,000 1,500 2,000 2,500 Feet

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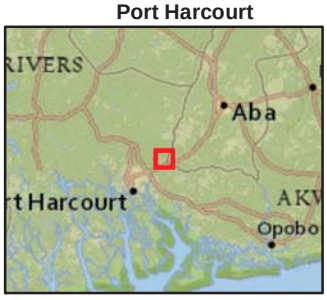
Port Harcourt



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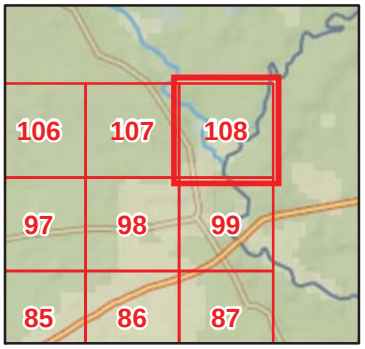
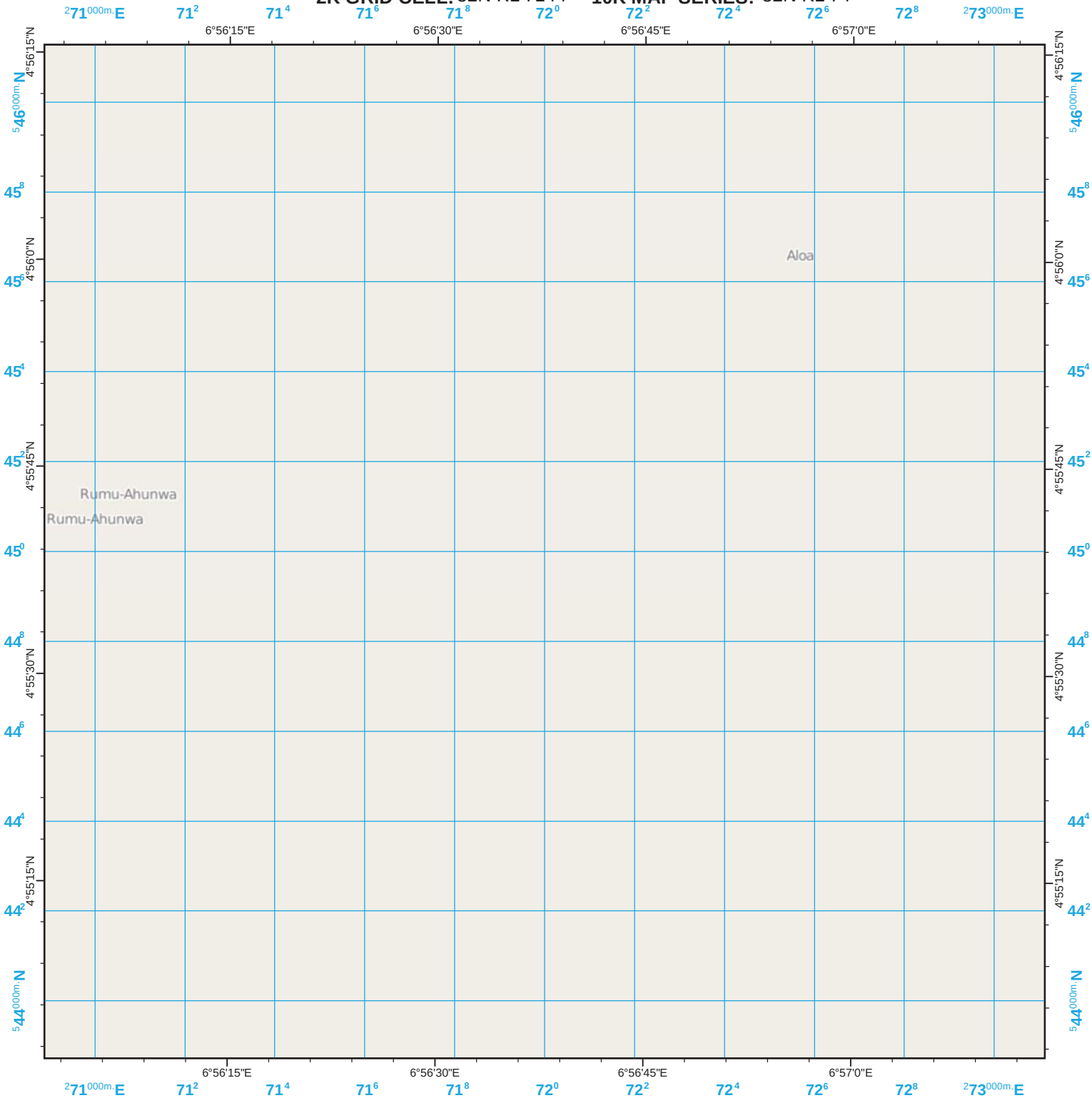


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7144 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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1:12,000 Scale

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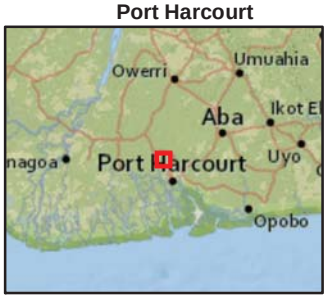
0 250 500 1,000 1,500 2,000 2,500 Feet

Port Harcourt



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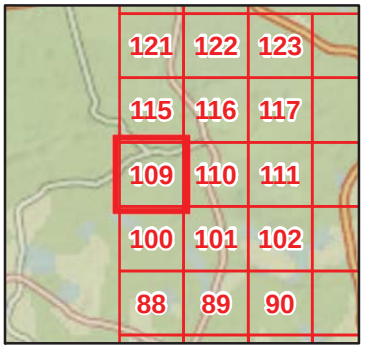

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
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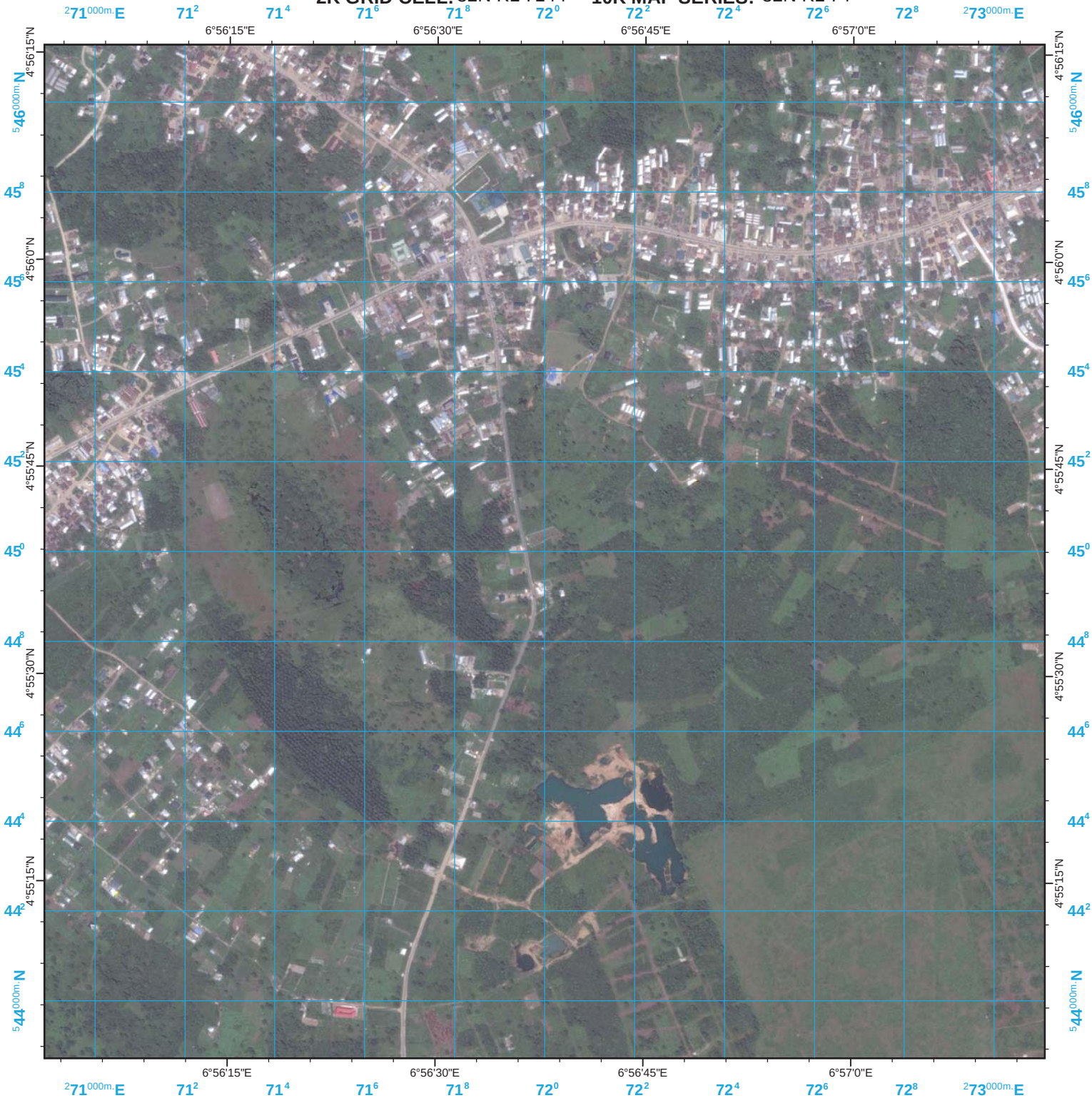
- STADIUM
- DINING

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7144 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- COMMUNITY CENTER
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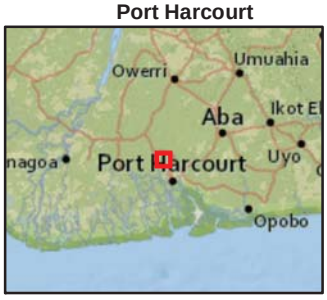
- STADIUM
- DINING

Port Harcourt



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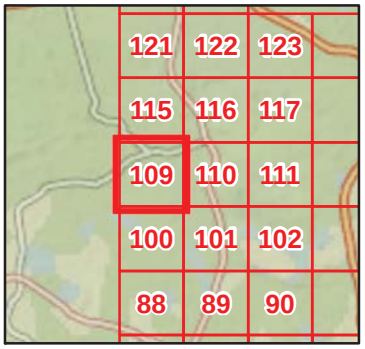
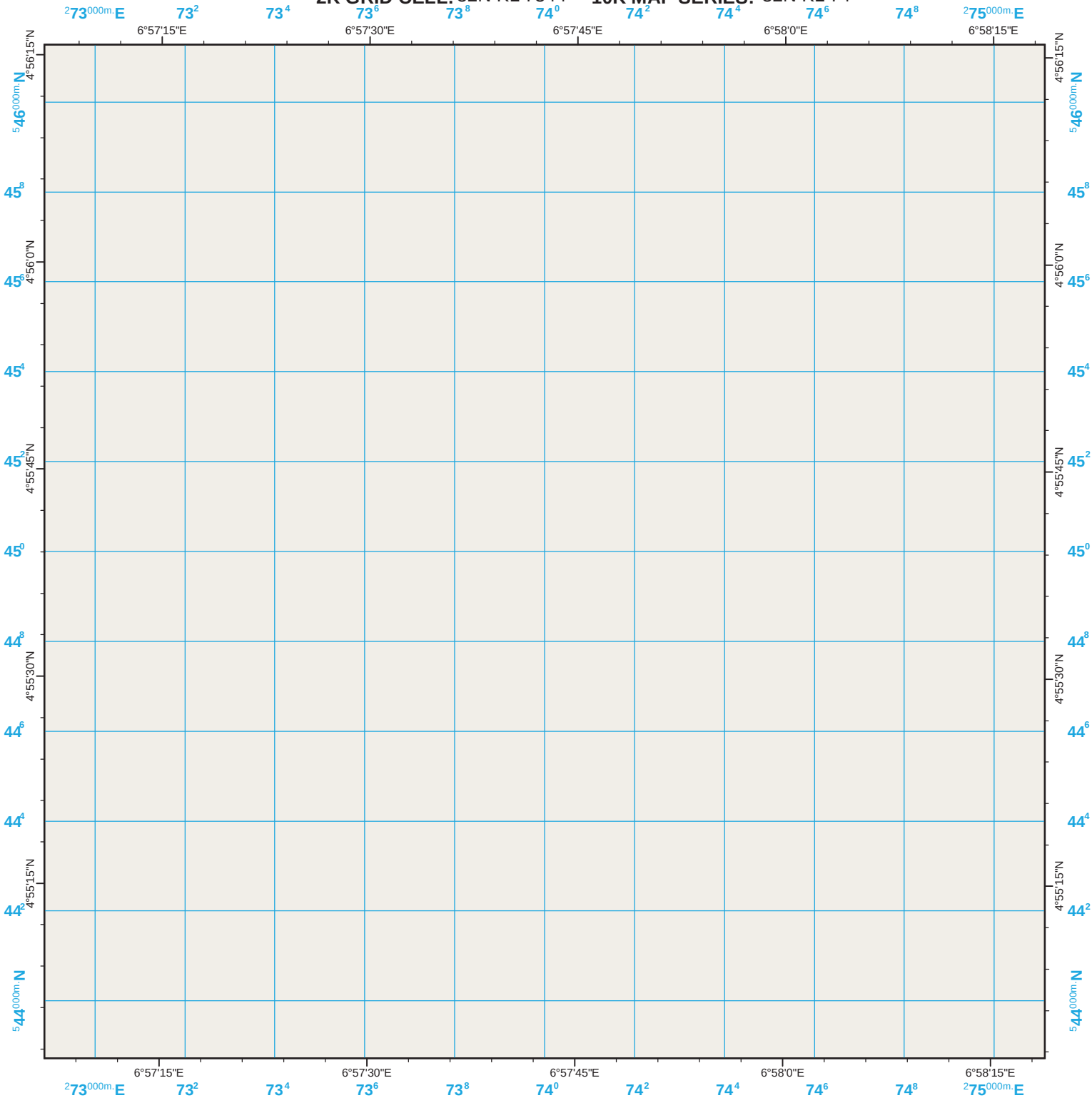


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7344 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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- POINT OF INTEREST
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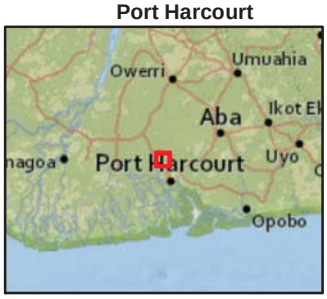
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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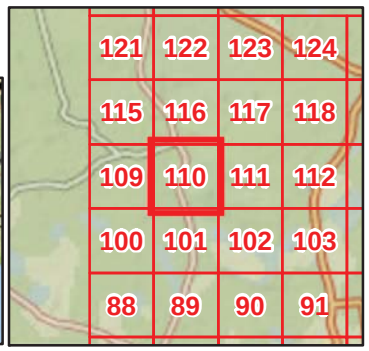

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7344 **10K MAP SERIES:** 32N KL 74

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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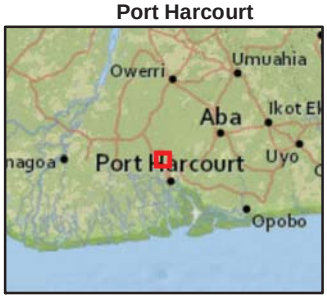
Port Harcourt



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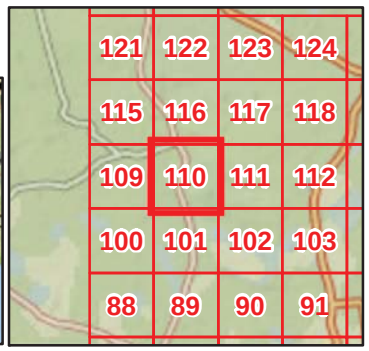
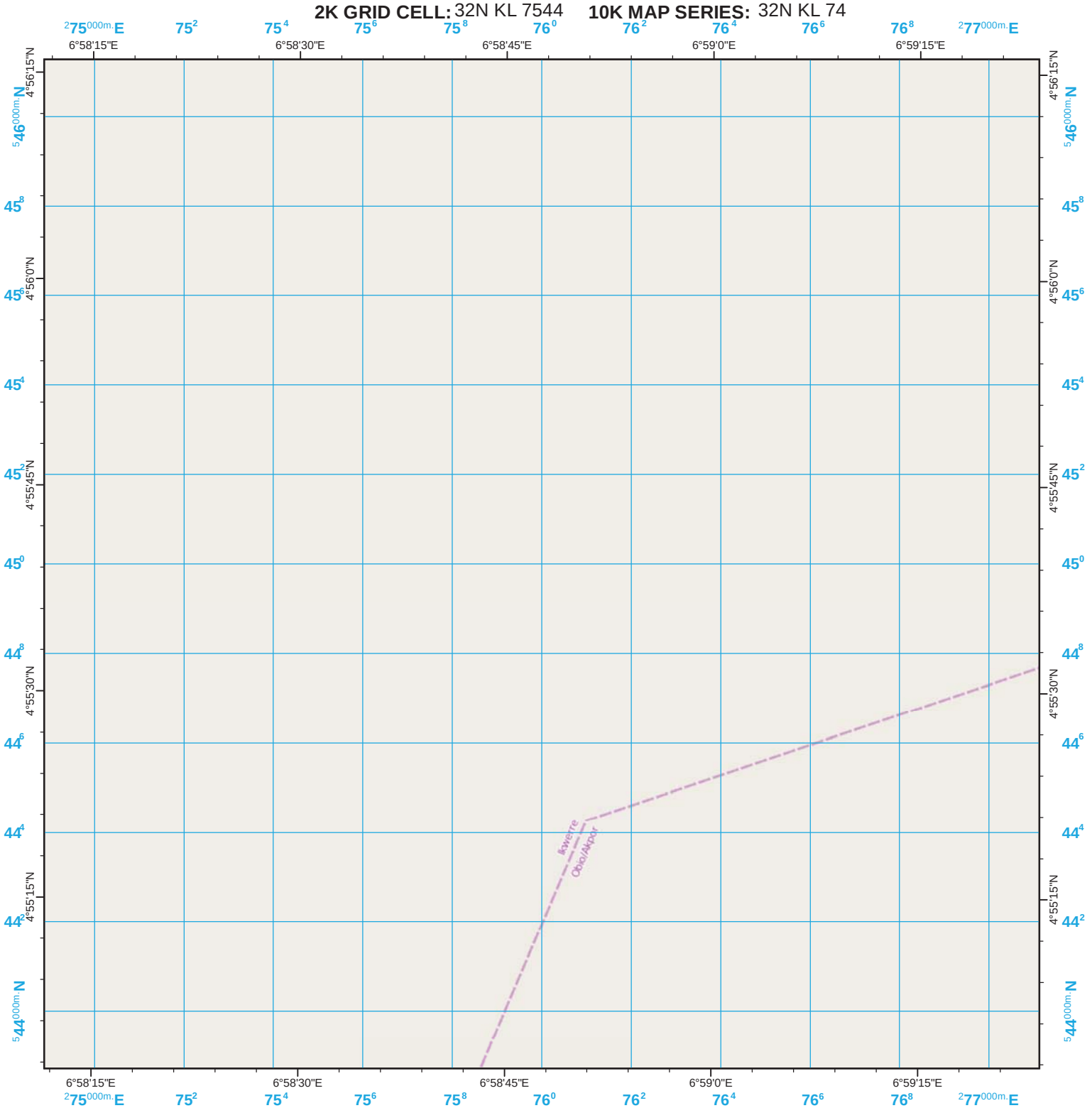


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7544 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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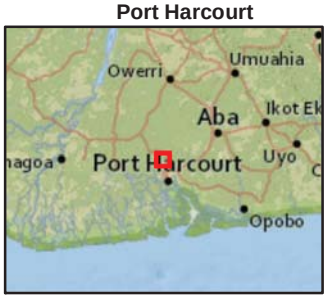
Port Harcourt



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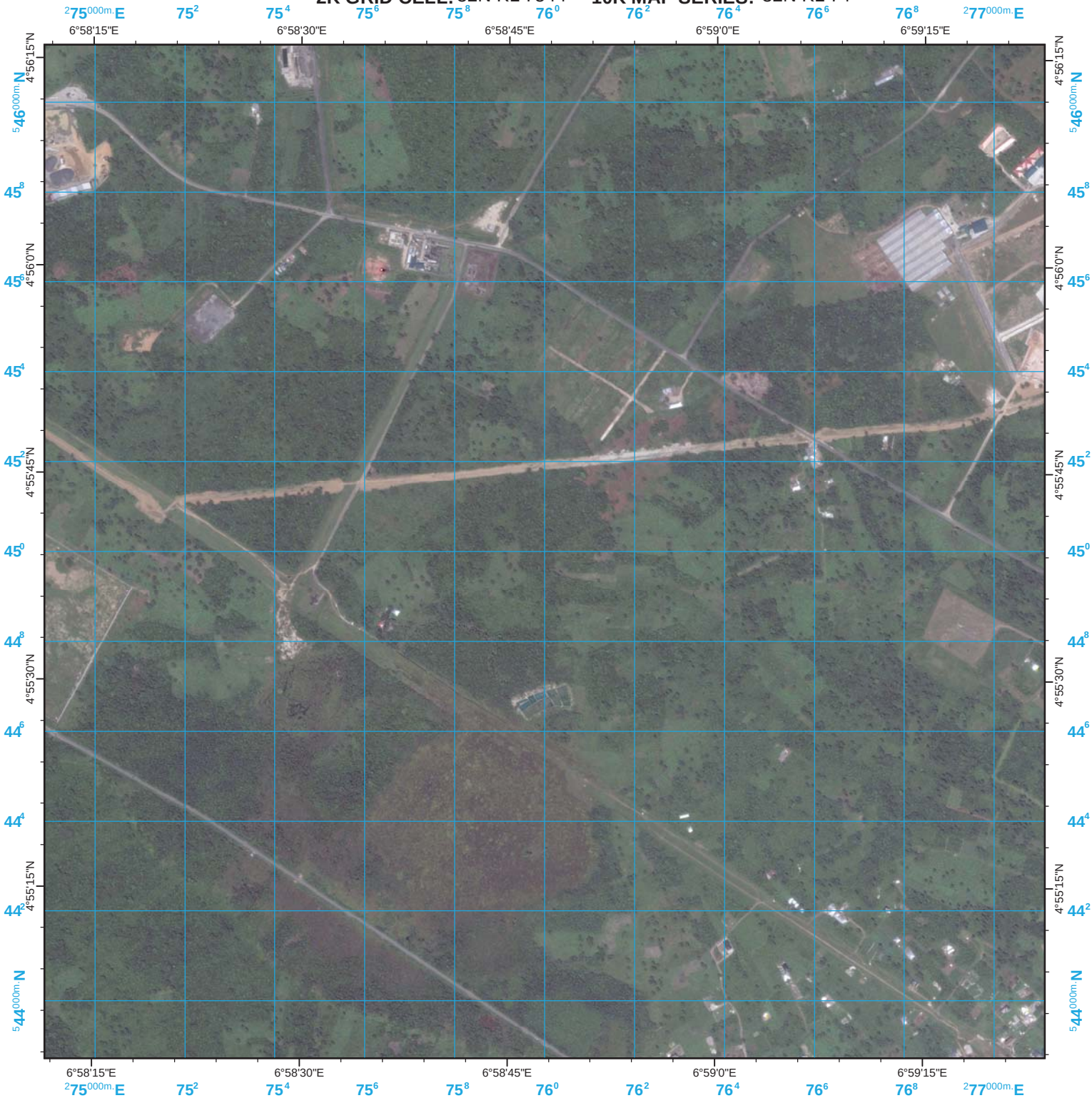
2K GRID CELL: 32N KL 7544 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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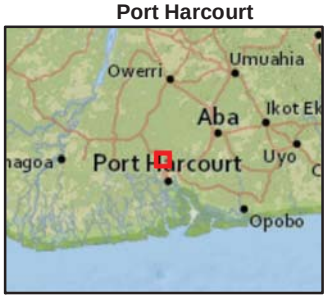
Port Harcourt



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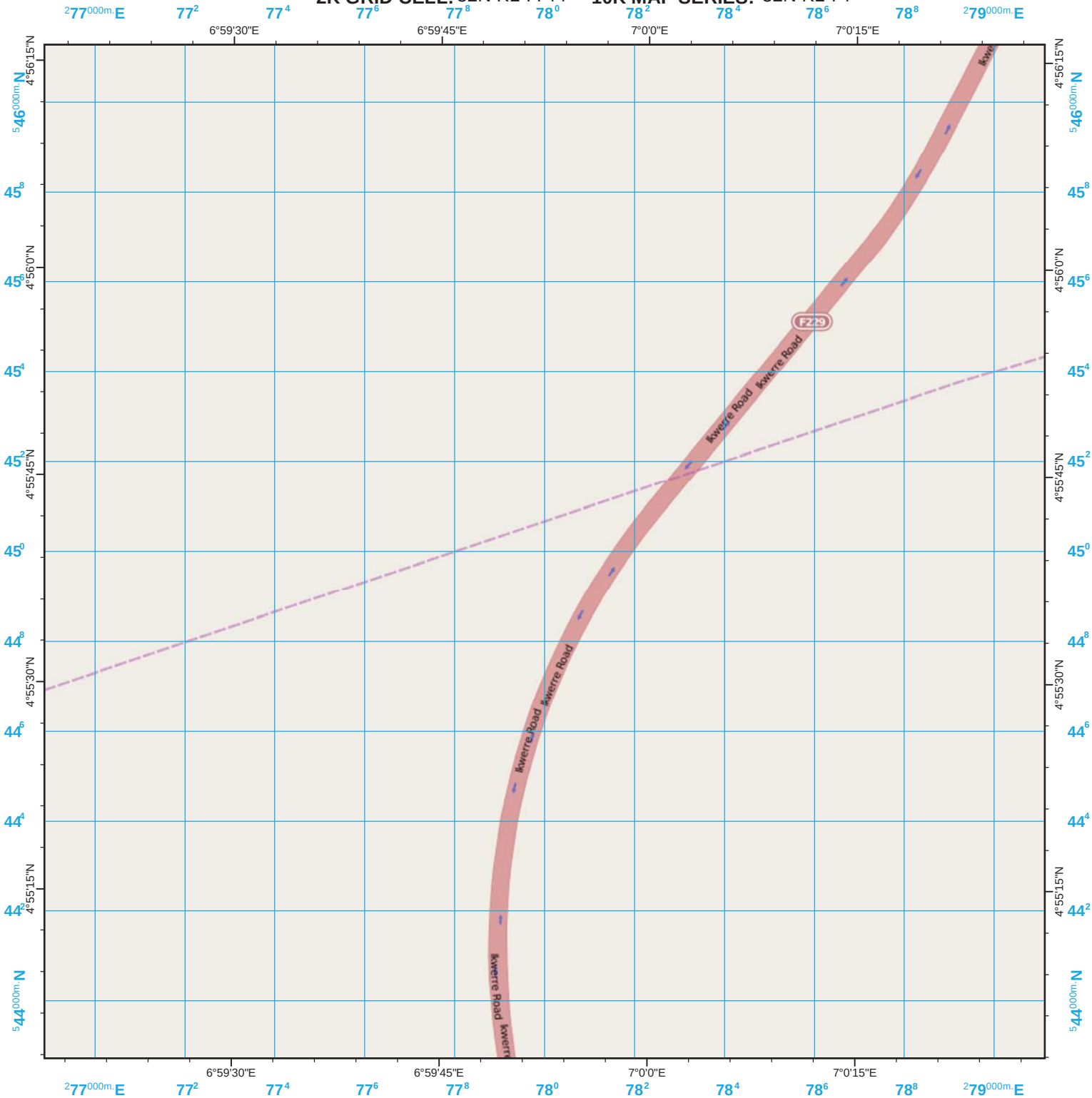
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7744 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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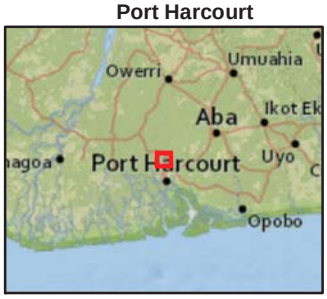
Port Harcourt



MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
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- MOSQUE
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PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7744 **10K MAP SERIES:** 32N KL 74

2000-m cell, 200-m grid, MGRS
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100,000-m Square Grid: KL
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1:12,000 Scale

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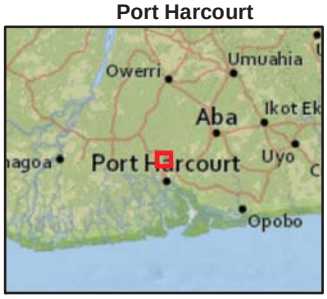
Port Harcourt



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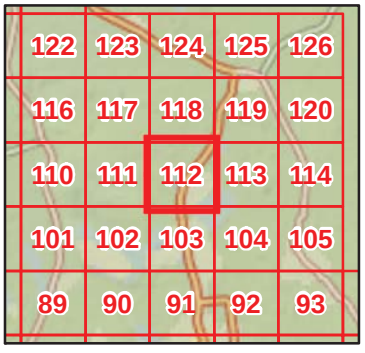
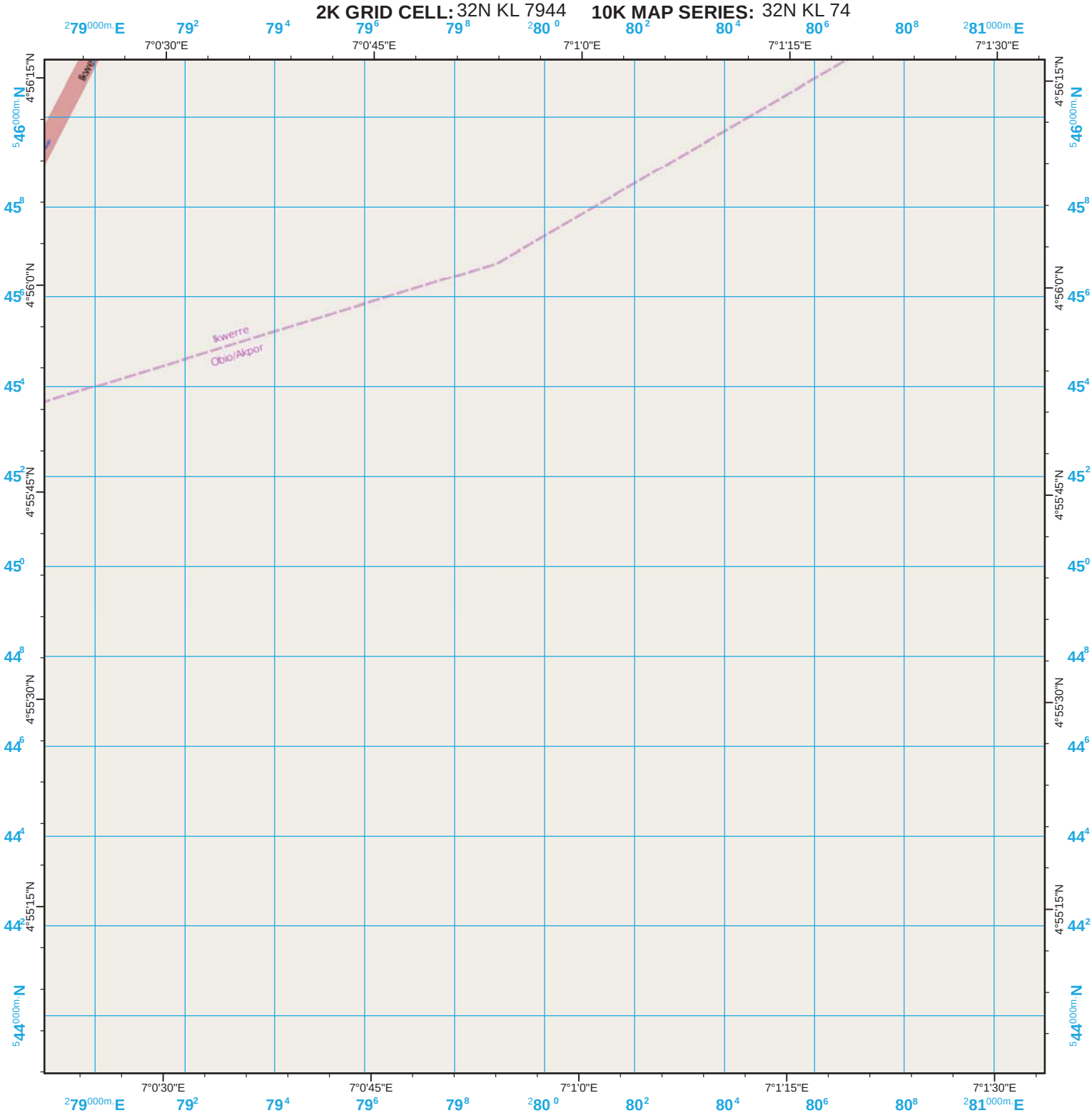


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7944 **10K MAP SERIES:** 32N KL 74



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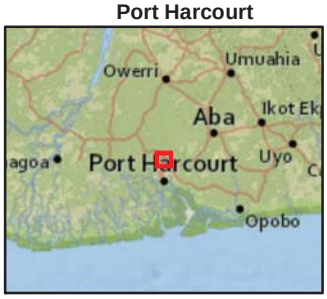
Port Harcourt



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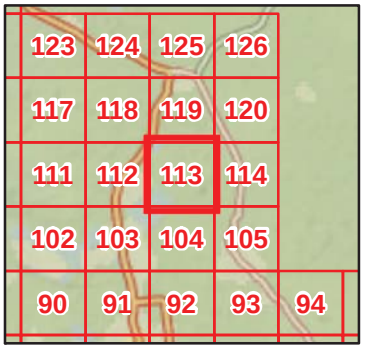

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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- CINEMA
- COMMUNITY CENTER
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2K GRID CELL: 32N KL 7944 **10K MAP SERIES:** 32N KL 74

2000-m cell, 200-m grid, MGRS
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Grid Zone Designation
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0 50 100 200 300 400 500 Meters

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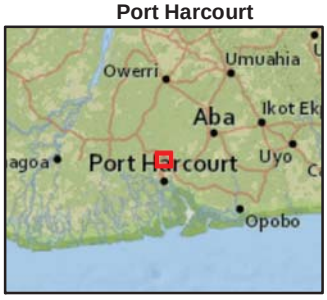
Port Harcourt



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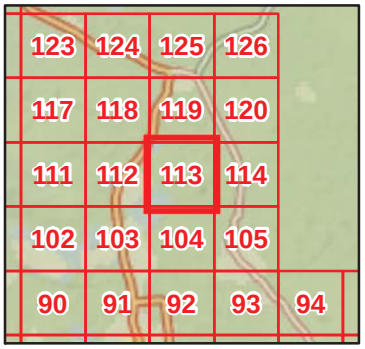
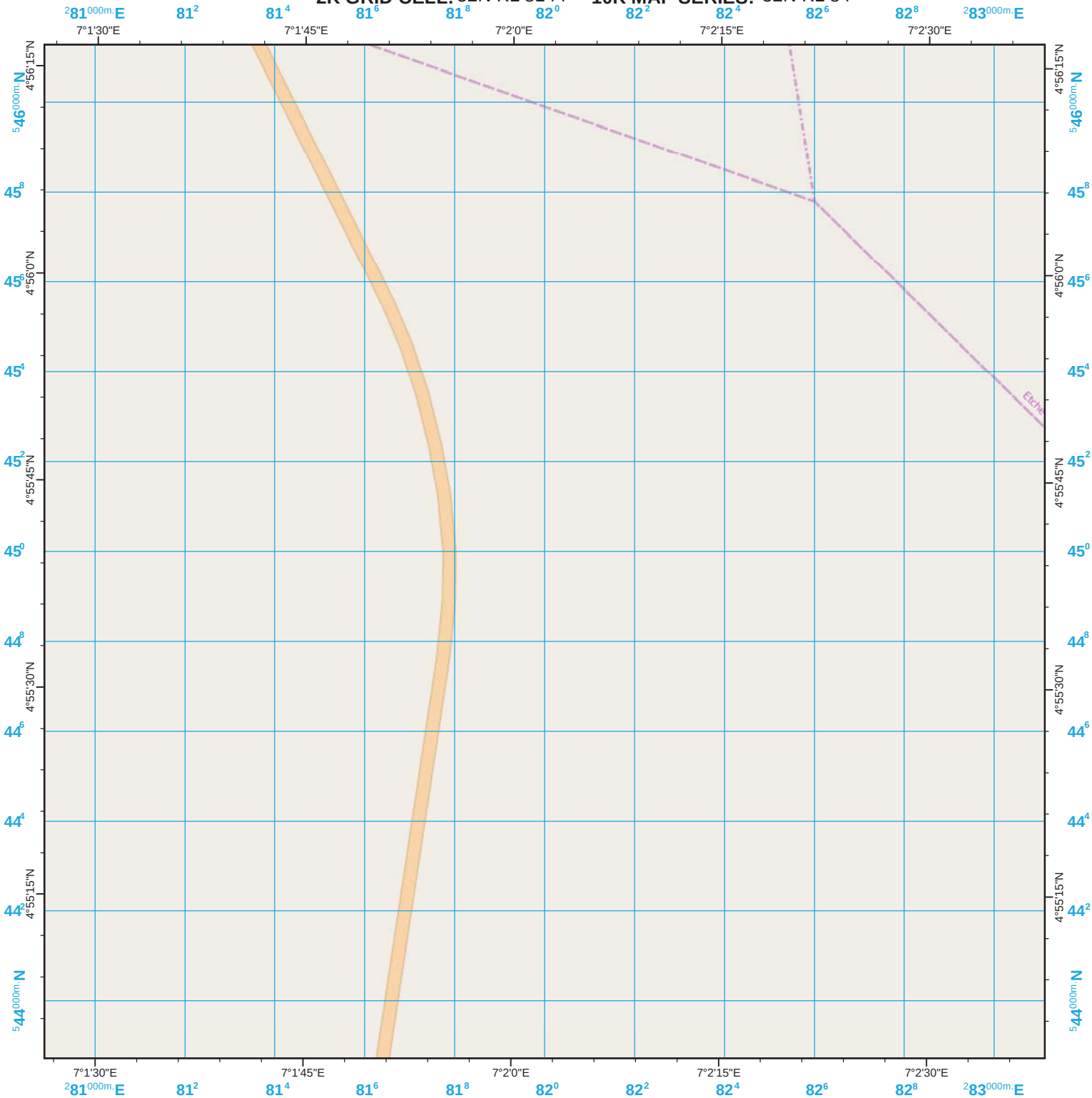


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8144 **10K MAP SERIES:** 32N KL 84



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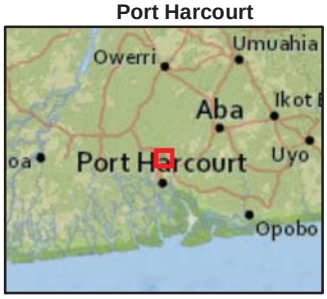

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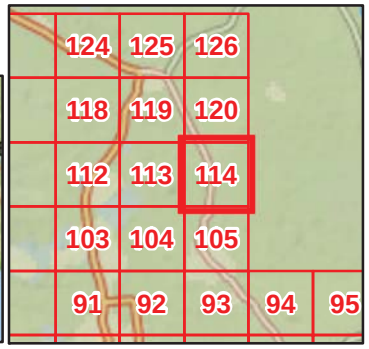
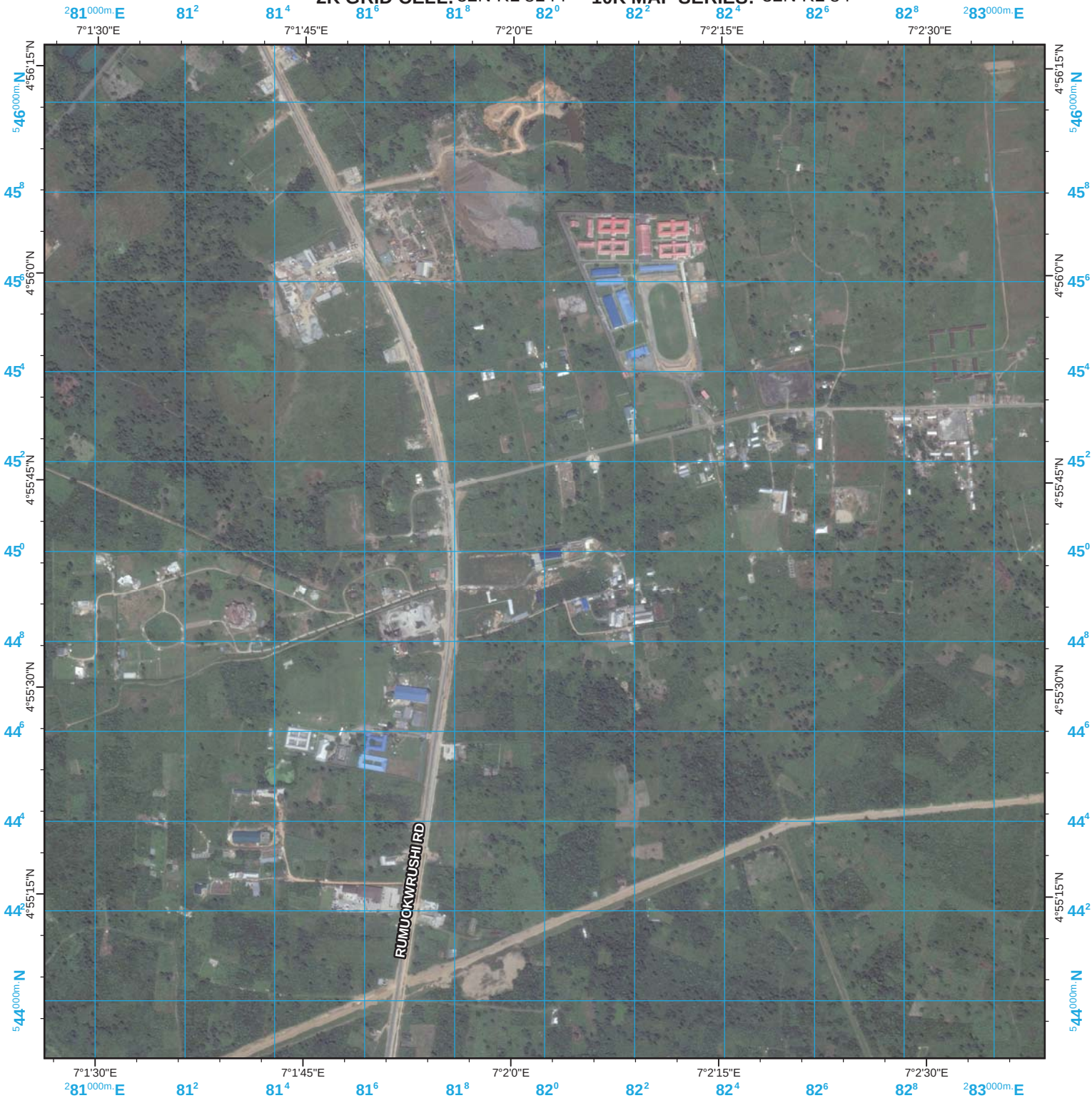


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8144 **10K MAP SERIES:** 32N KL 84



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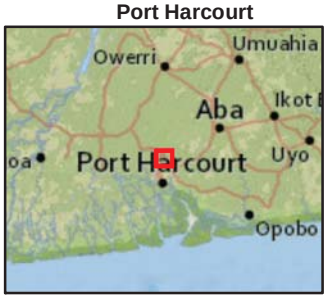
Port Harcourt



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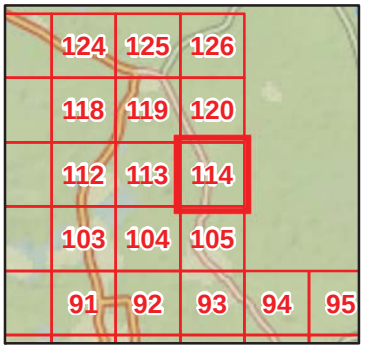
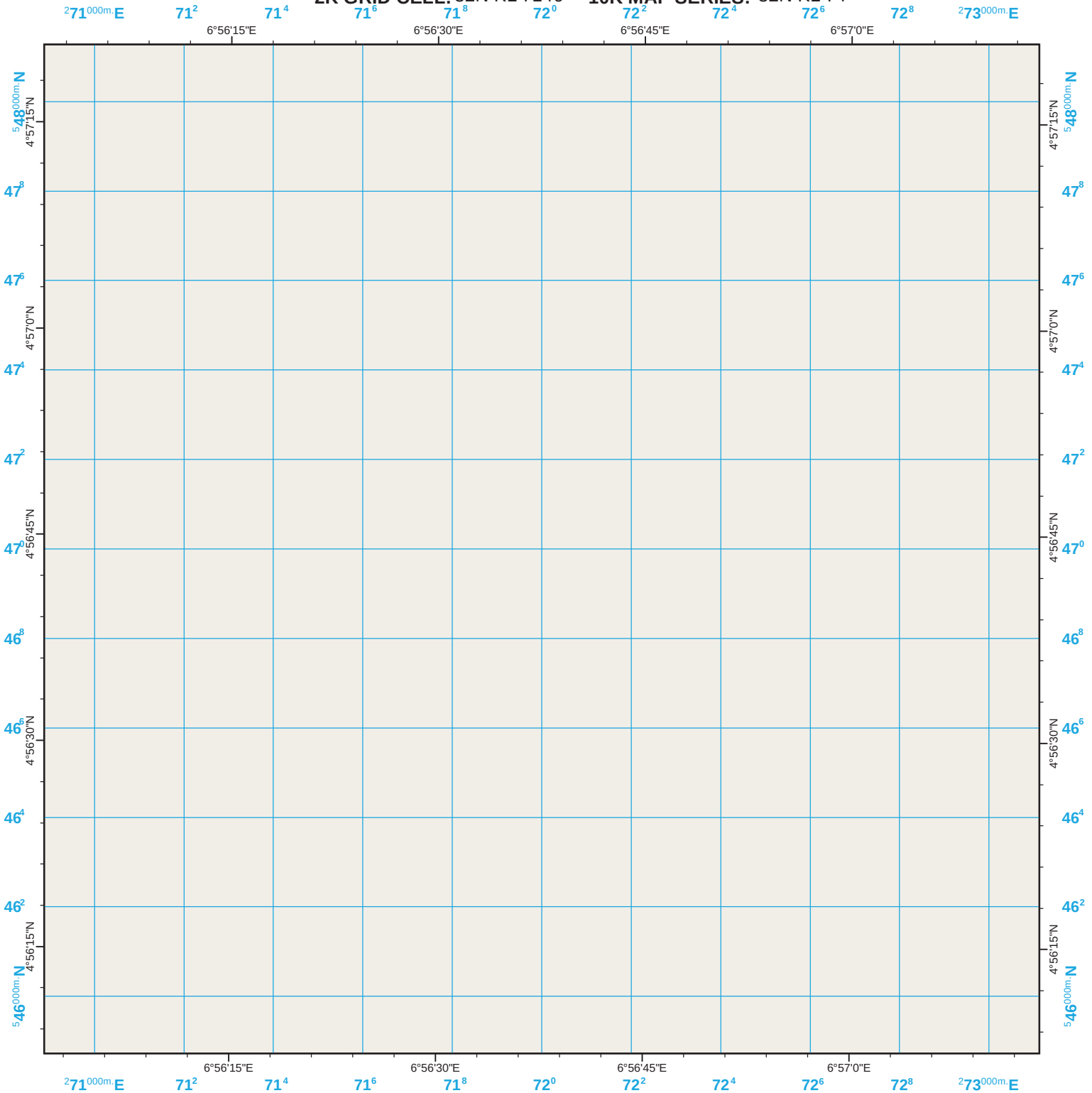


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7146 **10K MAP SERIES:** 32N KL 74



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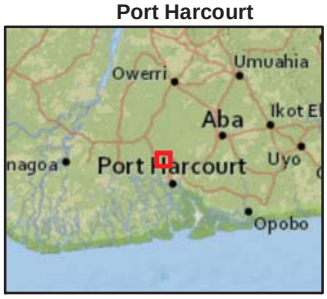
Port Harcourt



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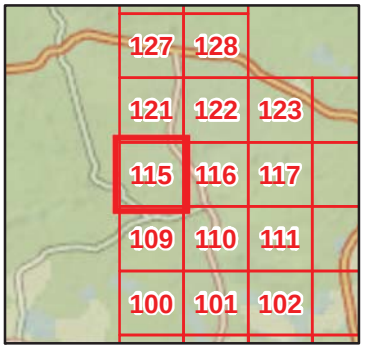
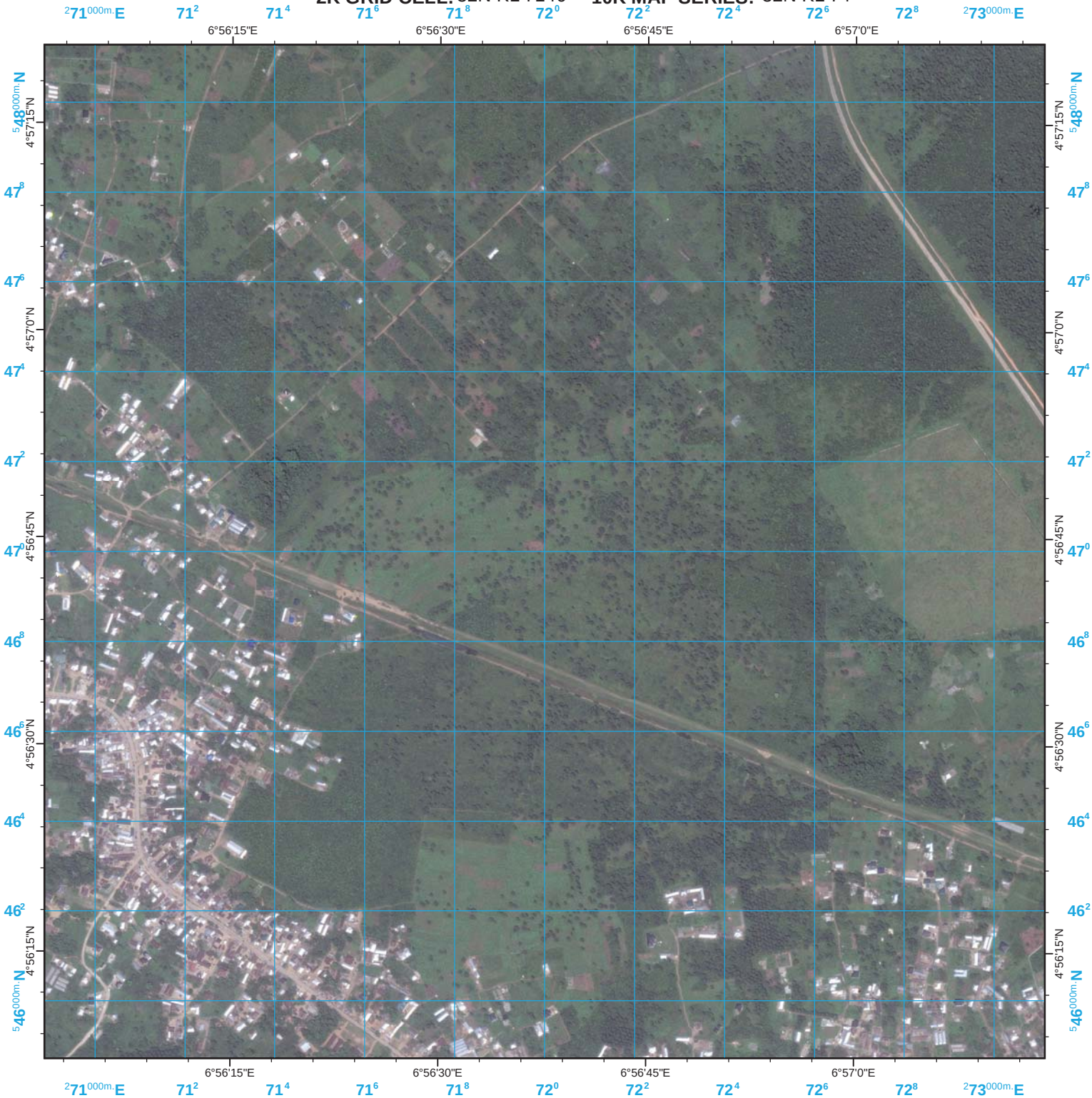


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7146 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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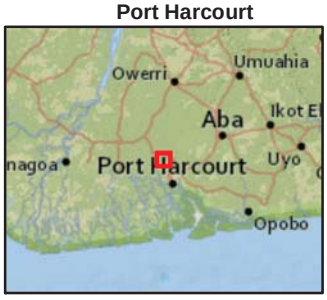
Port Harcourt



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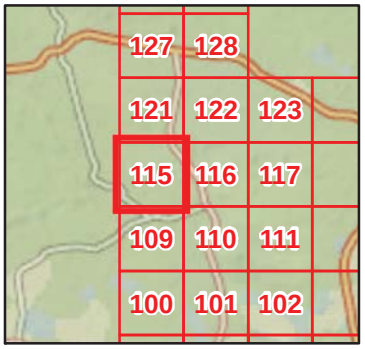
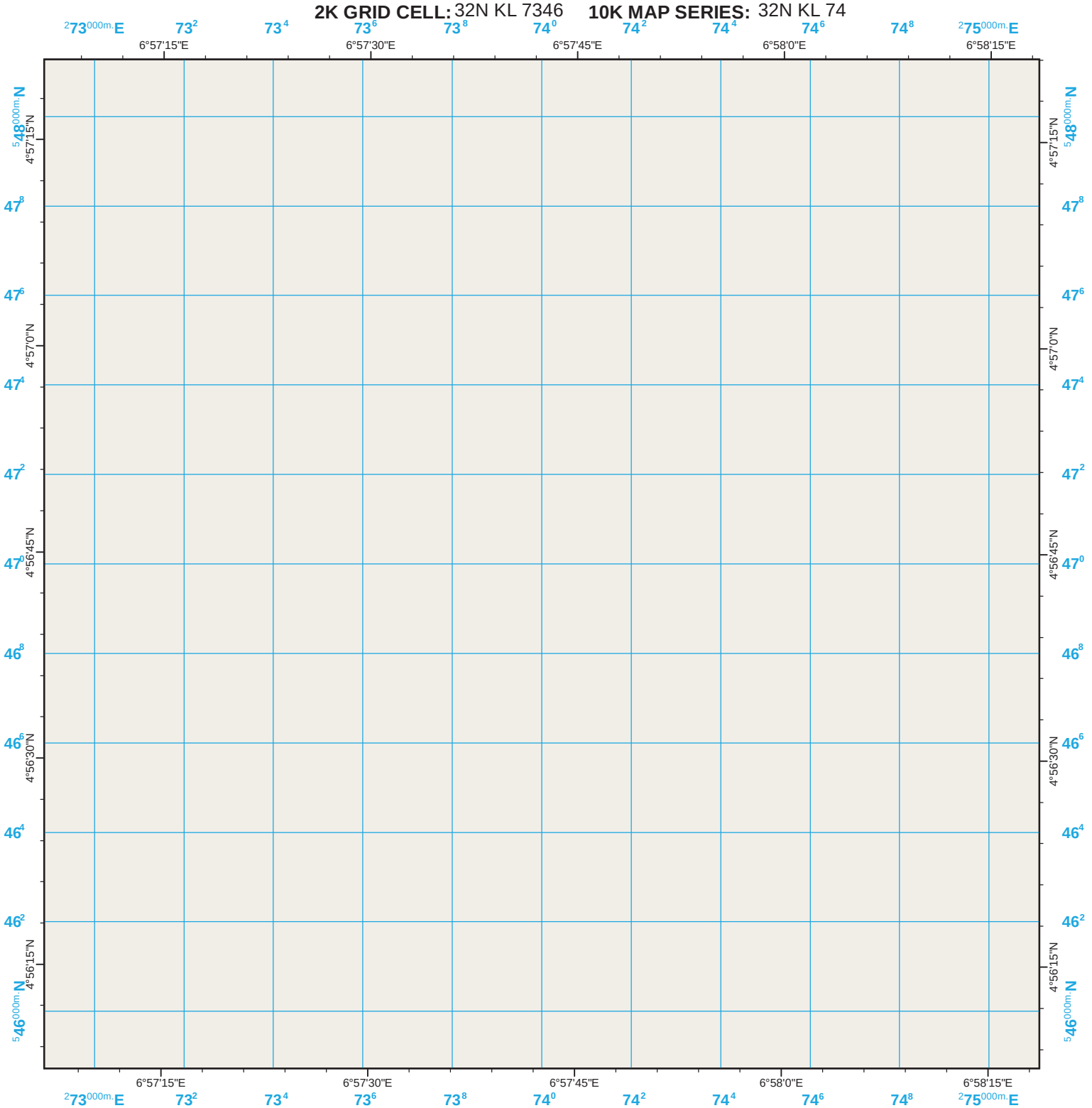


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7346 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
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0 50 100 200 300 400 500 Meters

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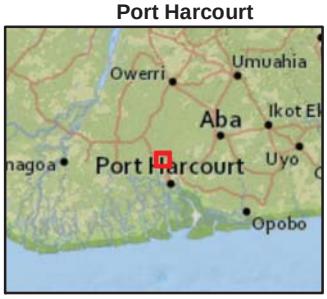
Port Harcourt



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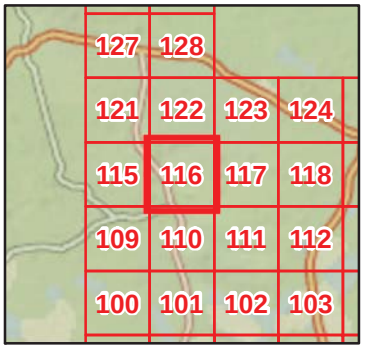
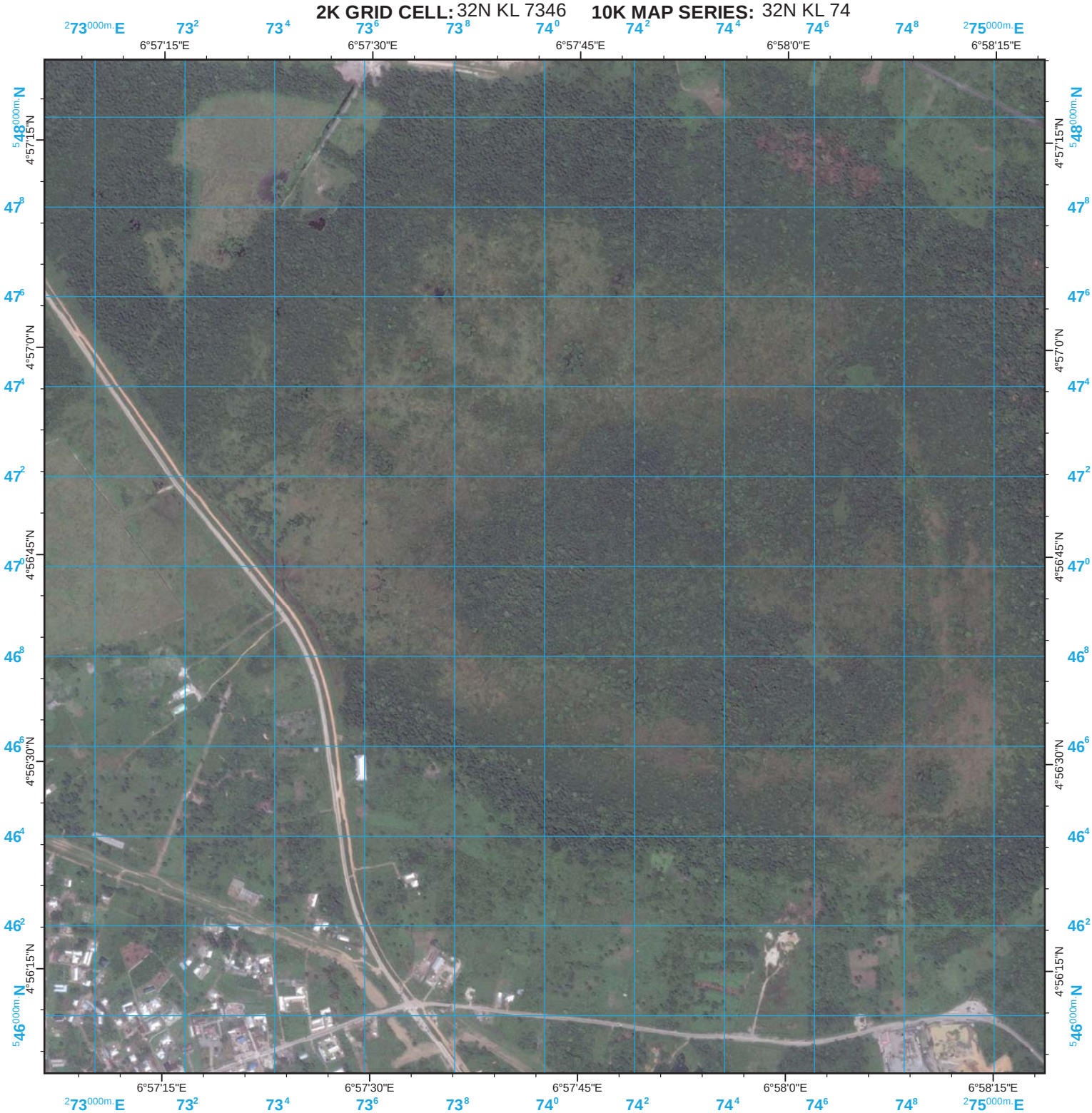


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7346 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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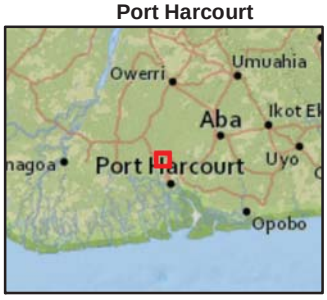
Port Harcourt



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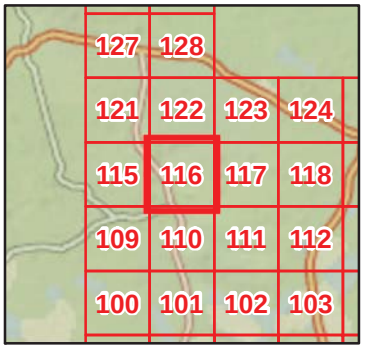
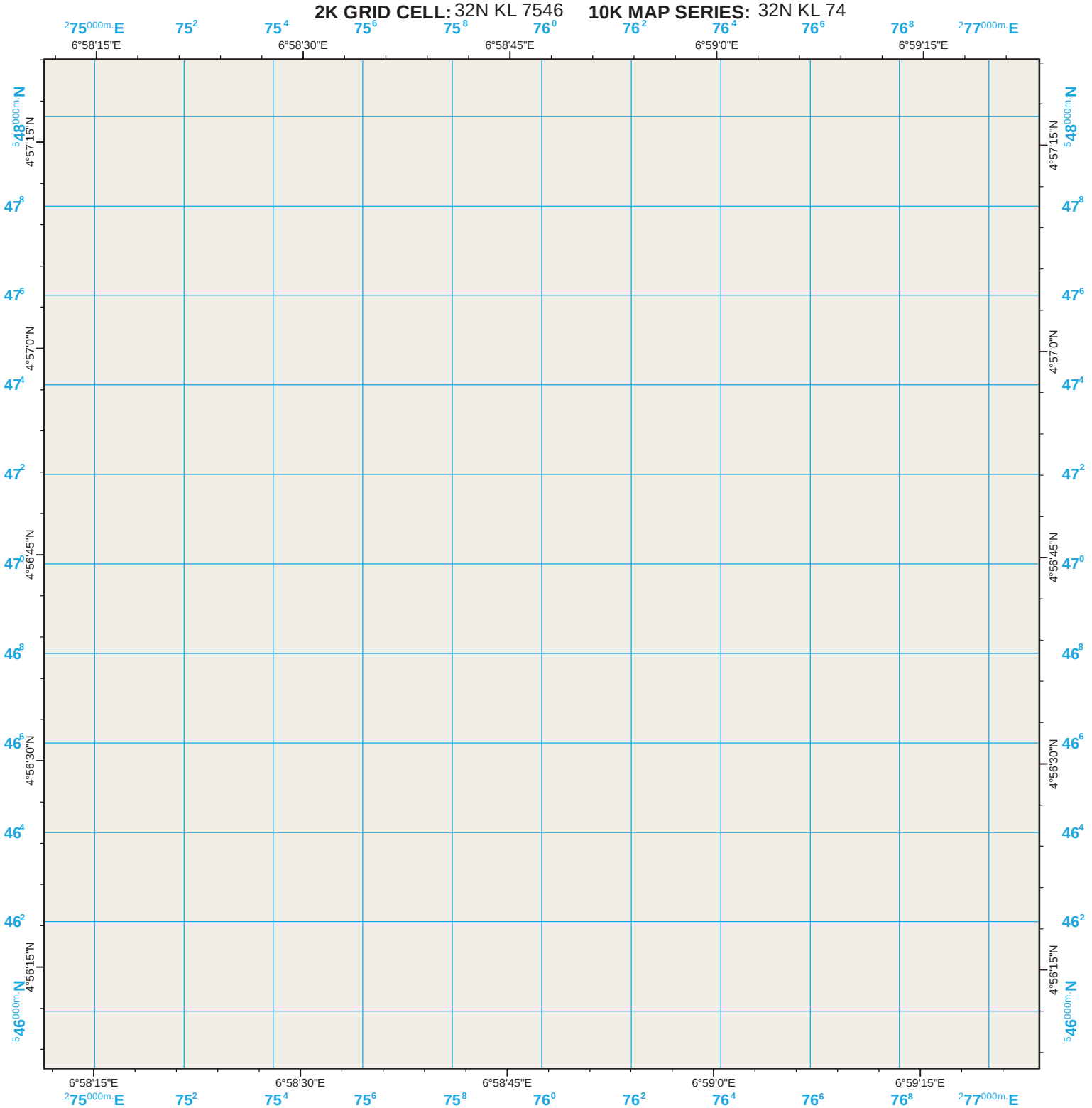


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7546 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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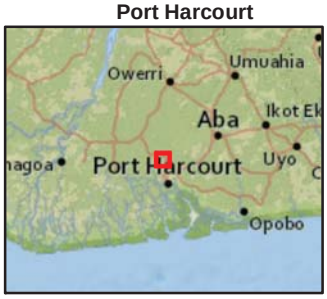
Port Harcourt



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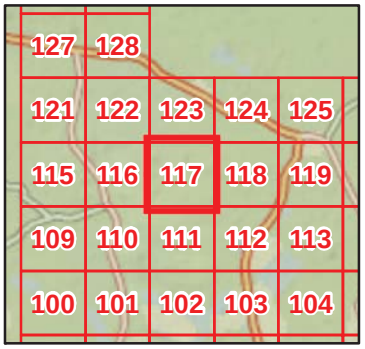
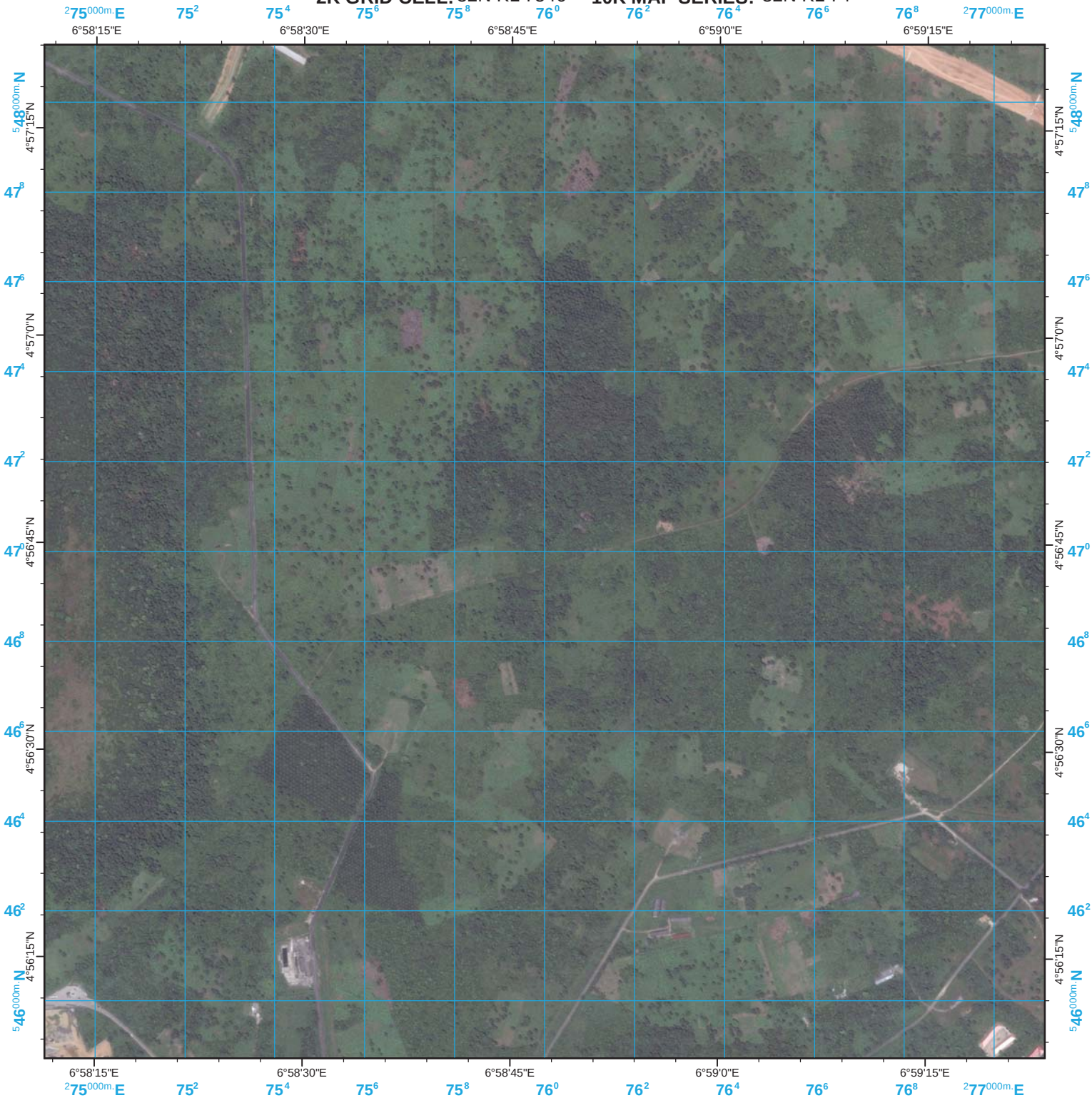


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7546 **10K MAP SERIES:** 32N KL 74



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Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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- CINEMA
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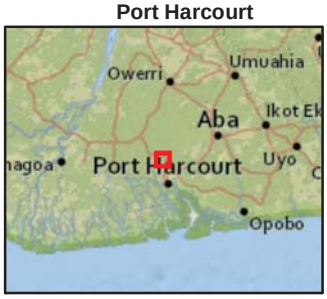
Port Harcourt



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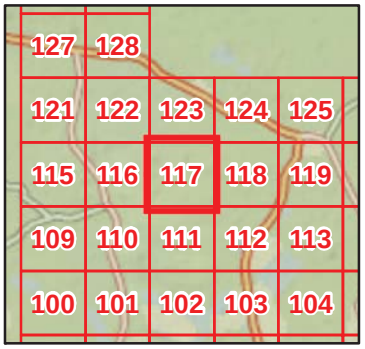
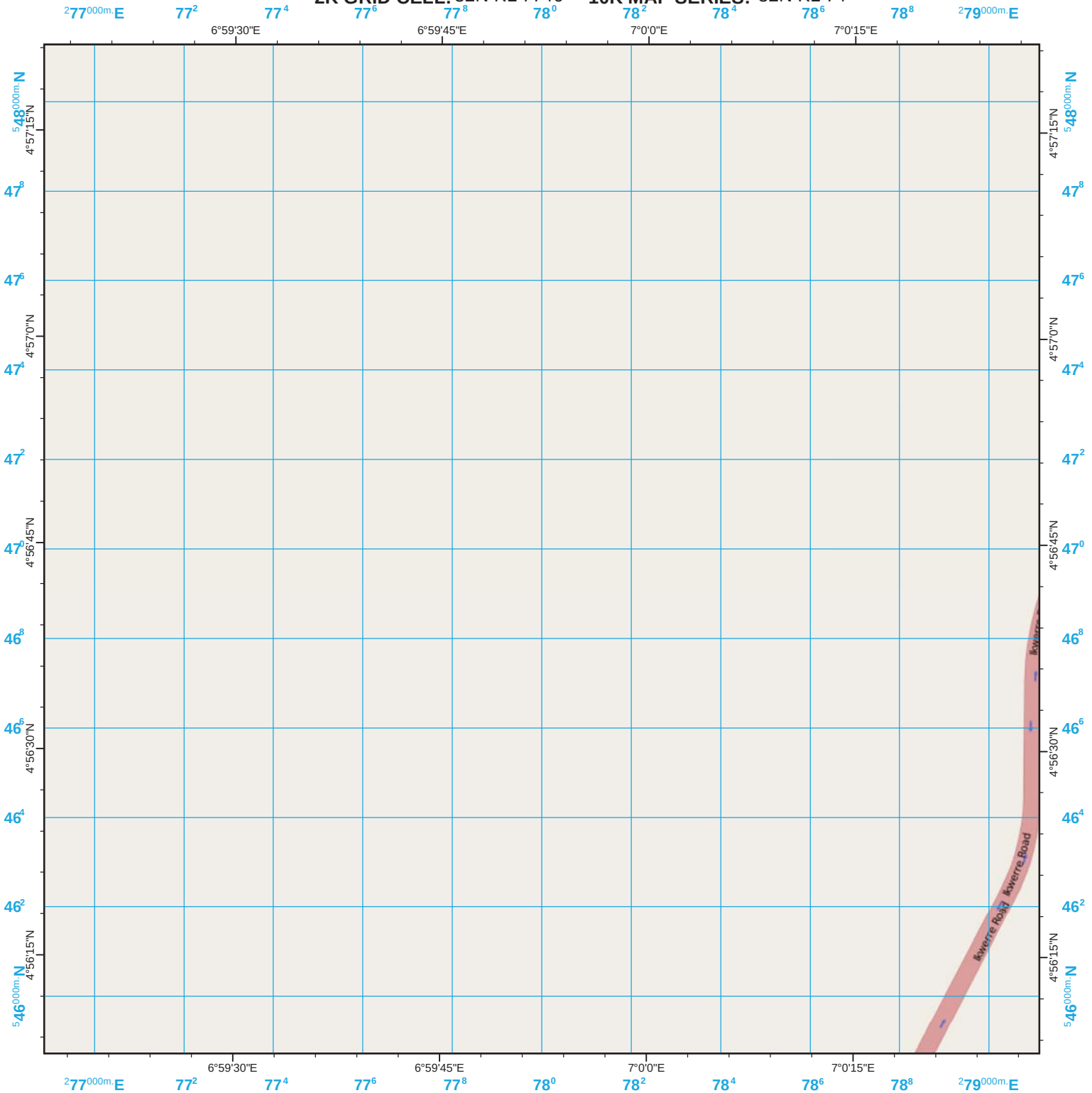


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7746 **10K MAP SERIES:** 32N KL 74



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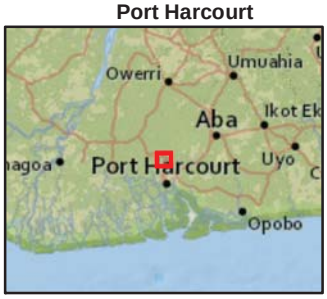
Port Harcourt



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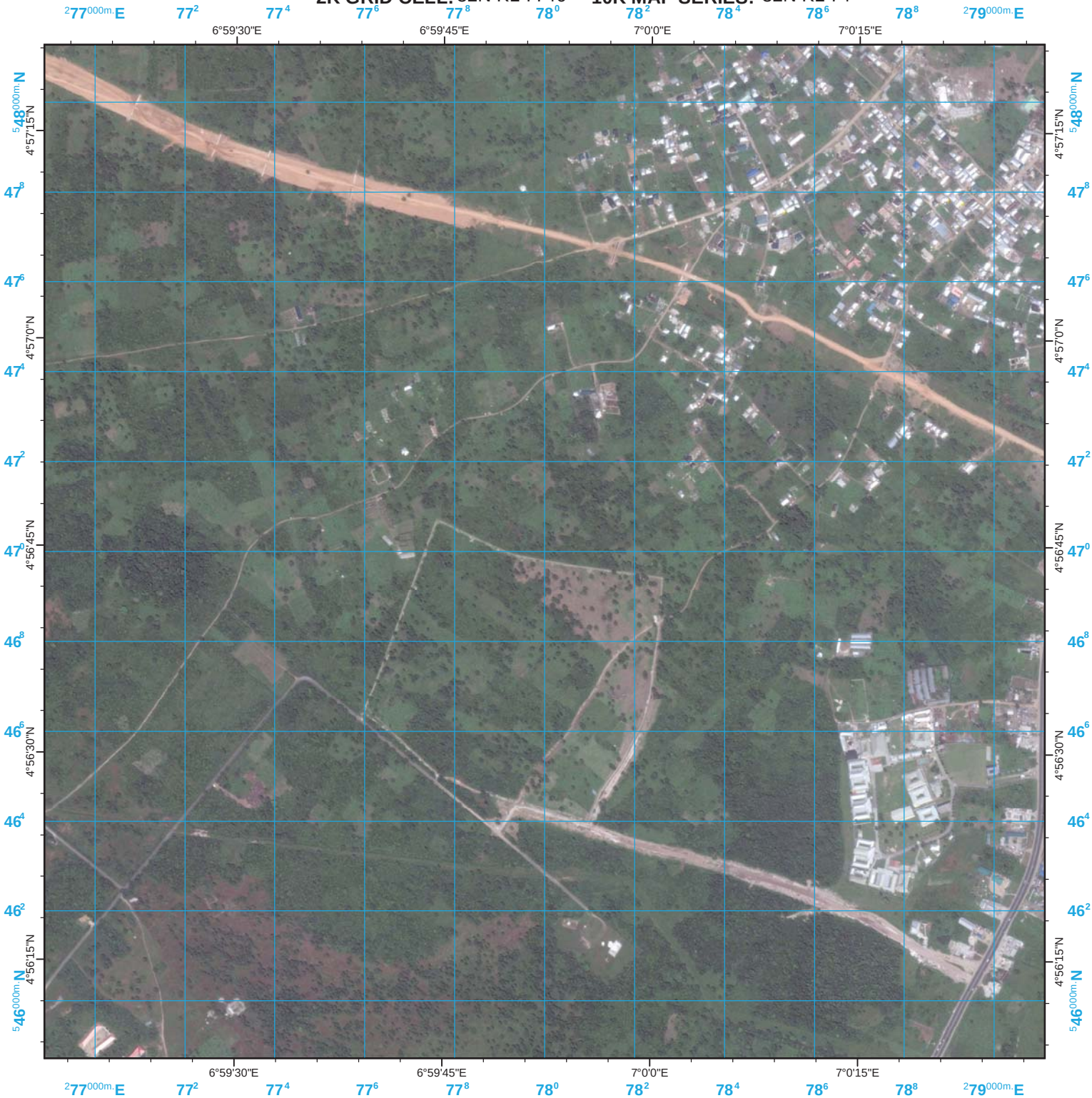
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7746 **10K MAP SERIES:** 32N KL 74



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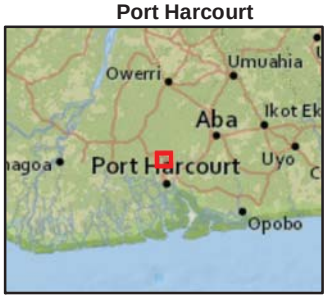
Port Harcourt



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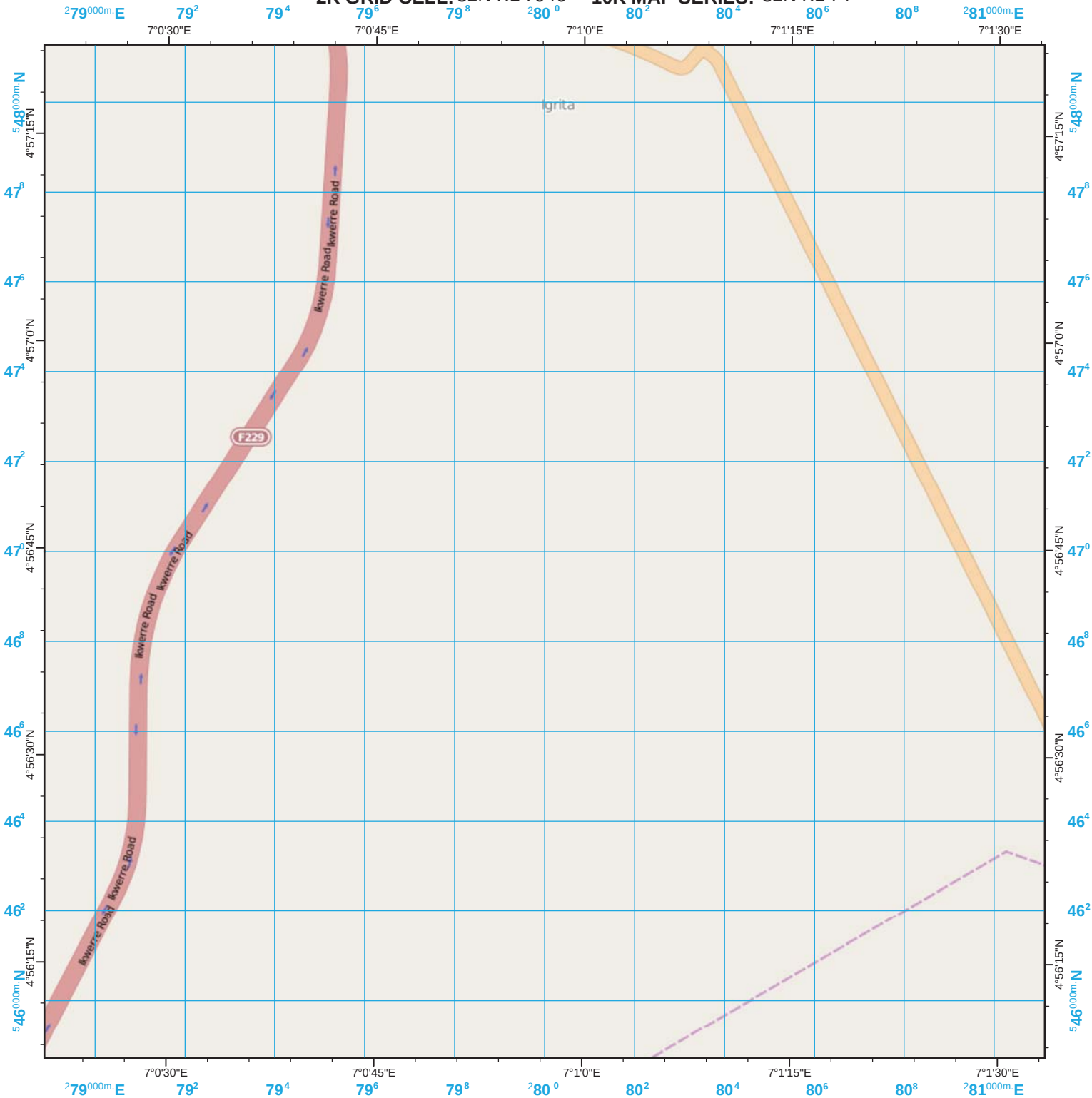
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7946 **10K MAP SERIES:** 32N KL 74



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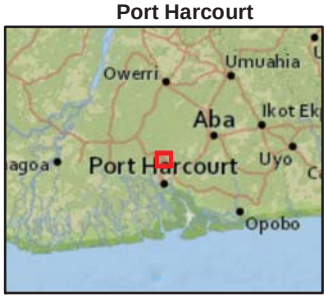

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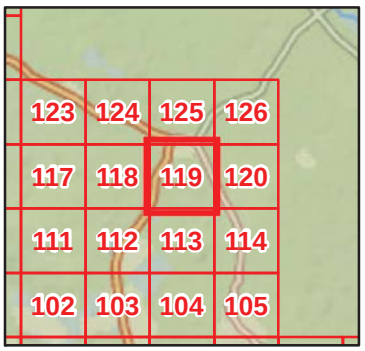

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2K GRID CELL: 32N KL 7946 **10K MAP SERIES:** 32N KL 74

2000-m cell, 200-m grid, MGRS
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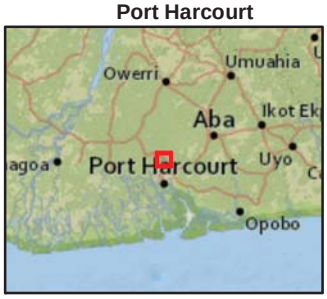
Port Harcourt



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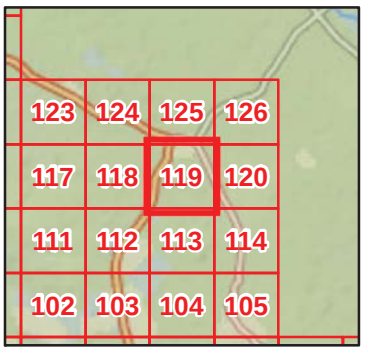

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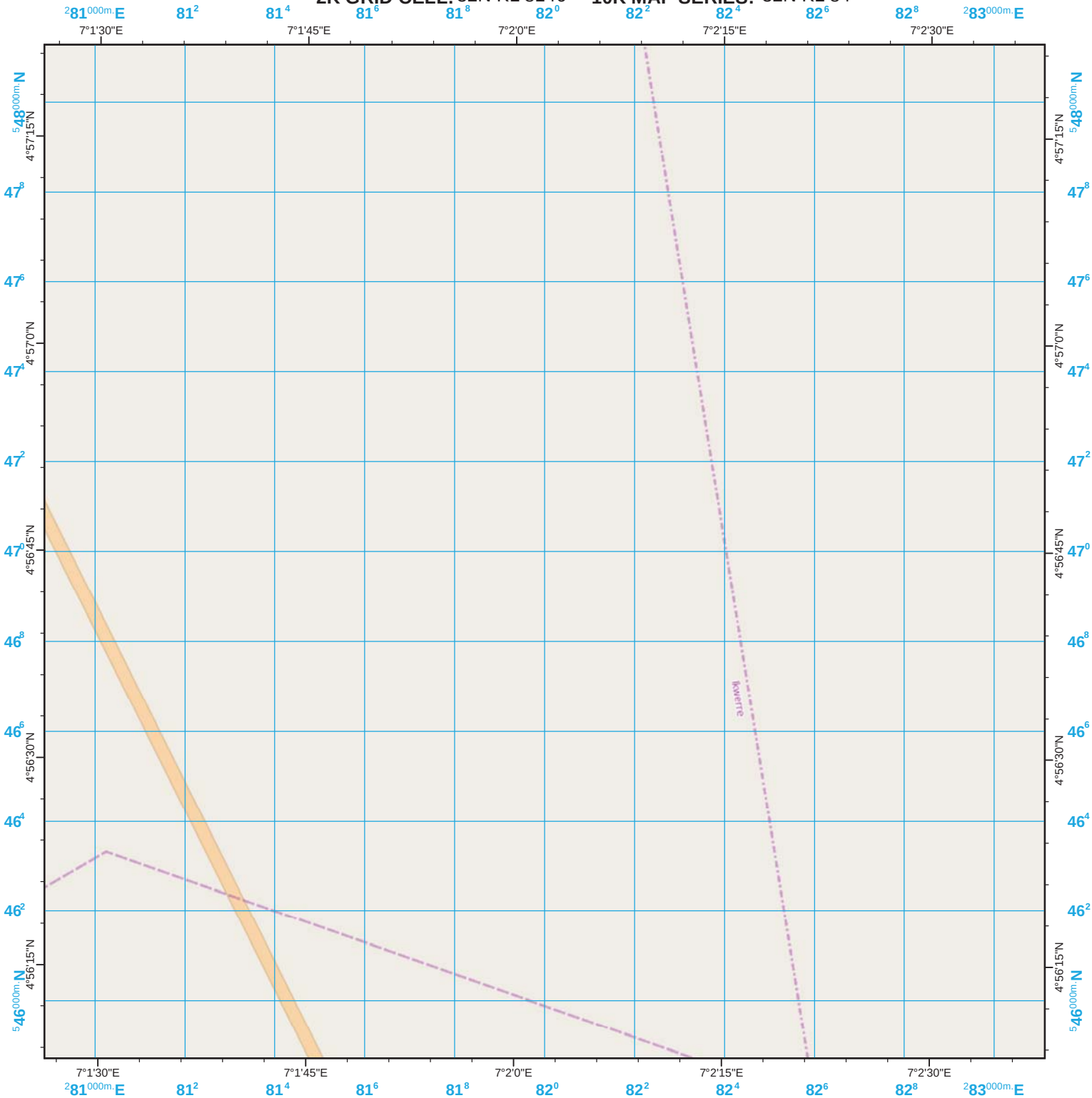

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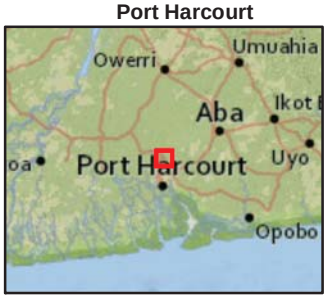

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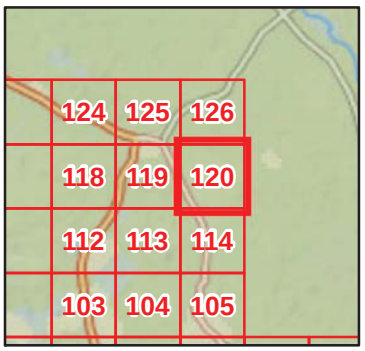
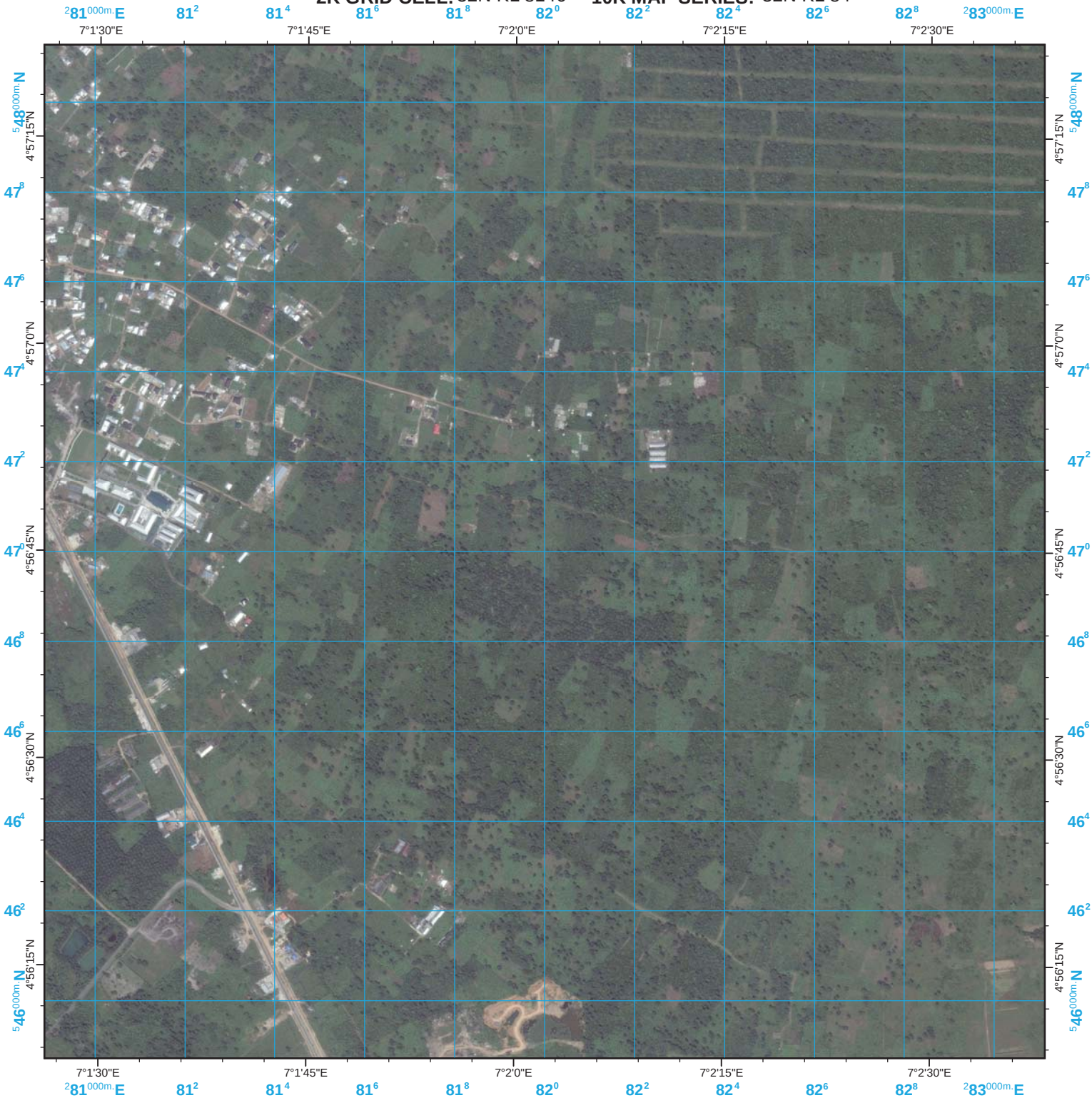


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8146 **10K MAP SERIES:** 32N KL 84



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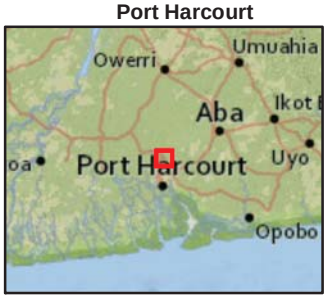

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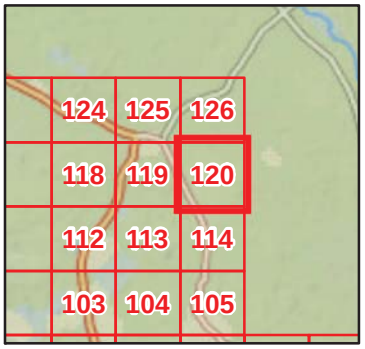
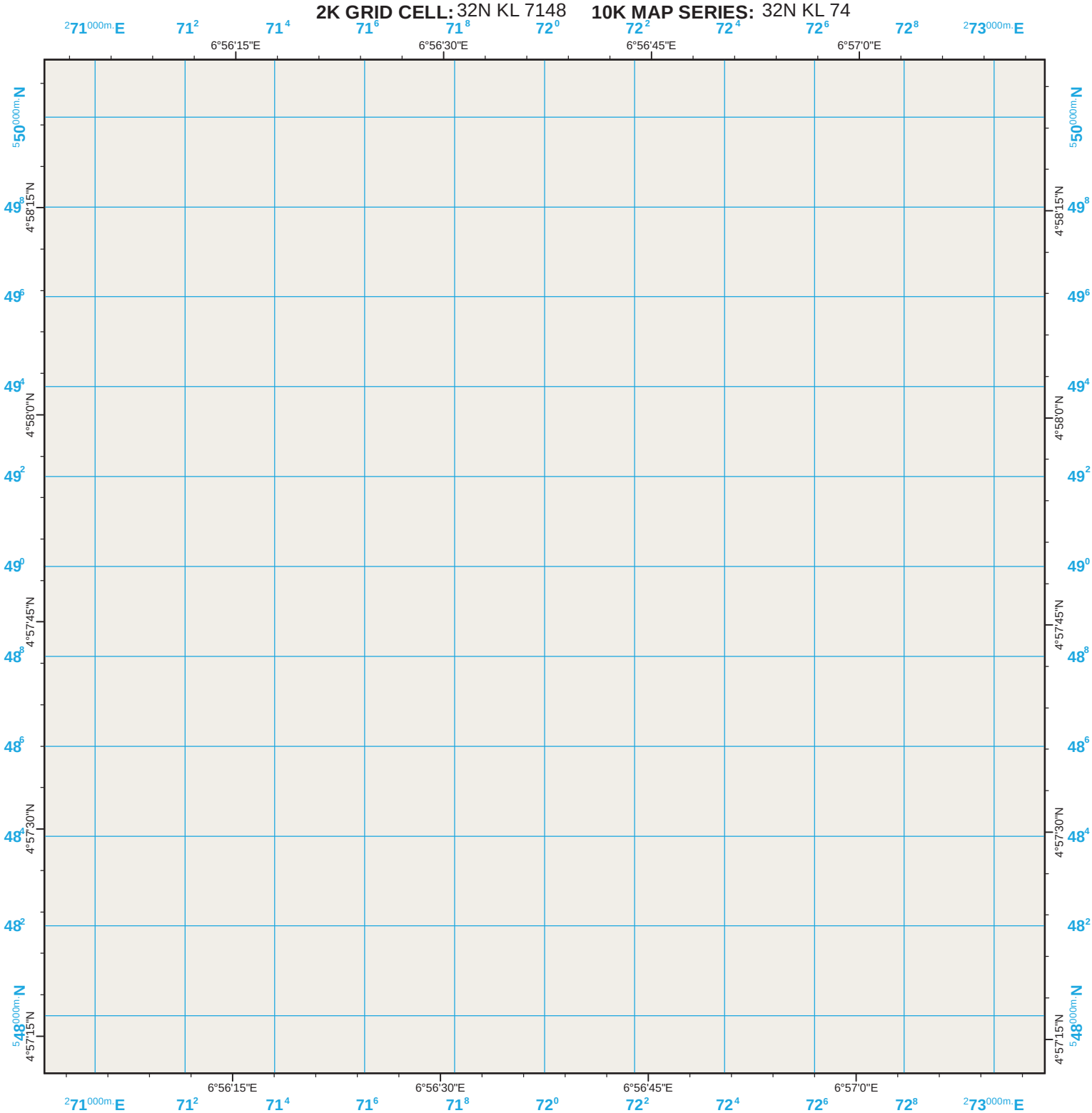


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7148 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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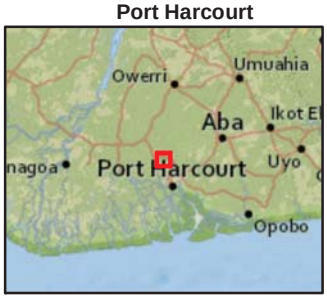
Port Harcourt



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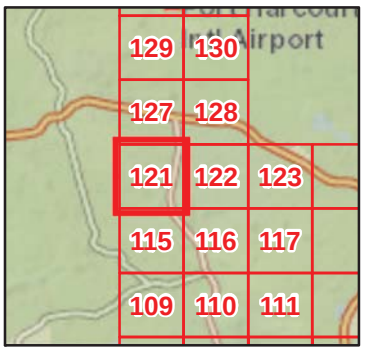
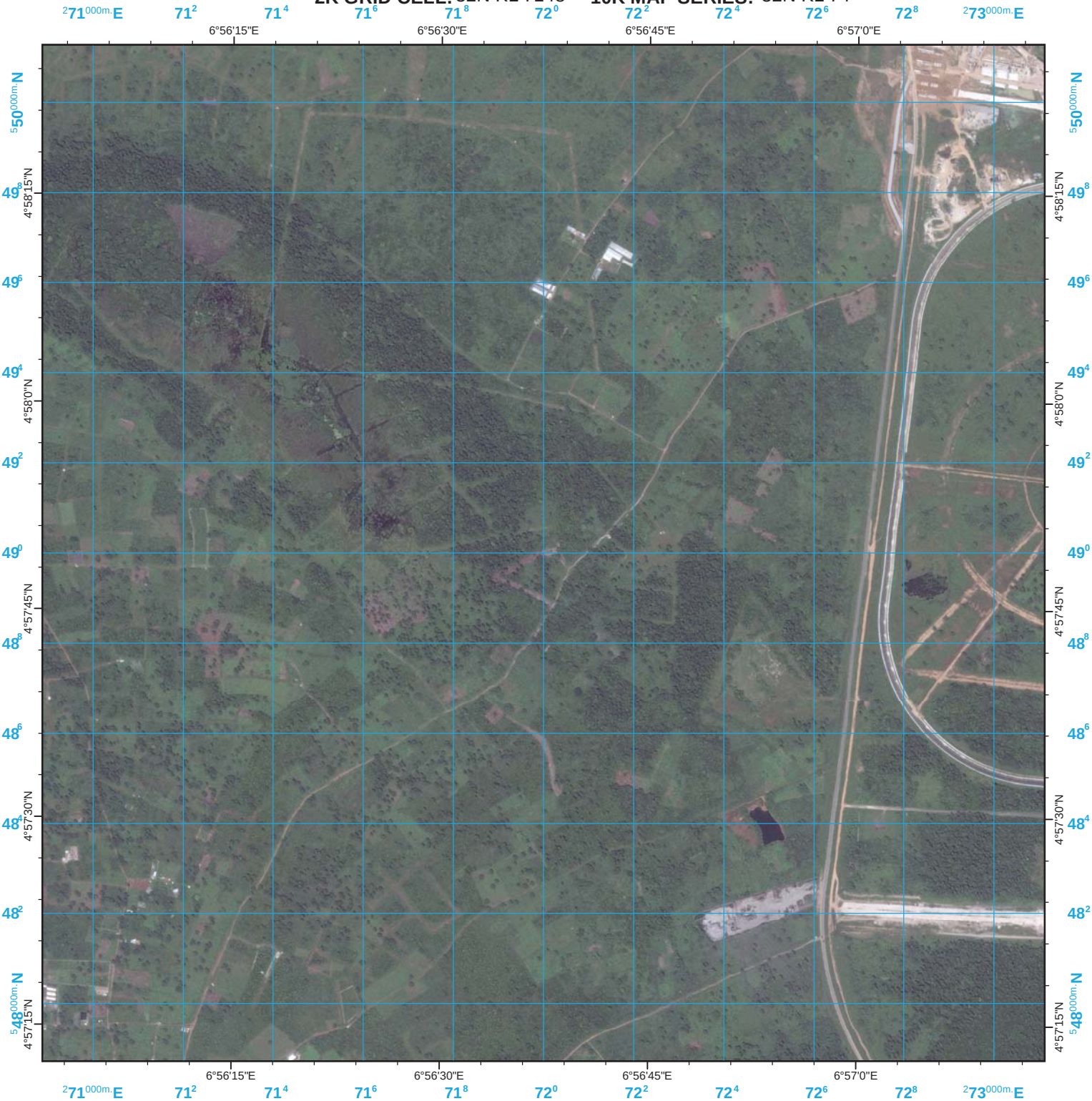


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7148 **10K MAP SERIES:** 32N KL 74



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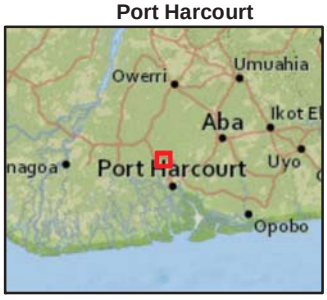
Port Harcourt



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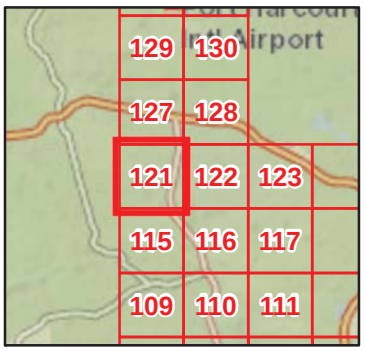
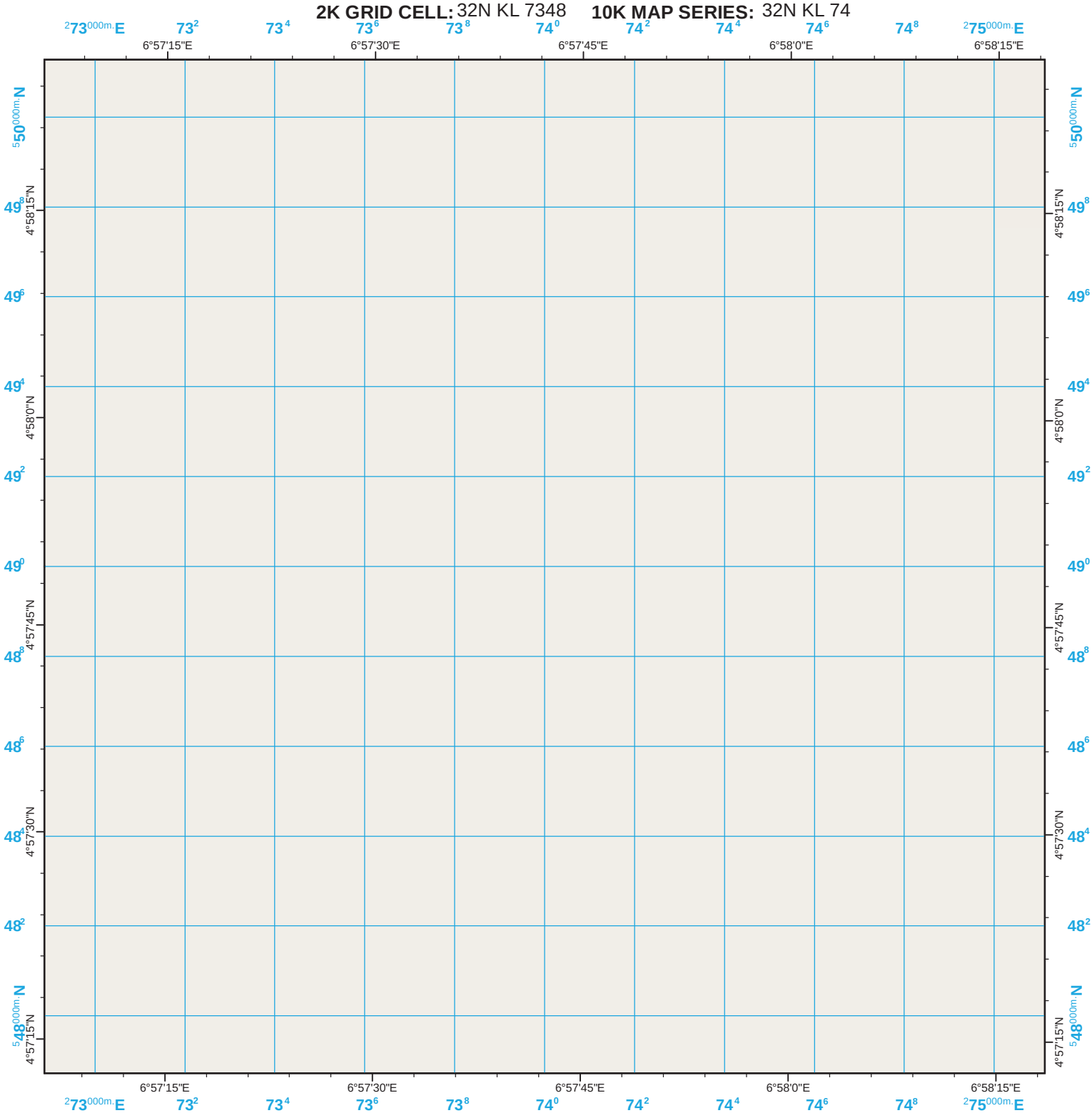


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7348 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
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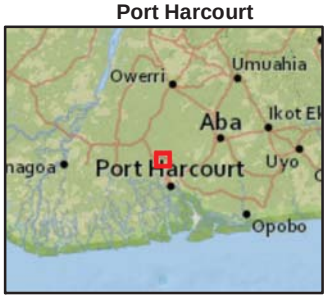

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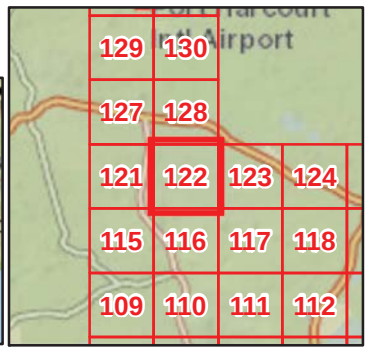
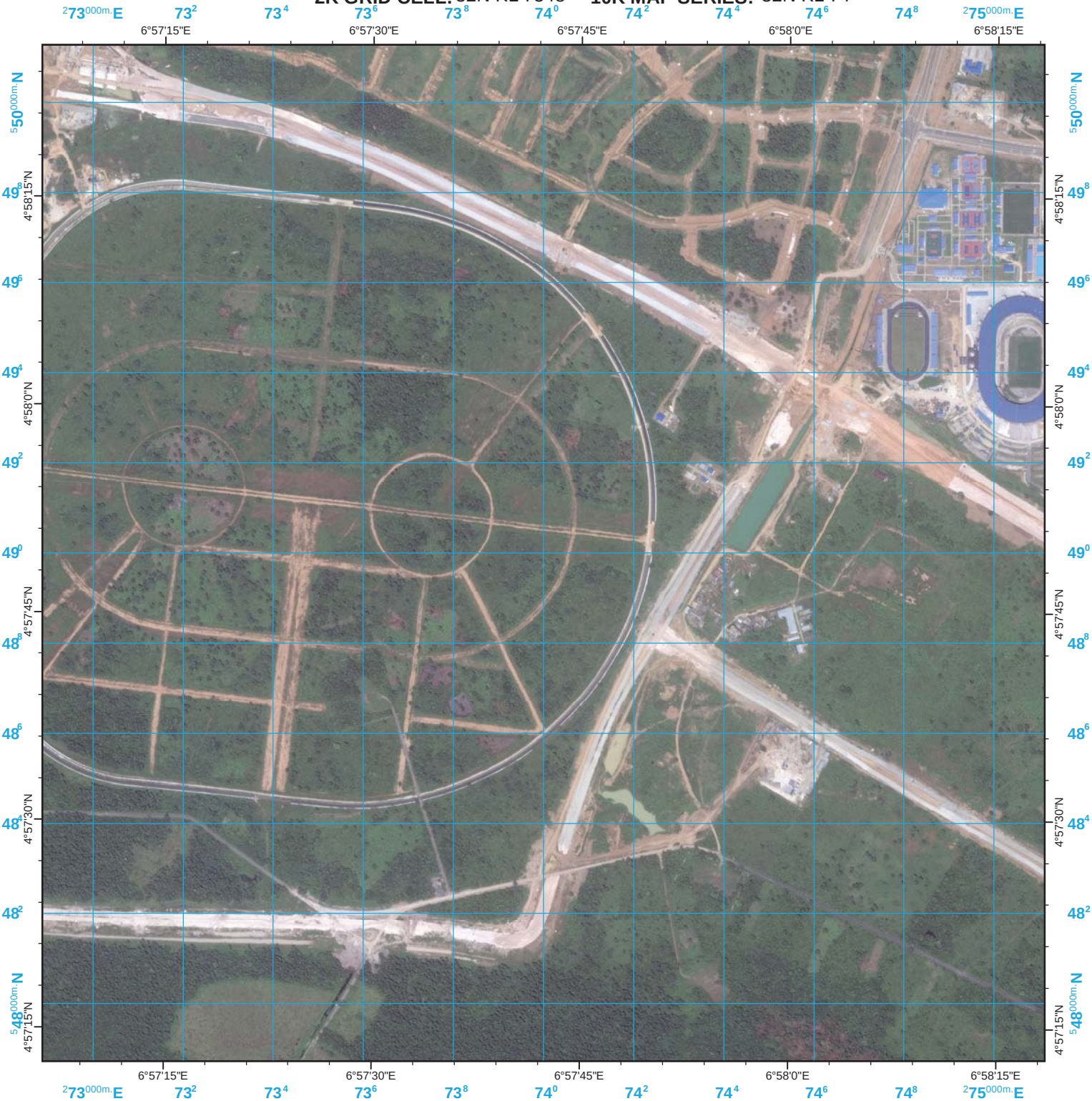


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7348 **10K MAP SERIES:** 32N KL 74



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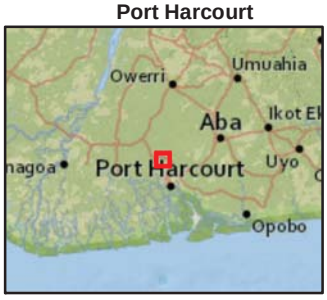
Port Harcourt



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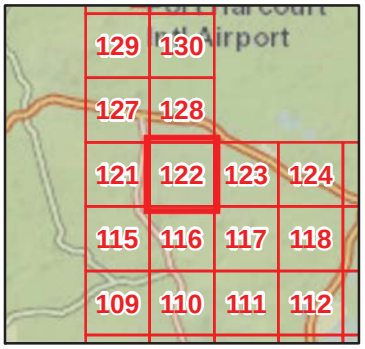
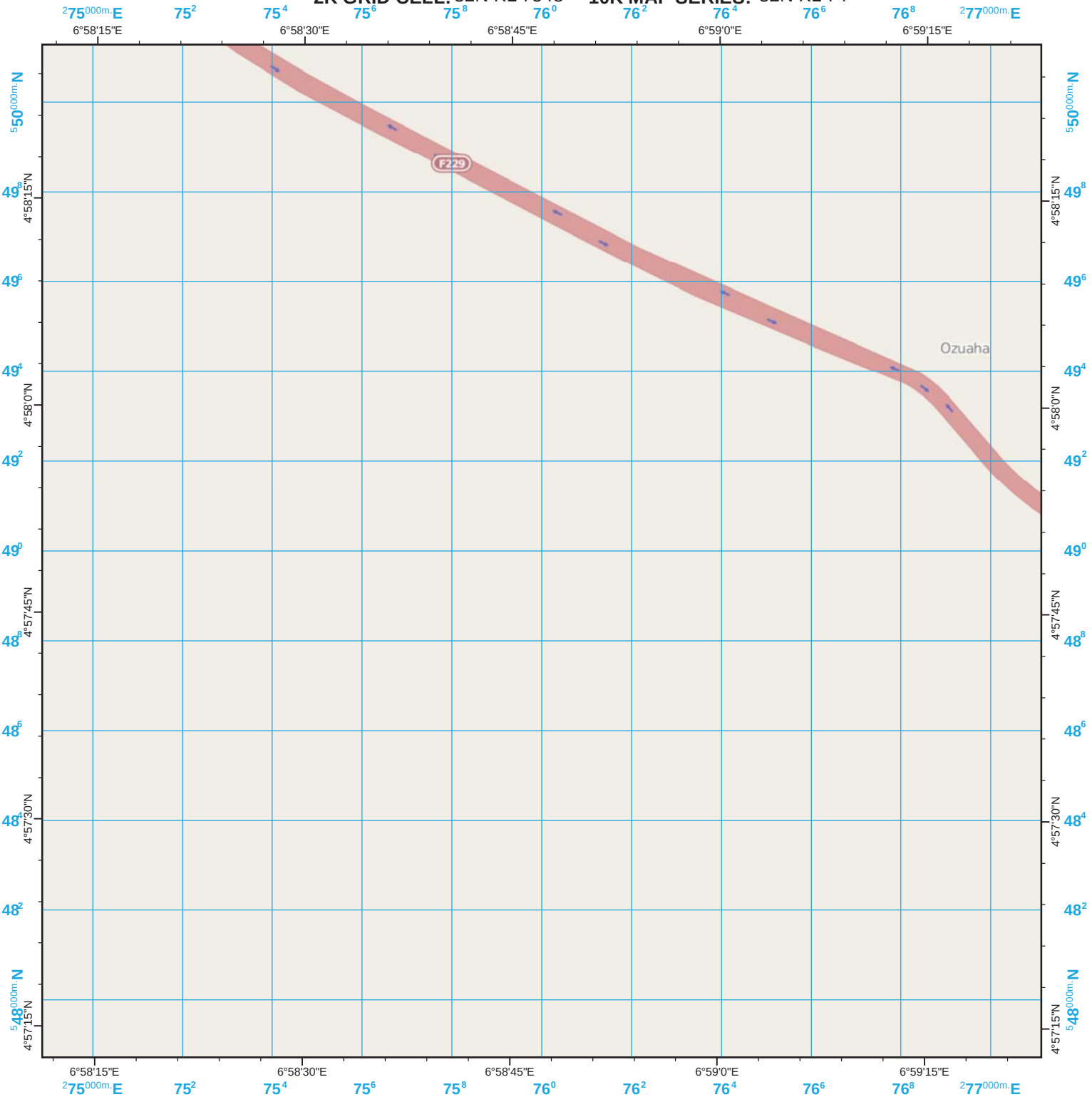


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7548 **10K MAP SERIES:** 32N KL 74



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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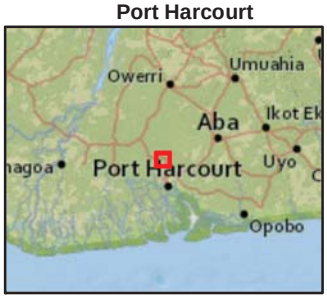
Port Harcourt



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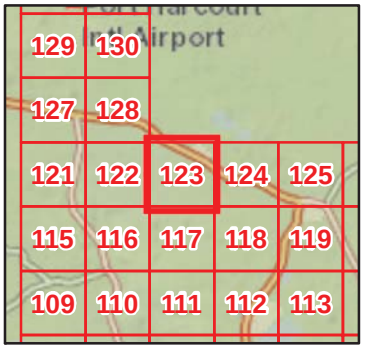
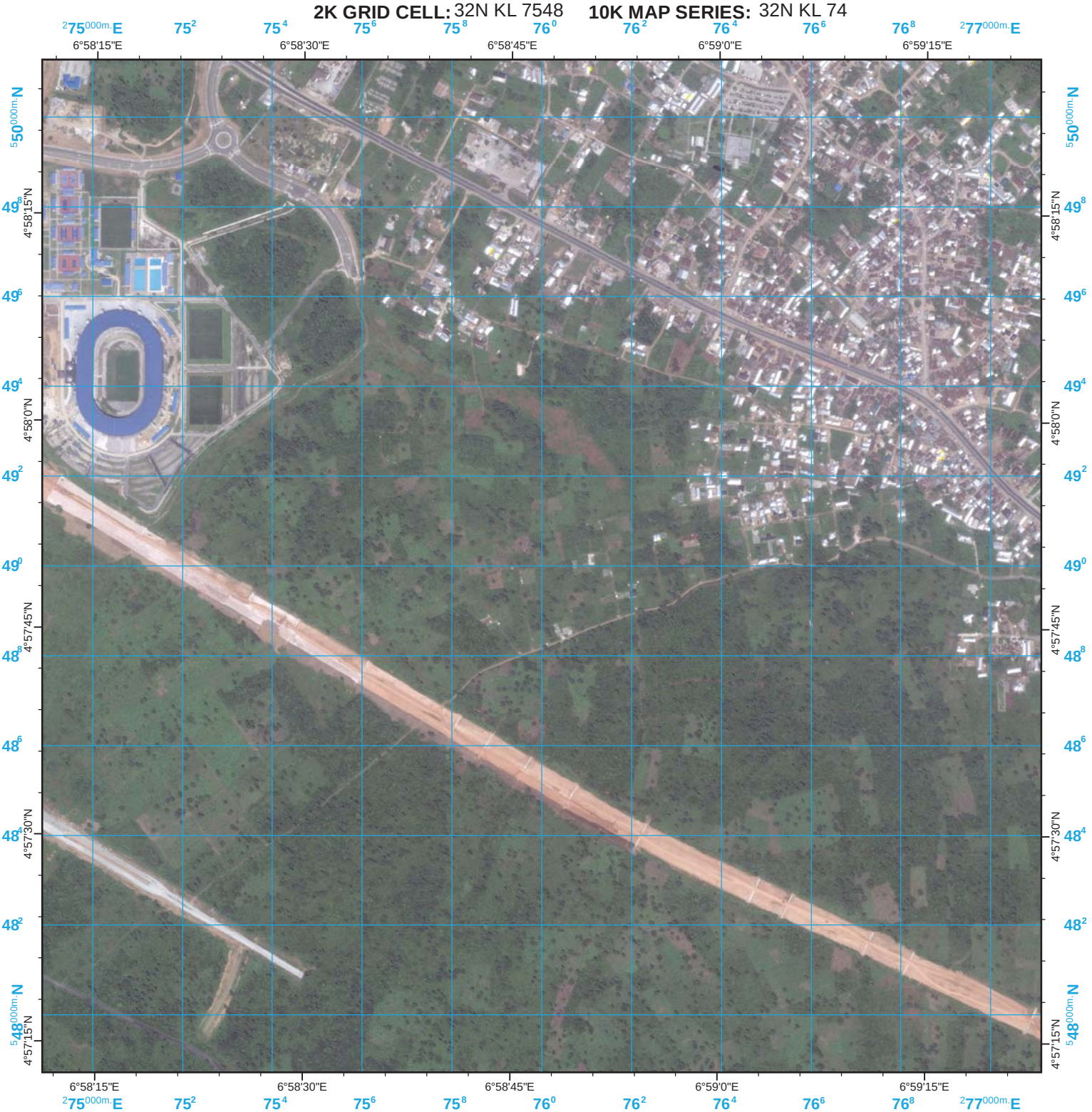


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7548 **10K MAP SERIES:** 32N KL 74



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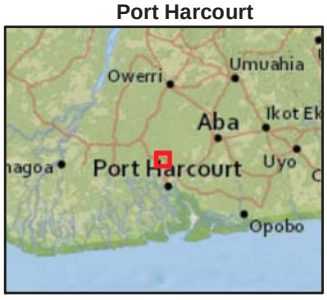

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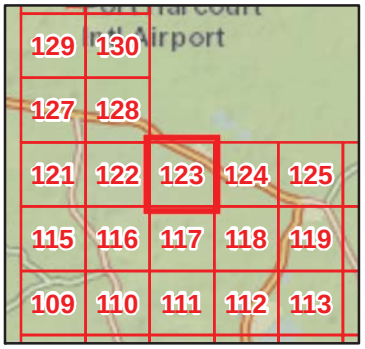

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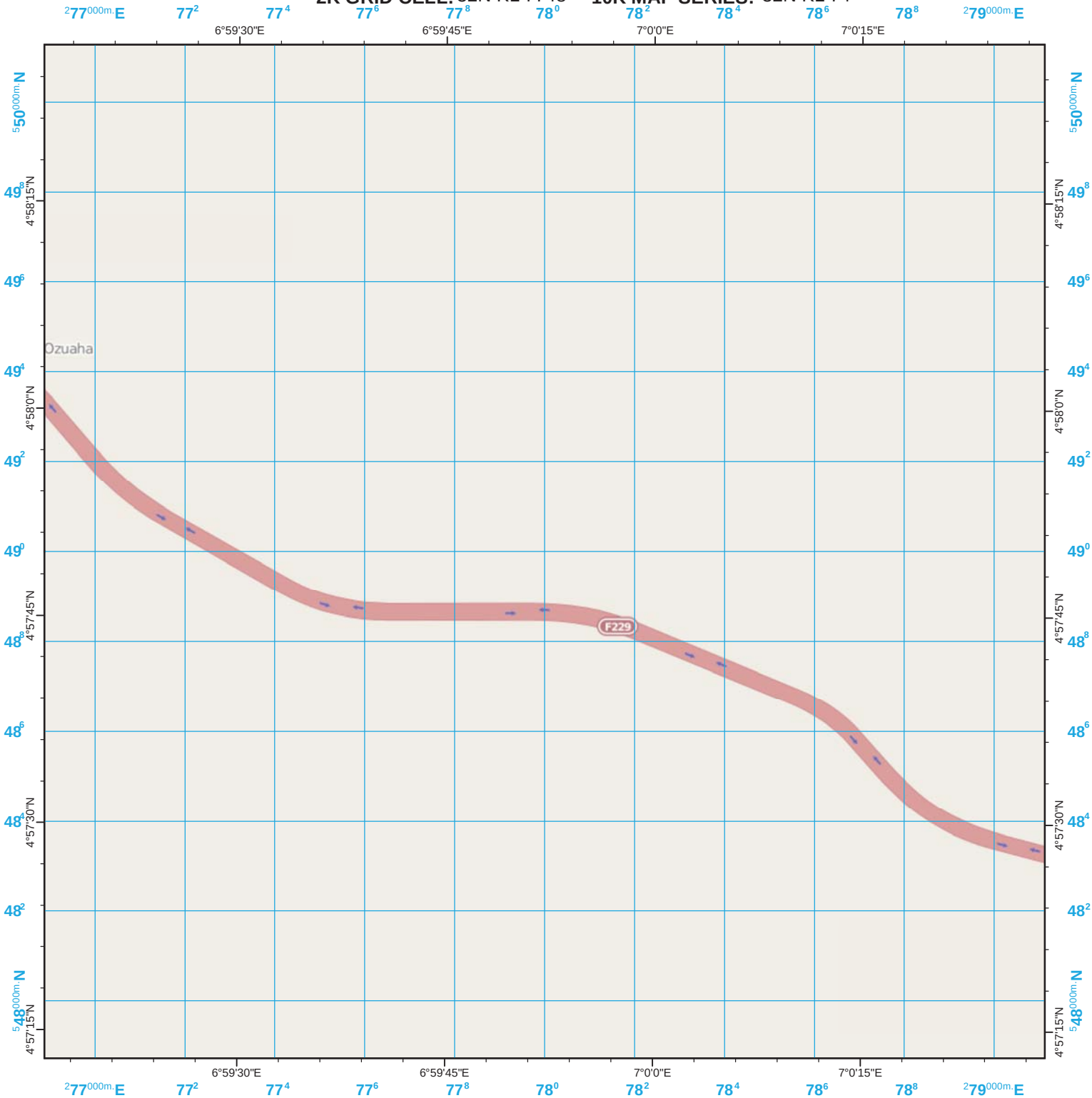
2K GRID CELL: 32N KL 7748 **10K MAP SERIES:** 32N KL 74



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0 250 500 1,000 1,500 2,000 2,500 Feet

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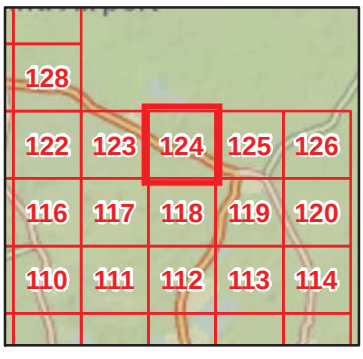

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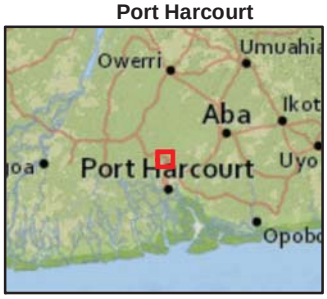

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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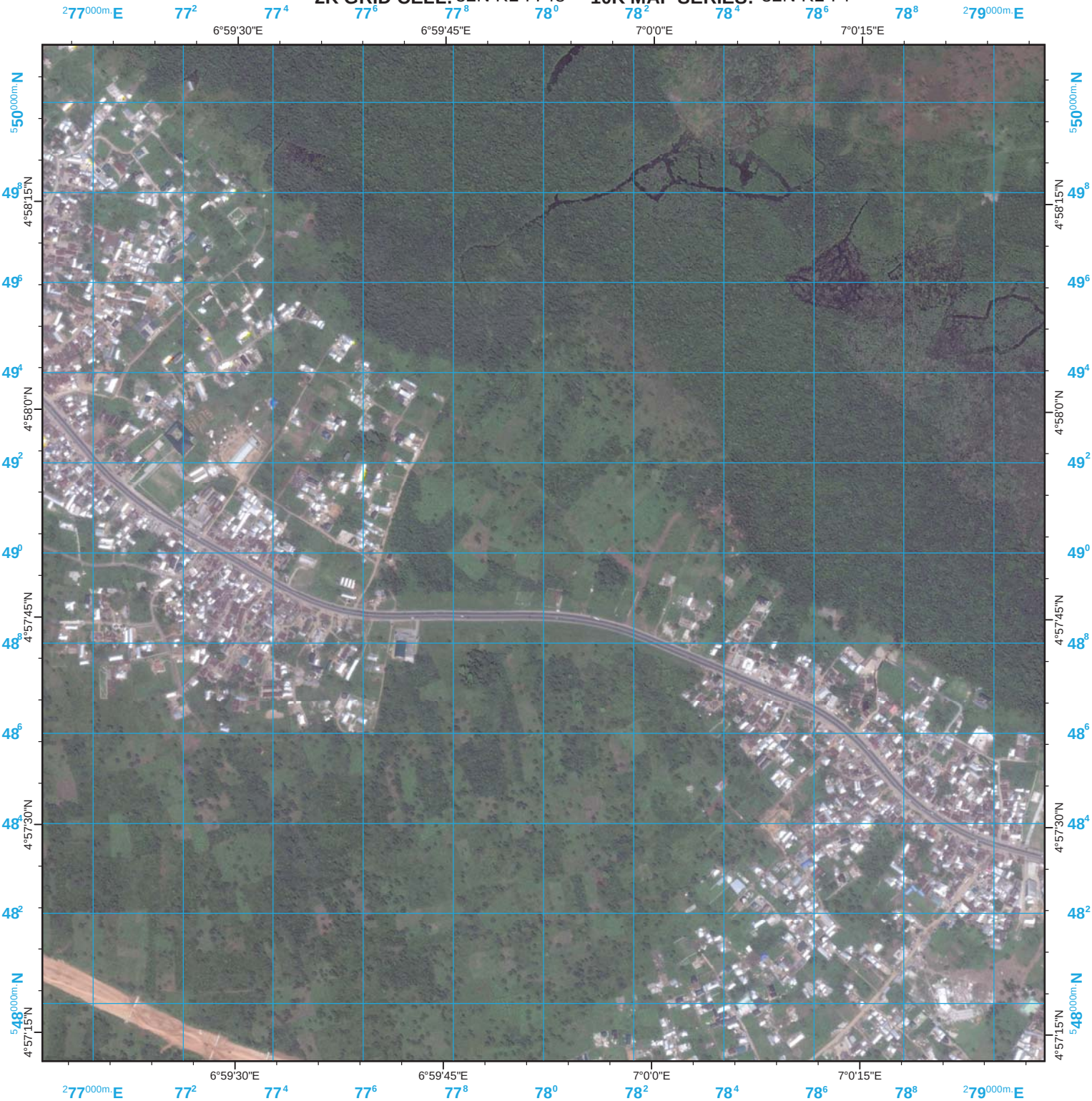
PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7748 **10K MAP SERIES:** 32N KL 74



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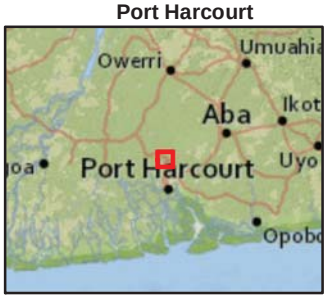

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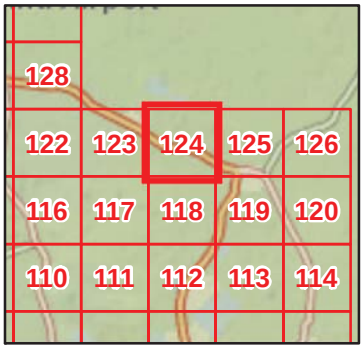
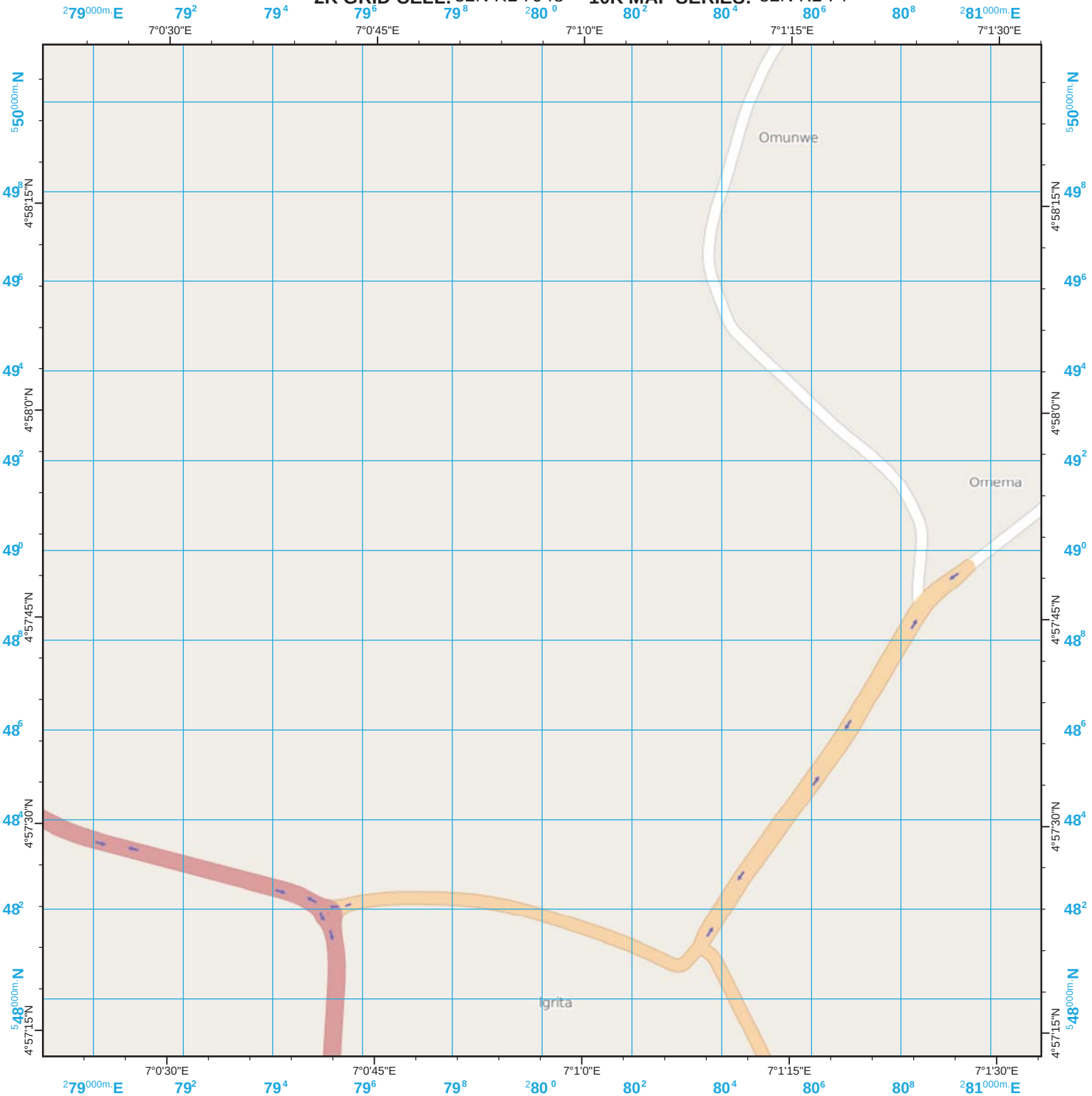


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7948 **10K MAP SERIES:** 32N KL 74



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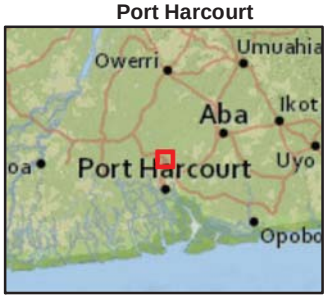

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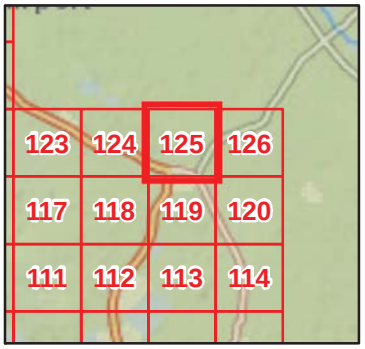
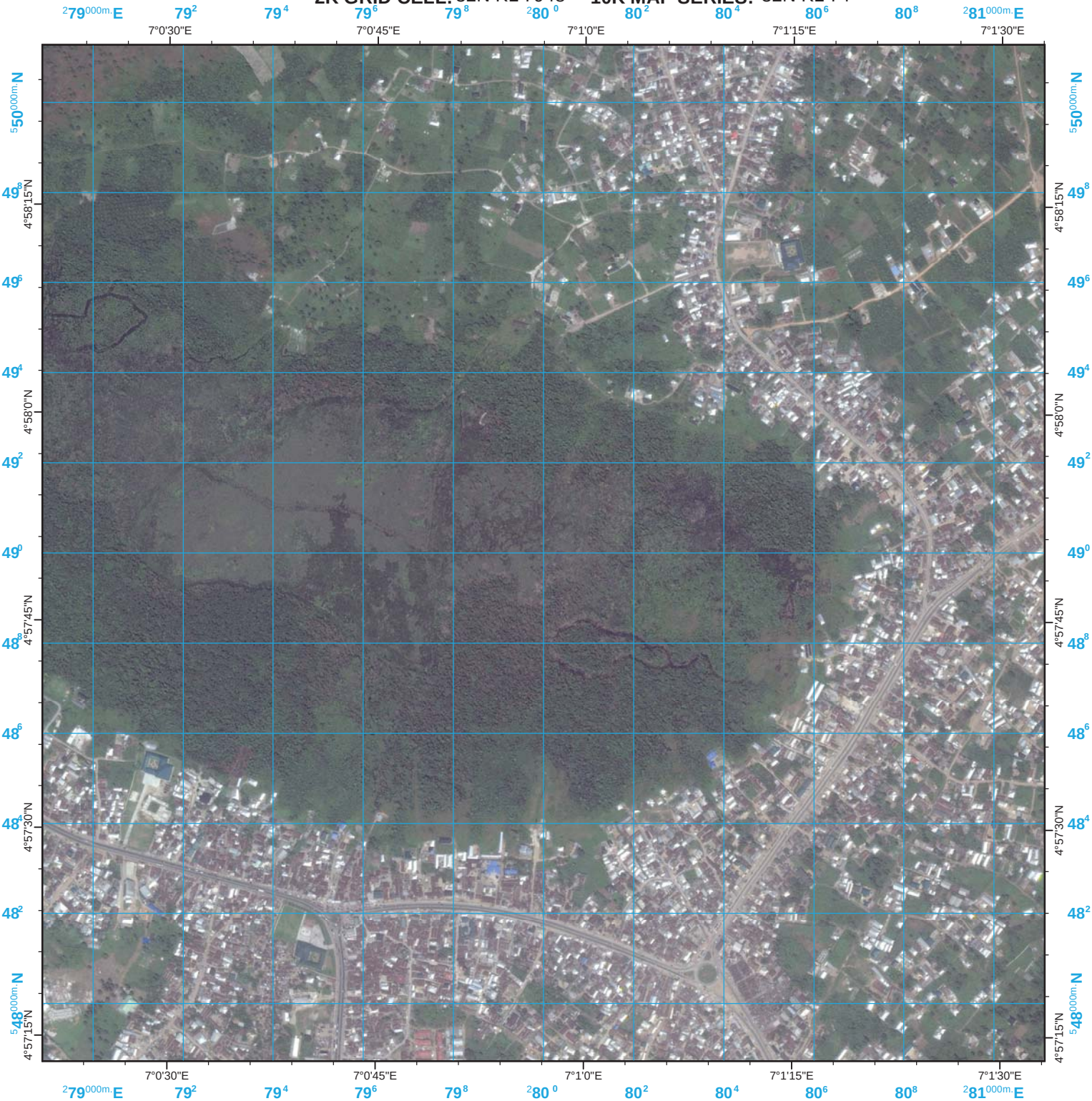


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7948 **10K MAP SERIES:** 32N KL 74



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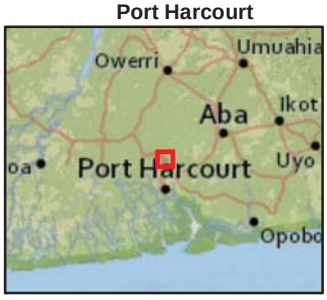

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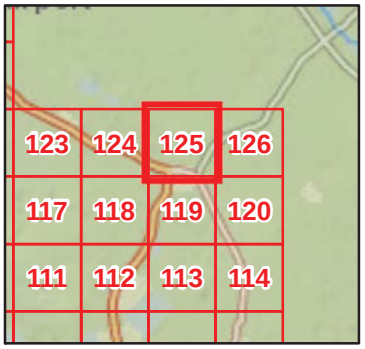
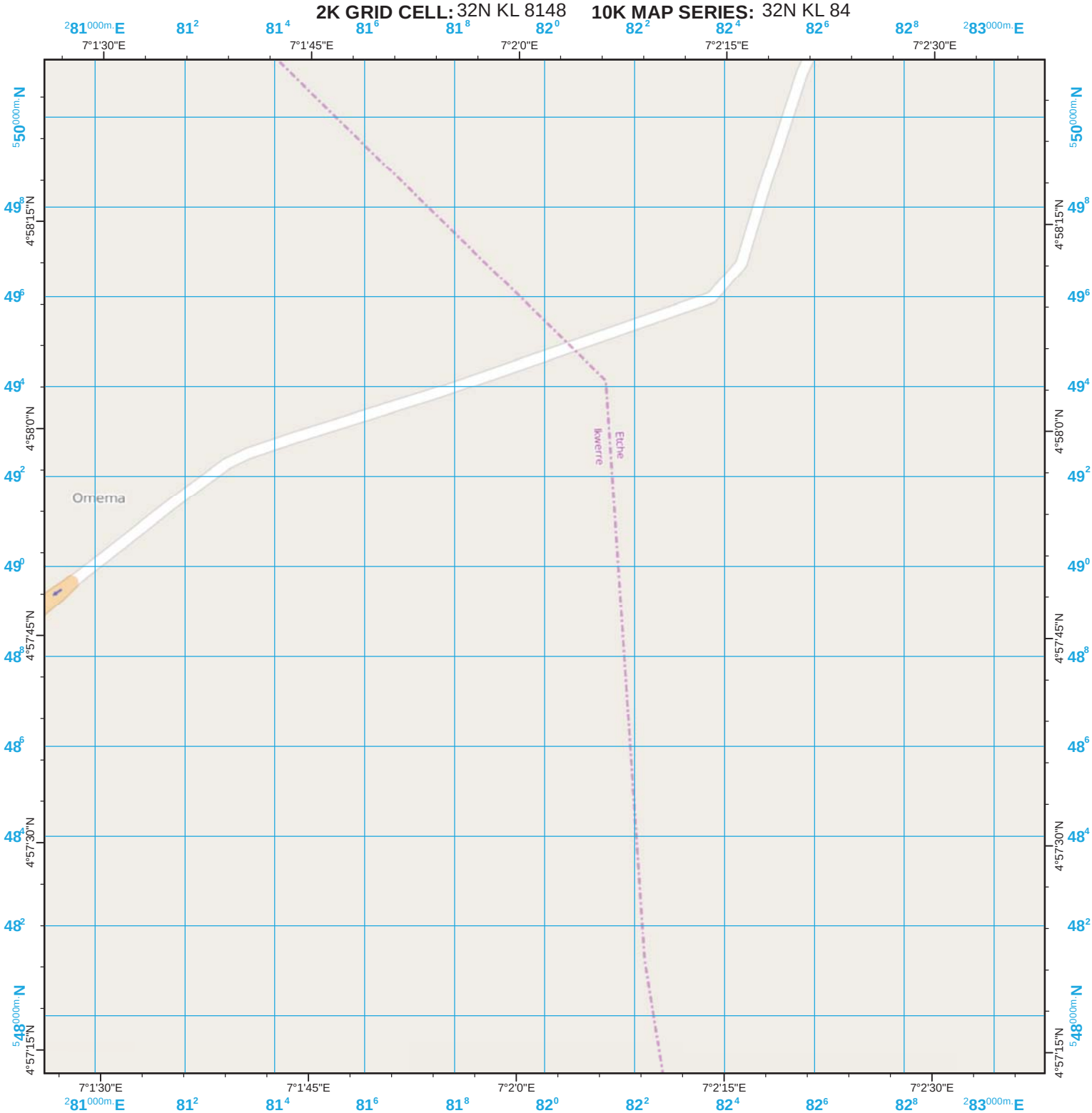


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8148 **10K MAP SERIES:** 32N KL 84



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid
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Grid Zone Designation
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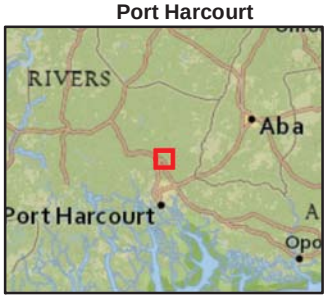
Port Harcourt



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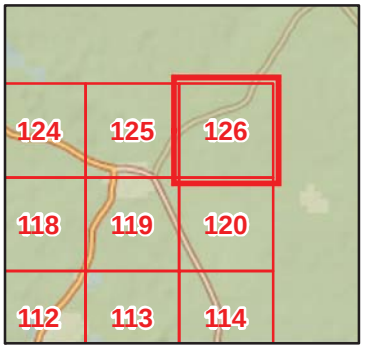
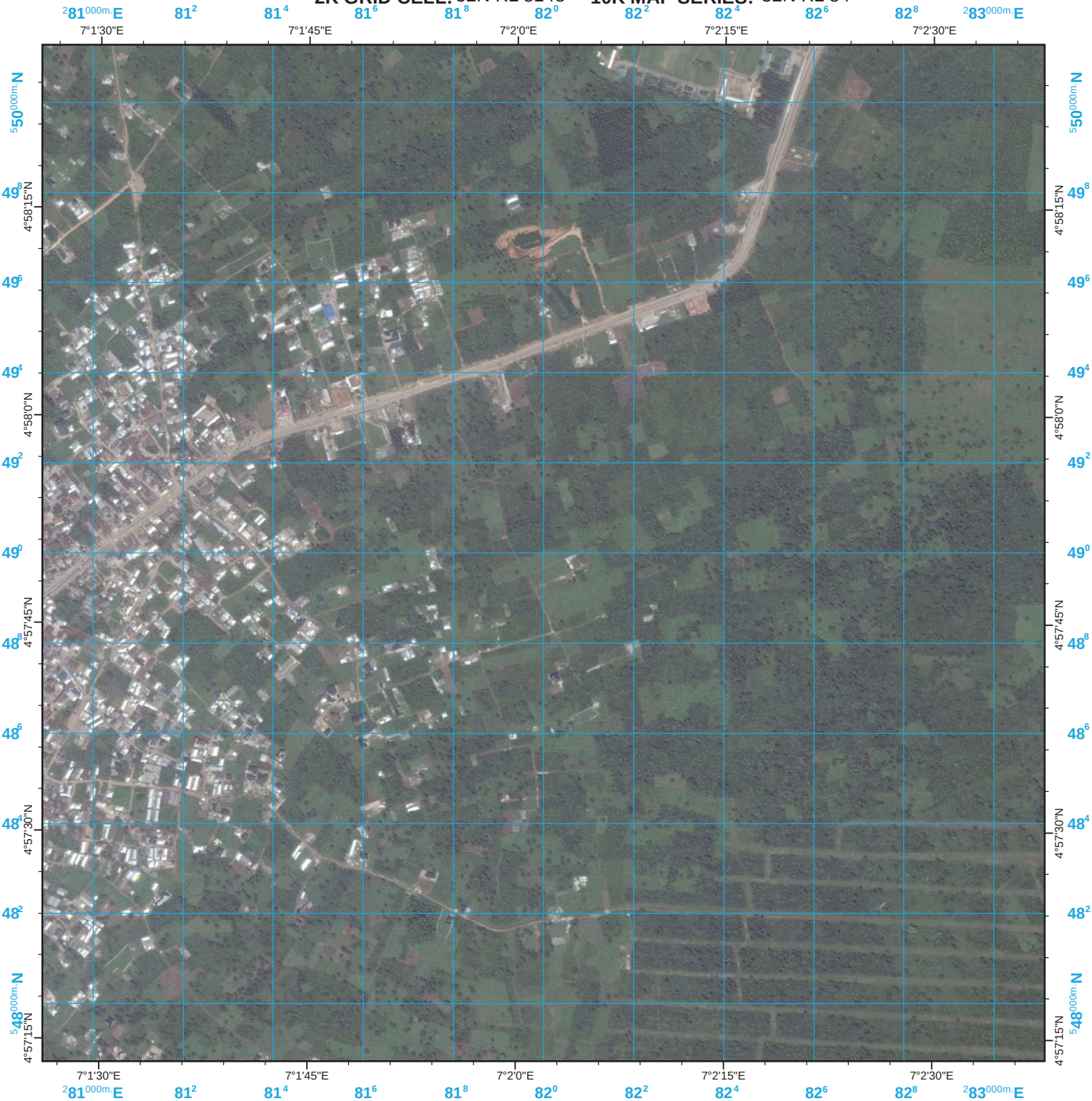


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 8148 **10K MAP SERIES:** 32N KL 84



2000-m cell, 200-m grid, MGRS
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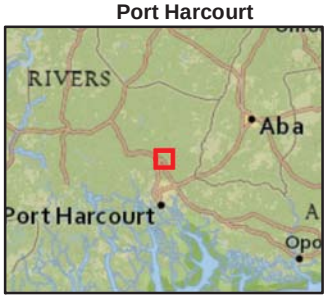

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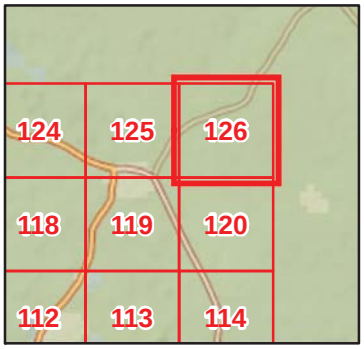

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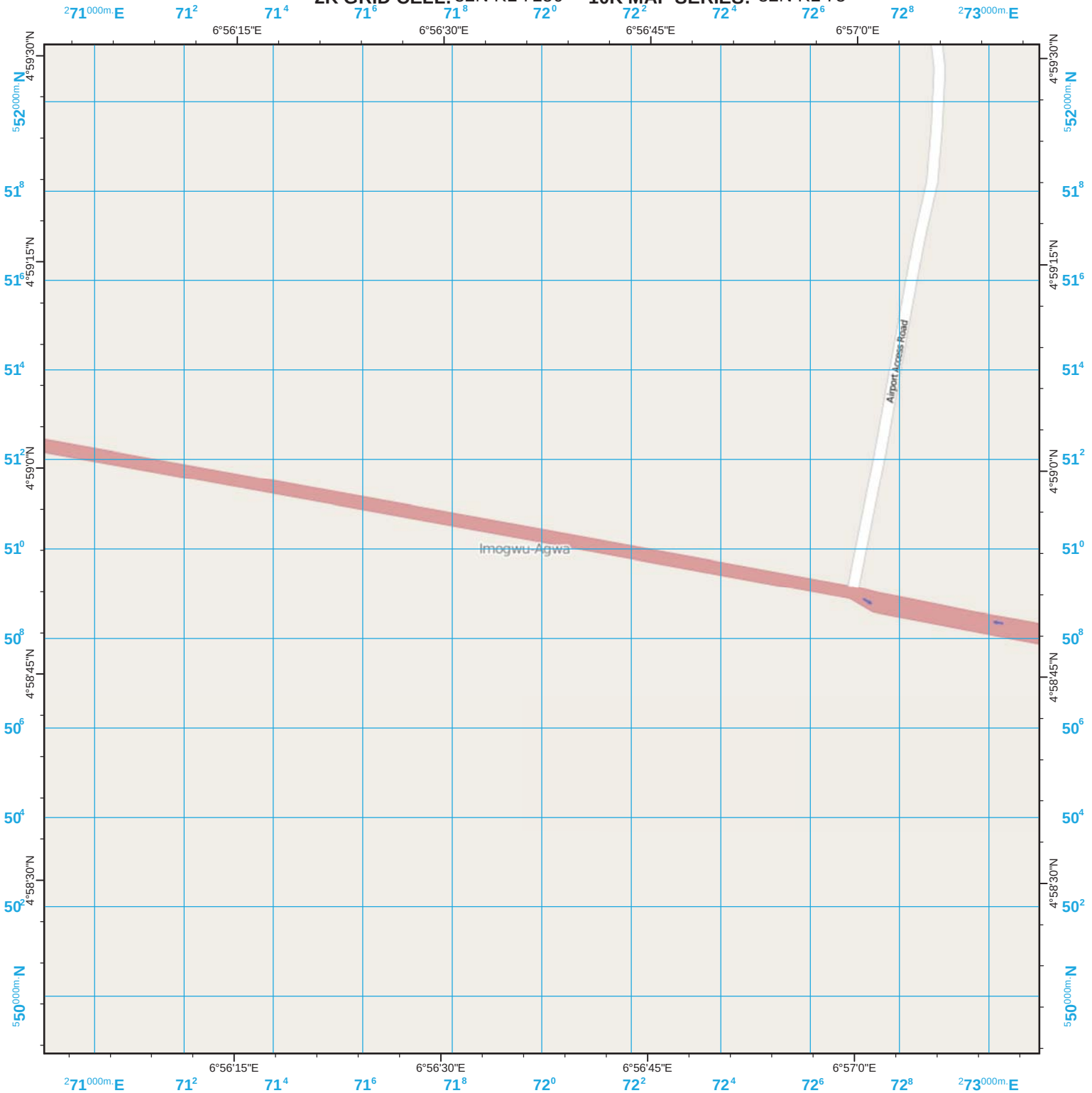

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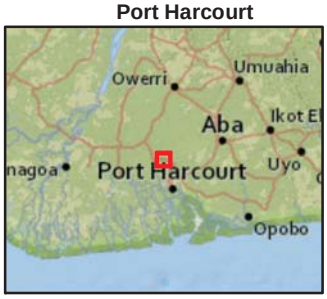

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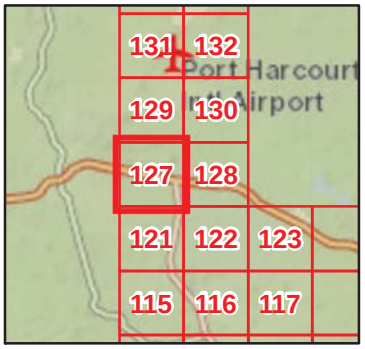

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2000-m cell, 200-m grid, MGRS
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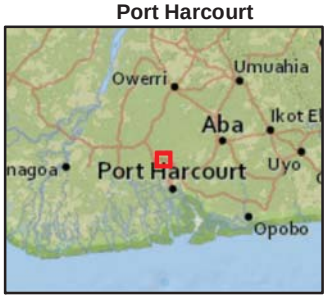

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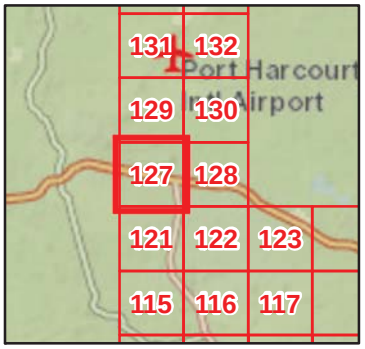

PORT HARCOURT, NIGERIA

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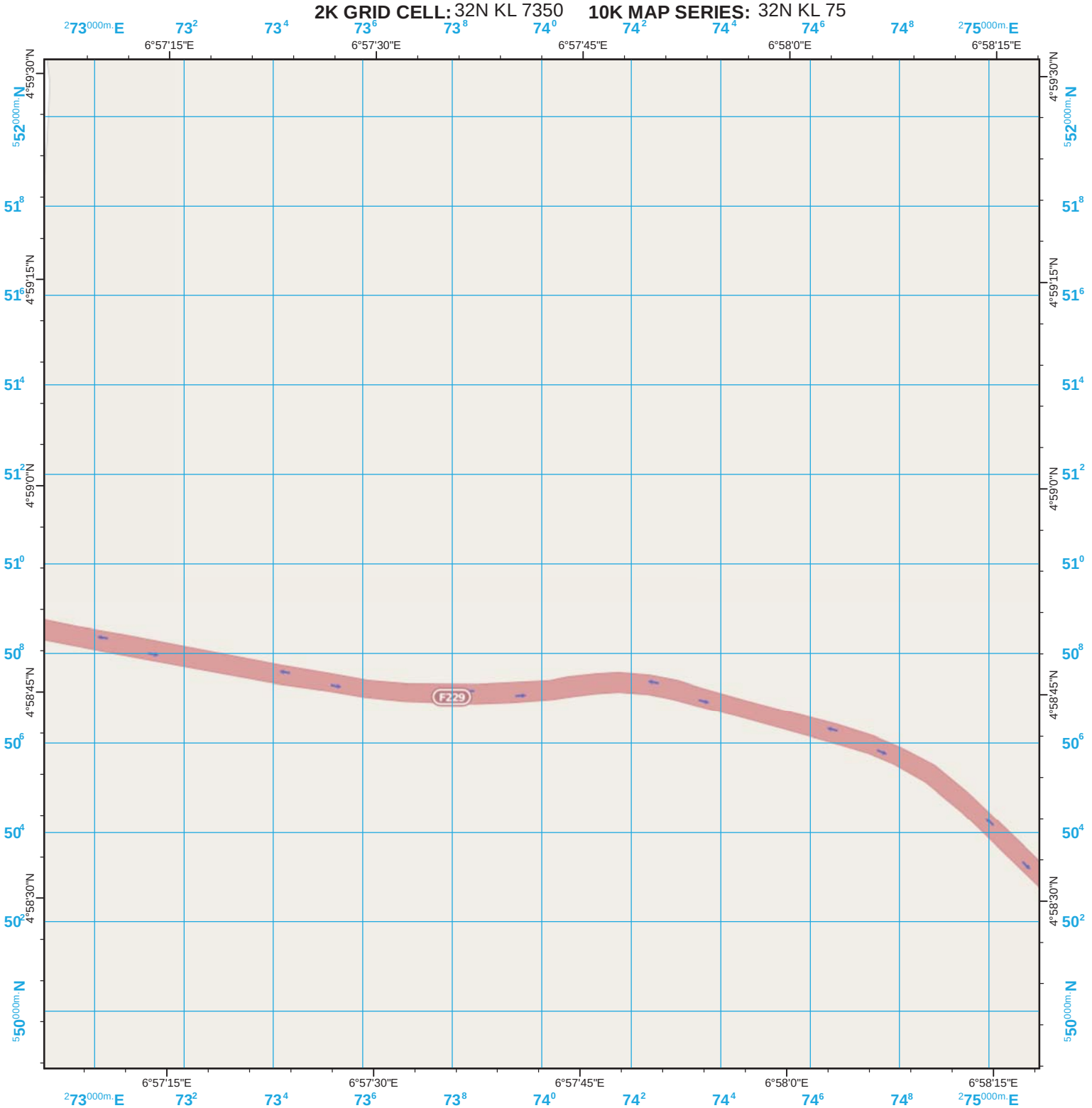

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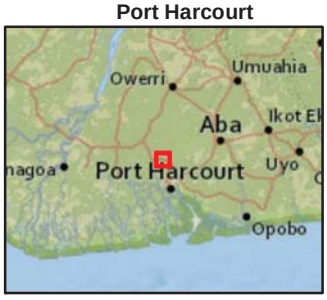
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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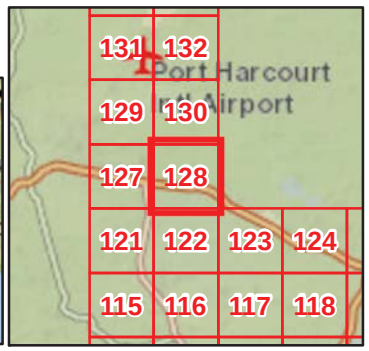

PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7350 **10K MAP SERIES:** 32N KL 75

2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
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- POINT OF INTEREST
- POLICE
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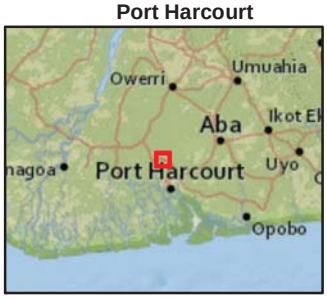
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



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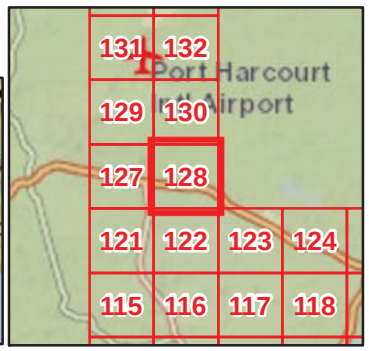
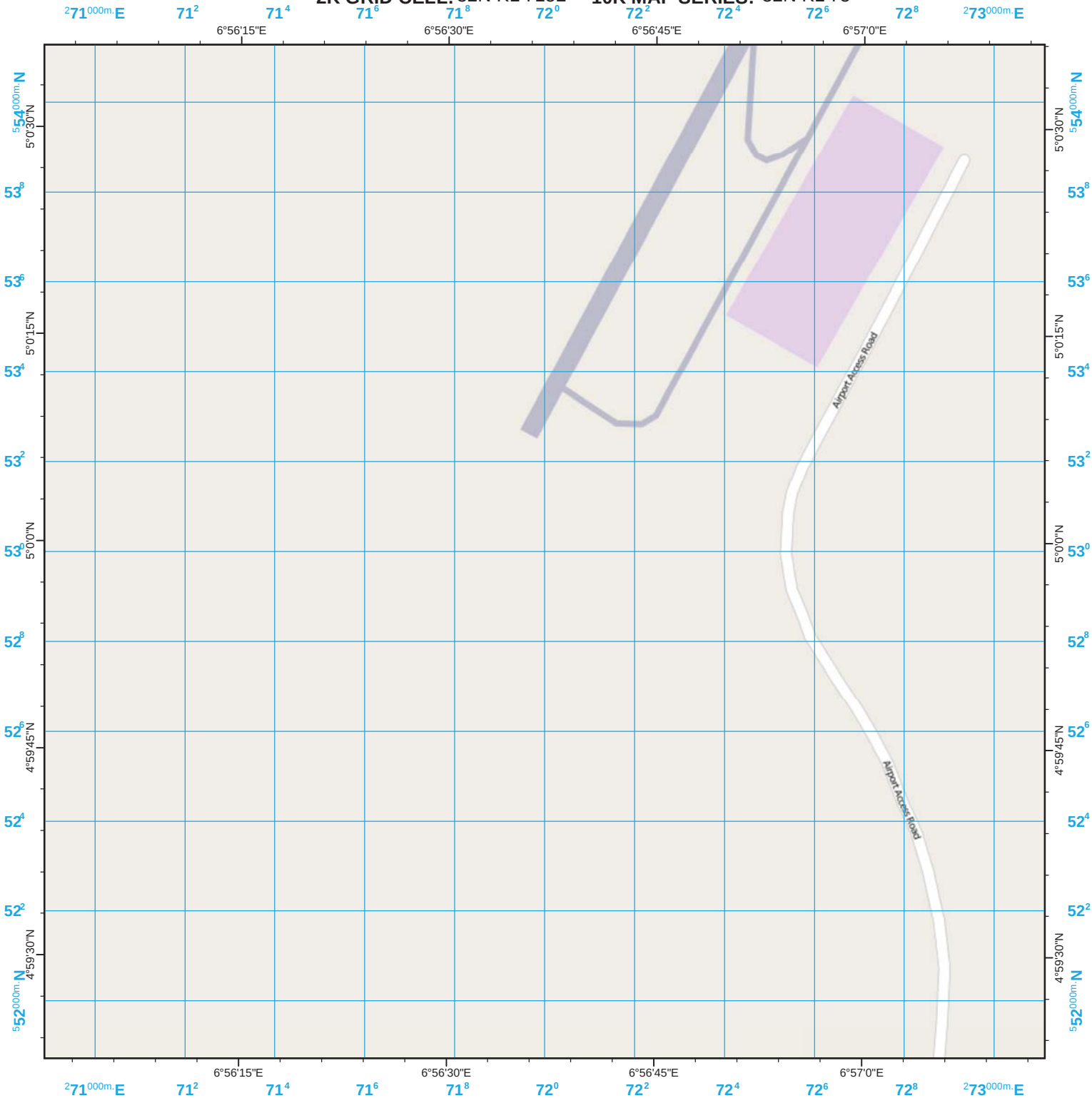


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7152 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
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- COMMUNITY CENTER
- COURT
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- STADIUM
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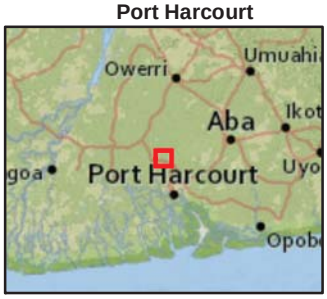
Port Harcourt



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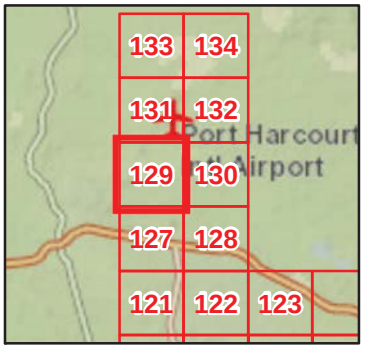
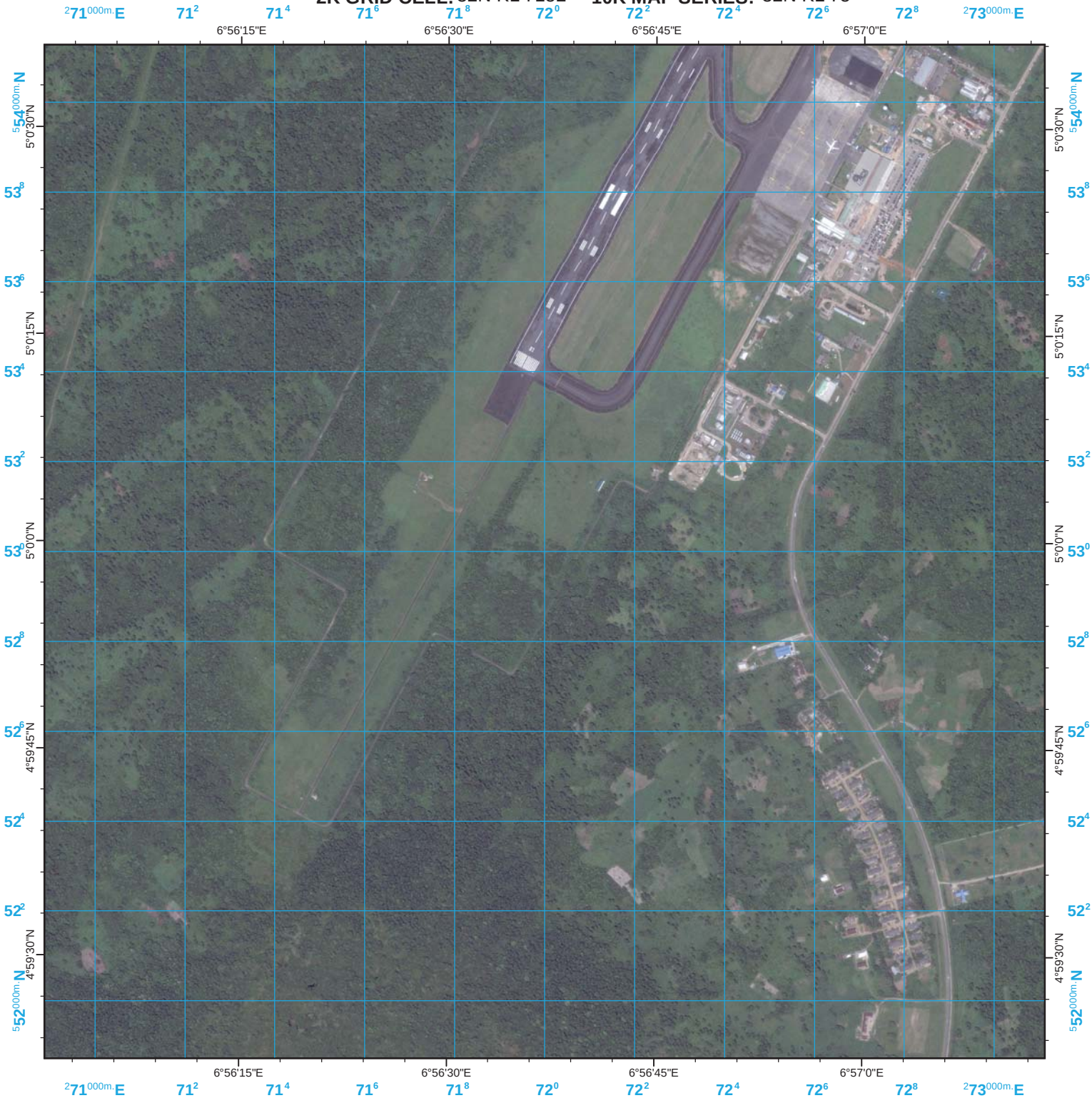


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7152 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

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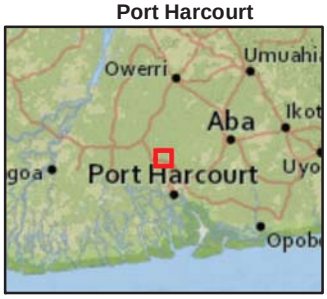
Port Harcourt



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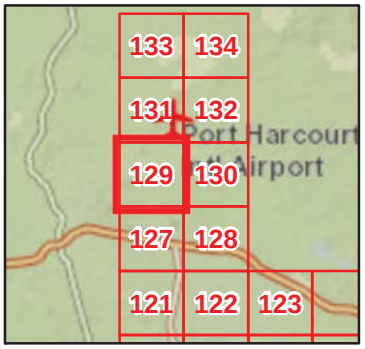
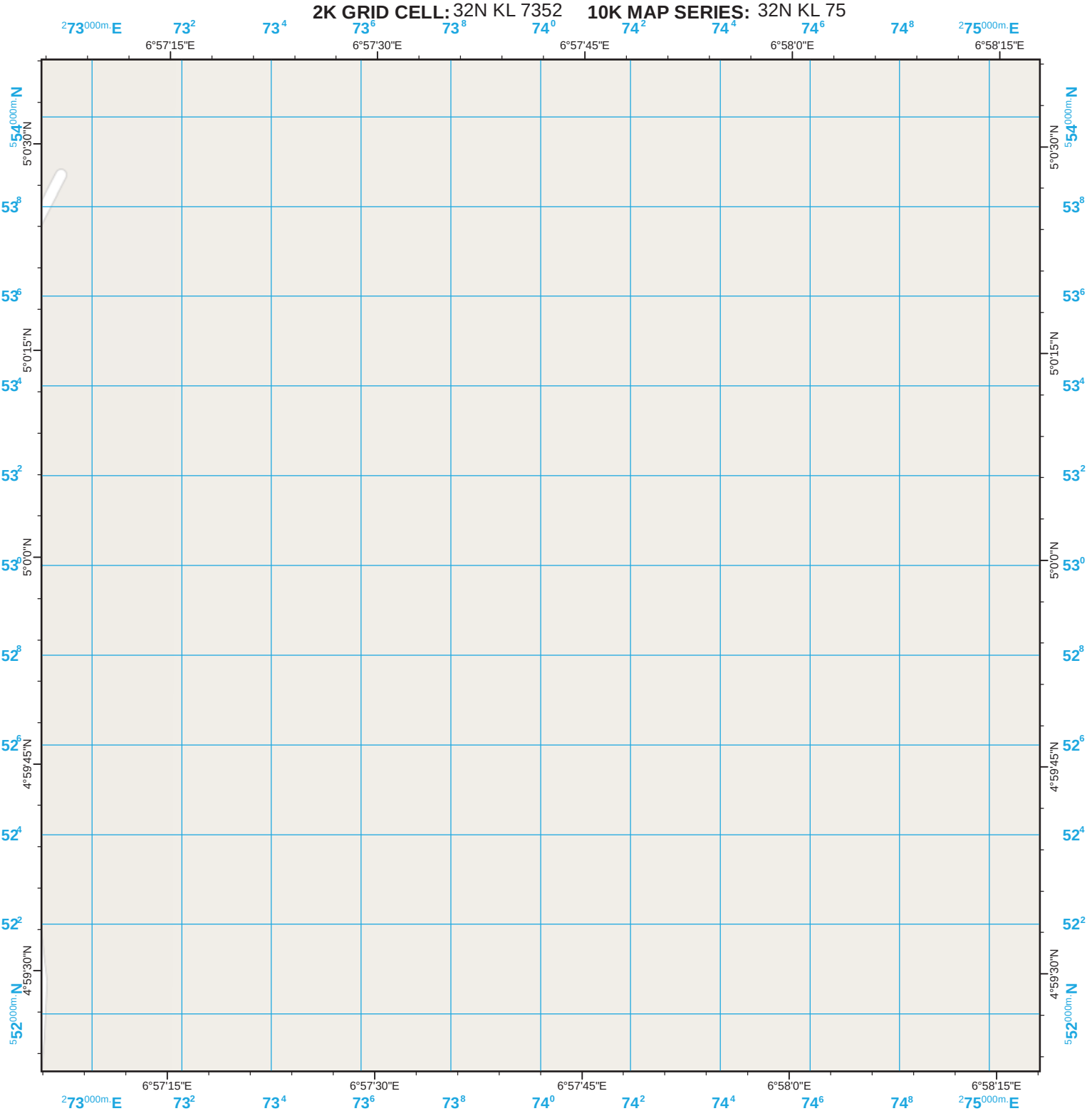


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7352 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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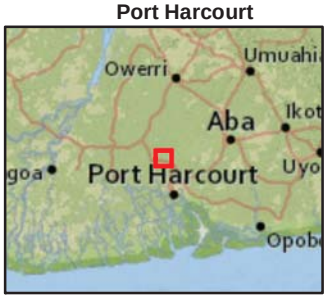
Port Harcourt



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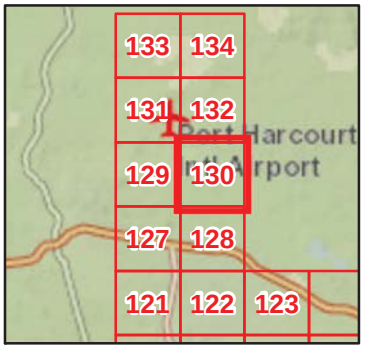
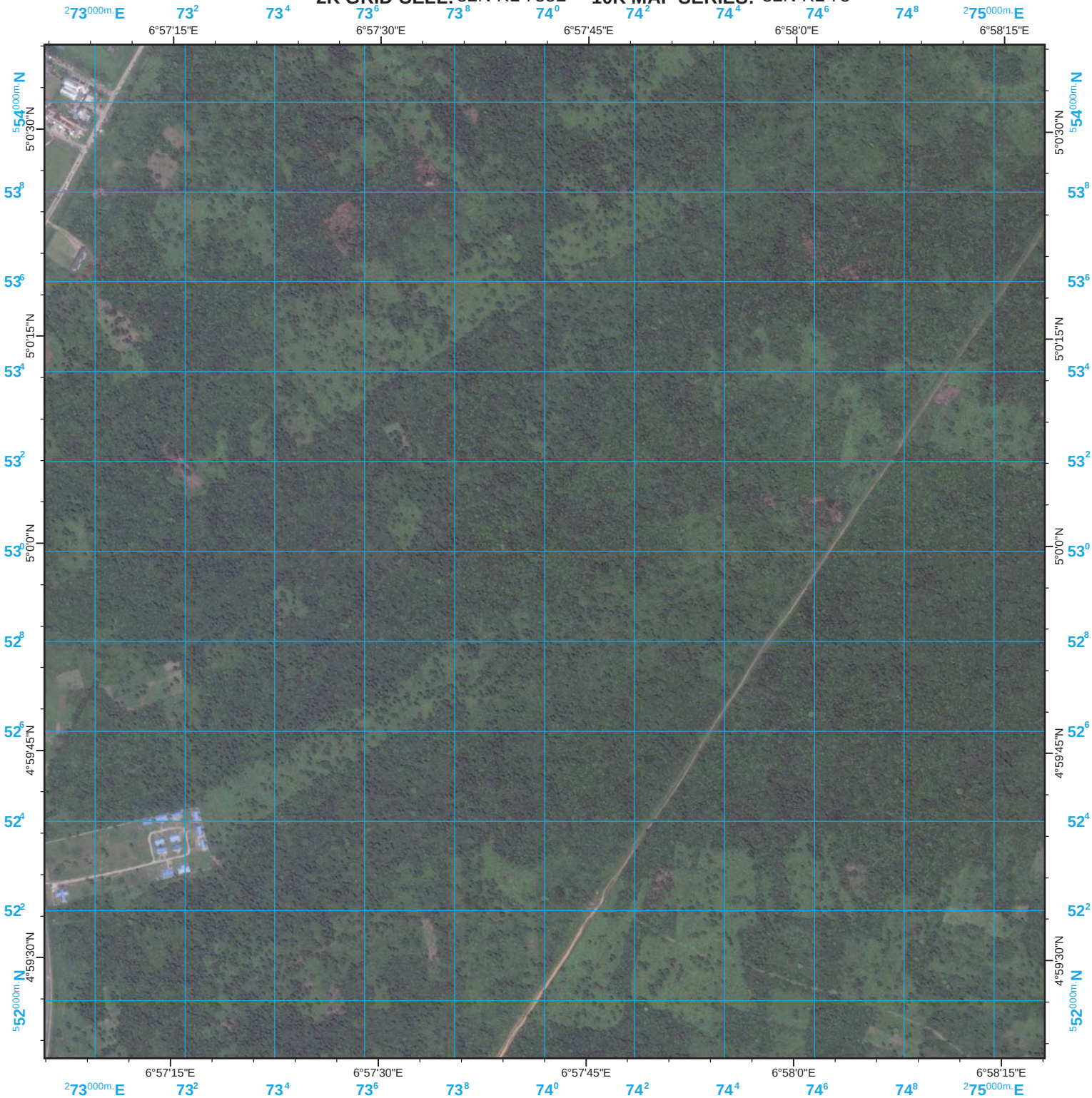


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7352 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

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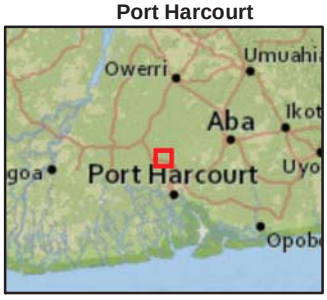
Port Harcourt



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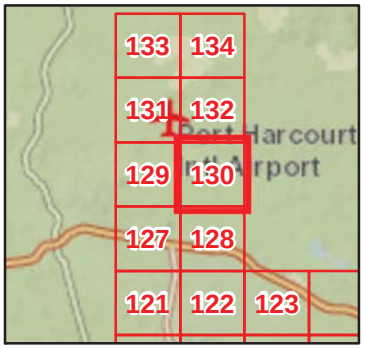
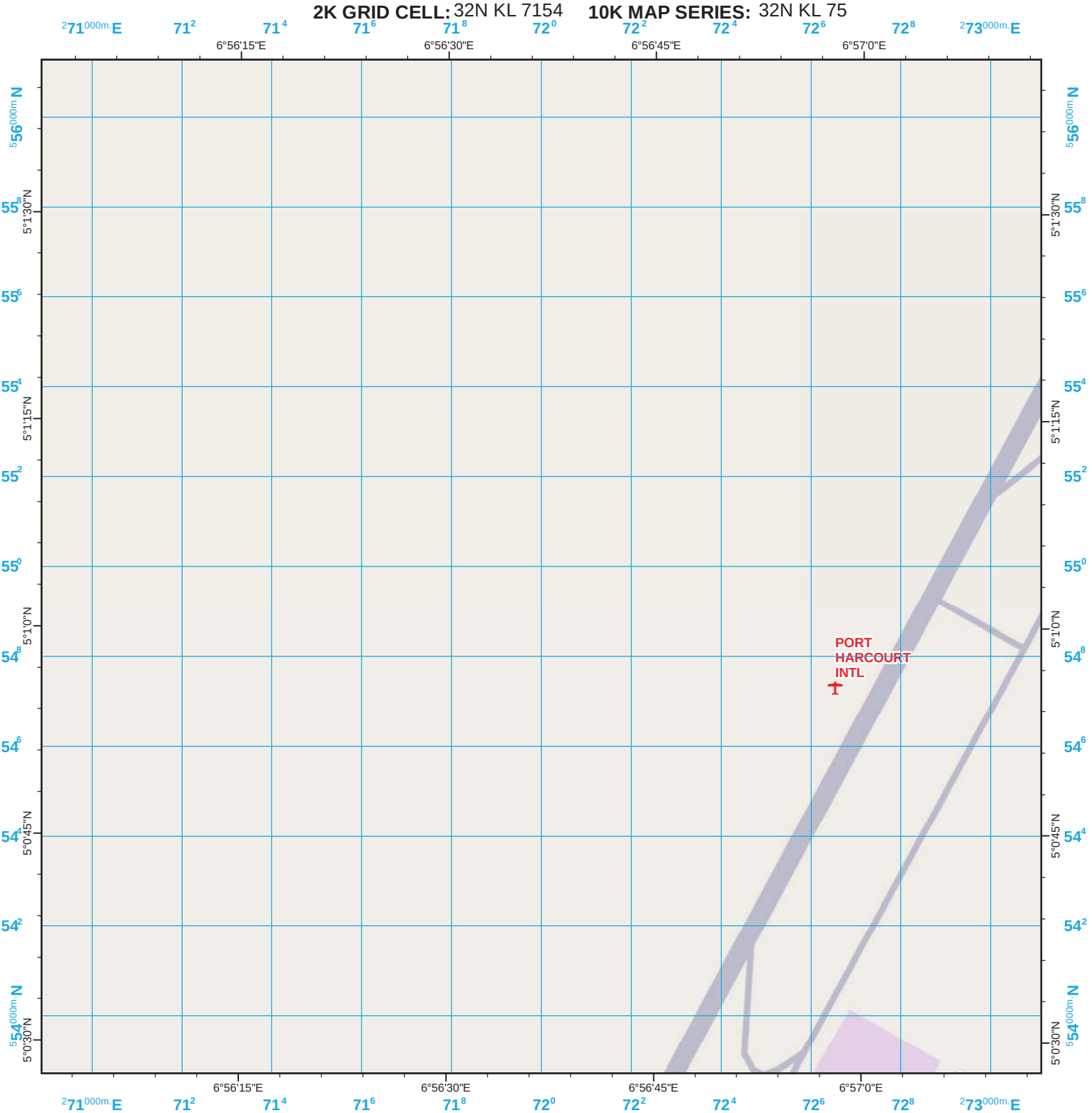


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7154 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
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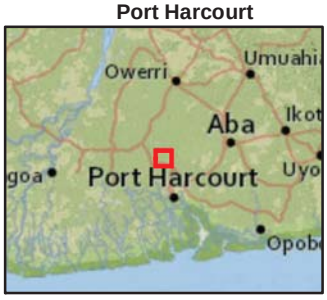
Port Harcourt



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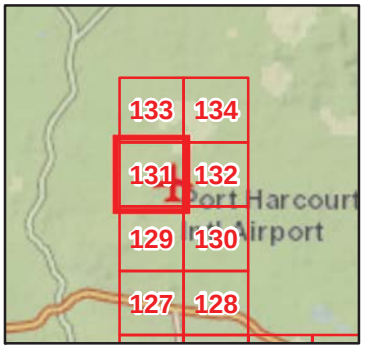
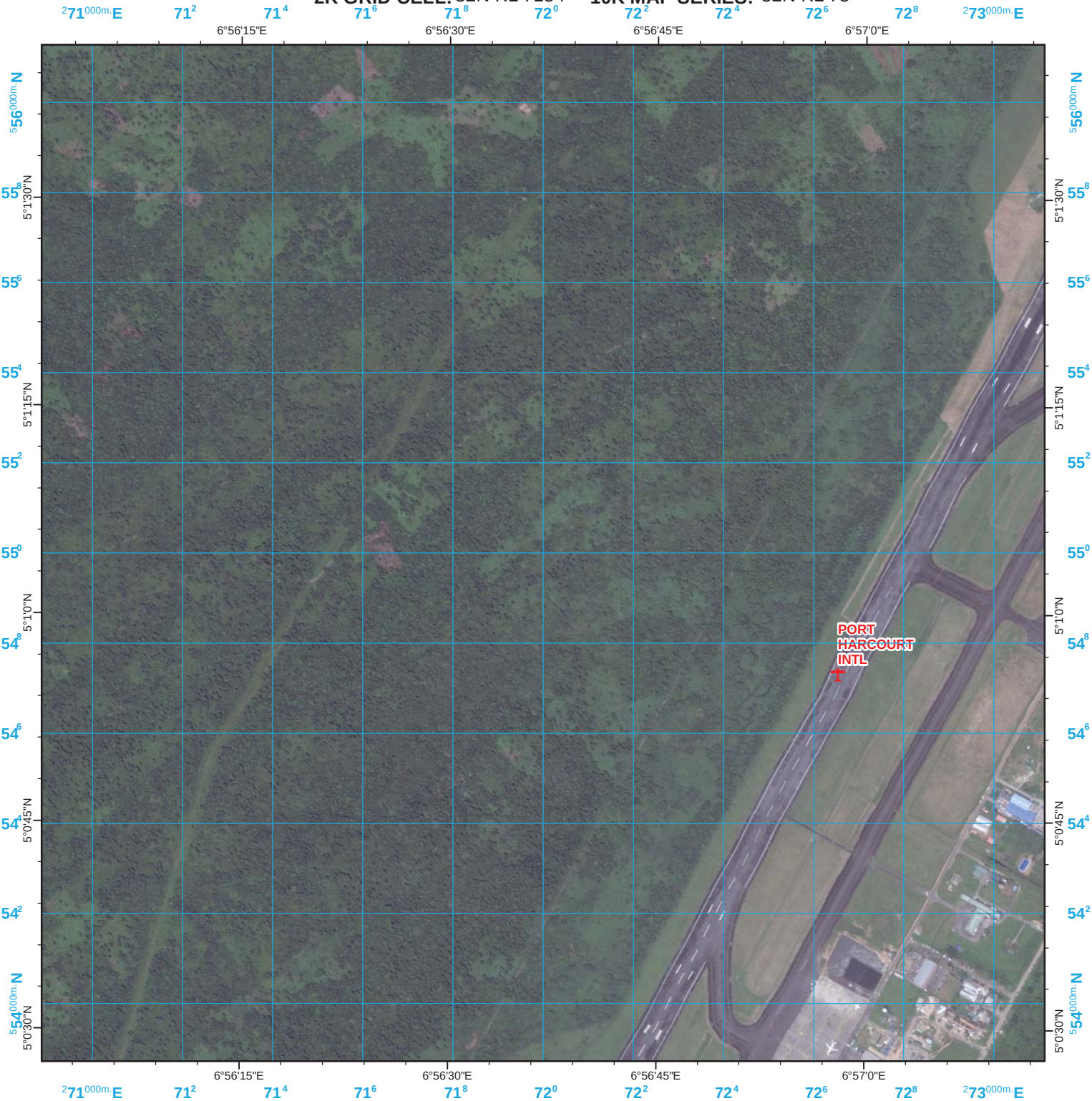


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7154 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ
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1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

- AIRPORT
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- STADIUM
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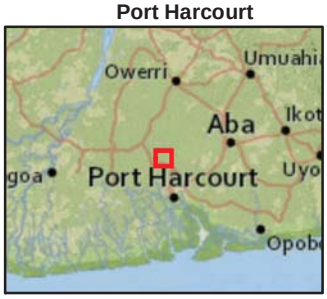
Port Harcourt



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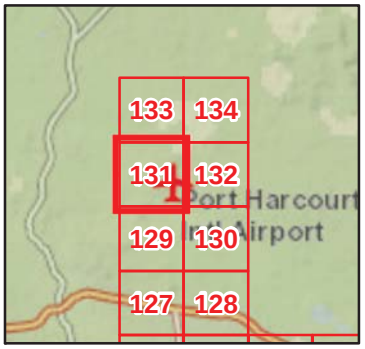
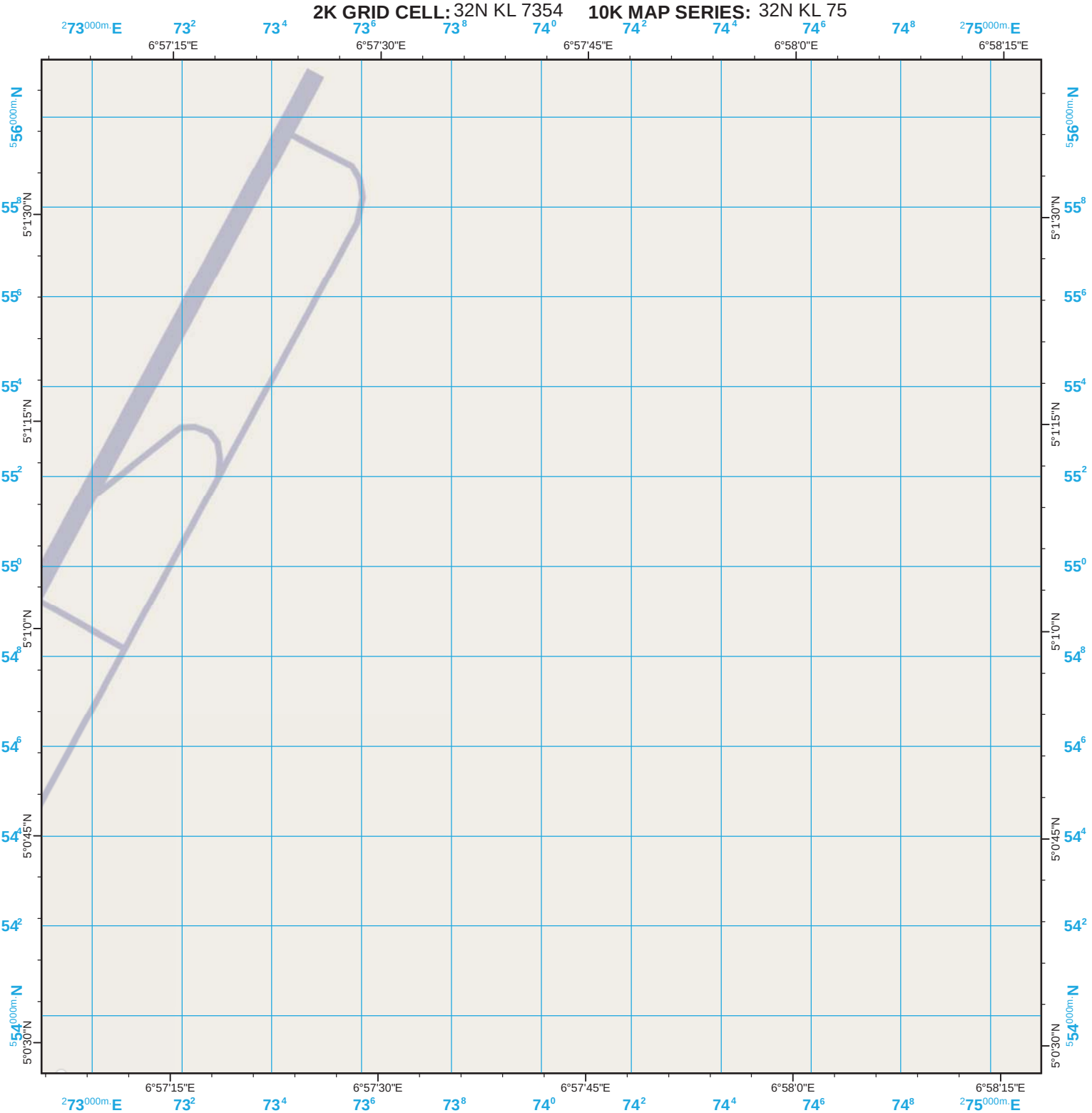


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7354 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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MGRS
100,000-m Square Grid
KL
Grid Zone Designation
32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
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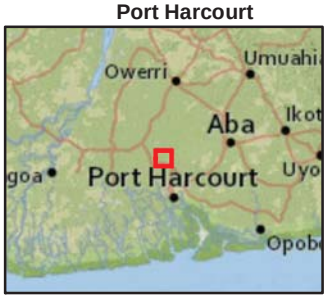
Port Harcourt



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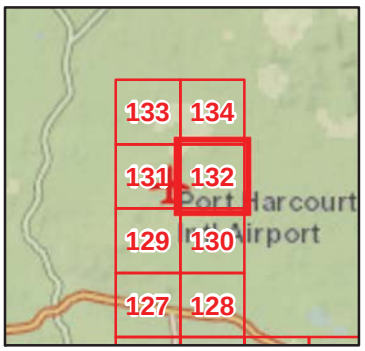
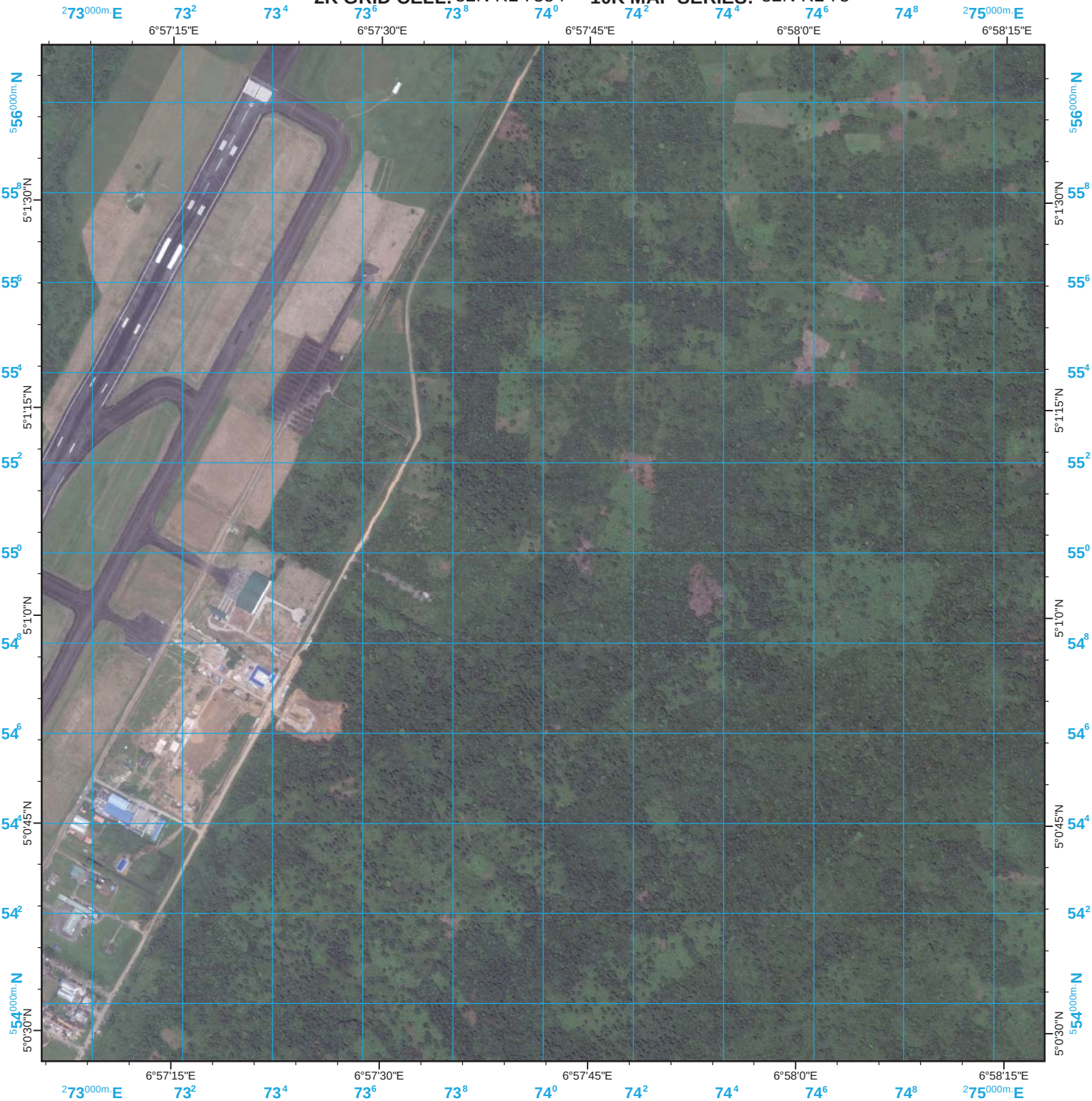


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7354 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

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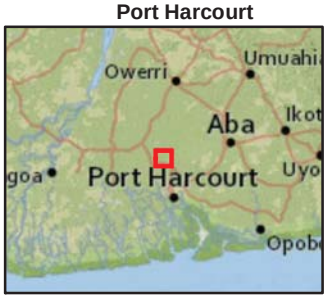
Port Harcourt



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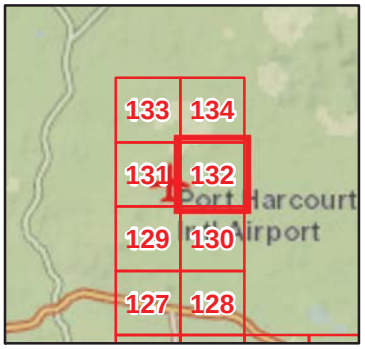
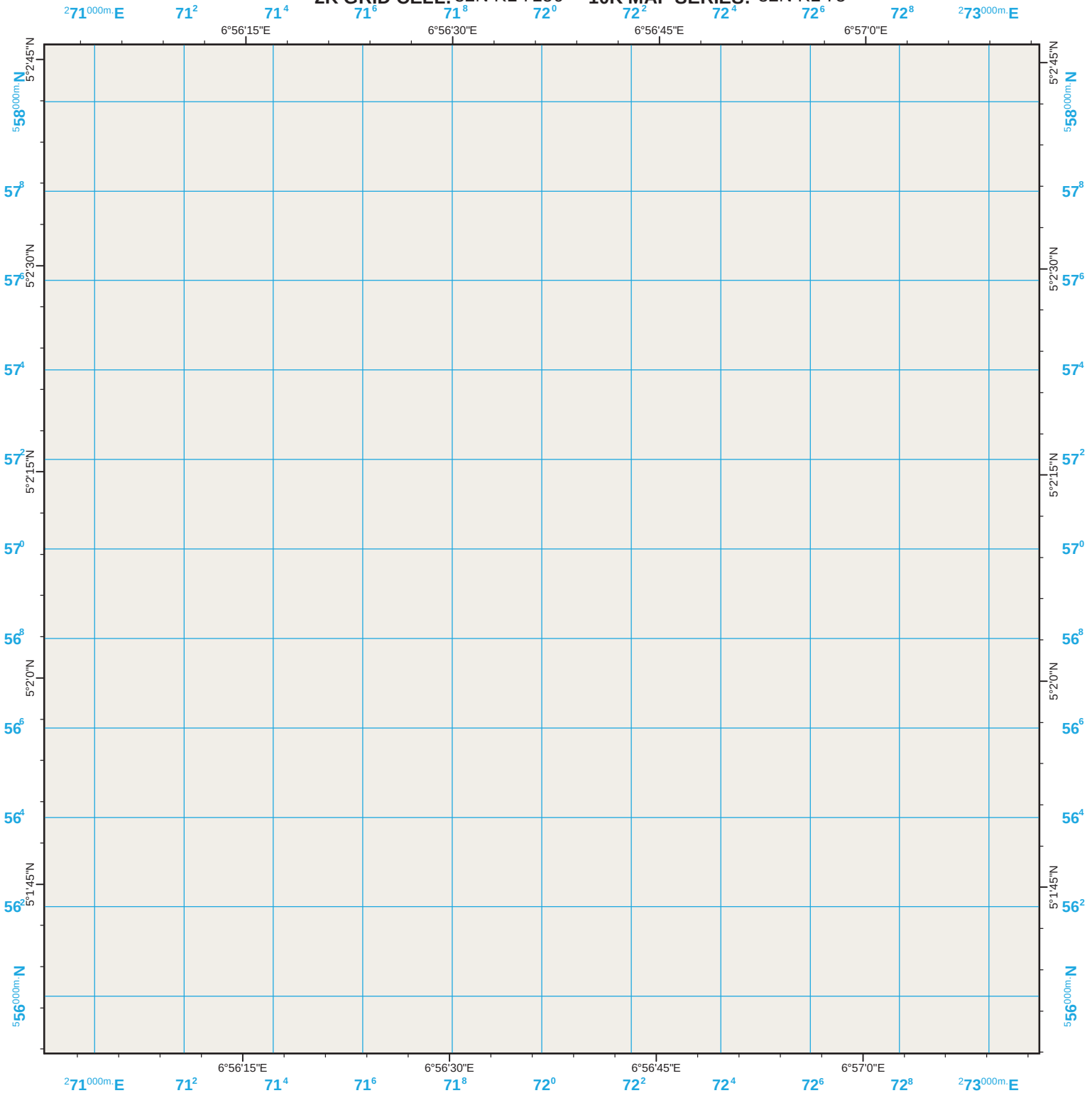


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7156 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
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MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters

0 250 500 1,000 1,500 2,000 2,500 Feet

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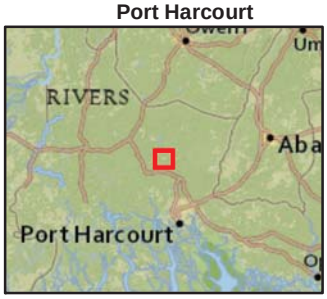
Port Harcourt



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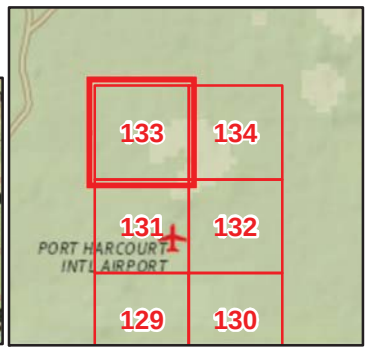
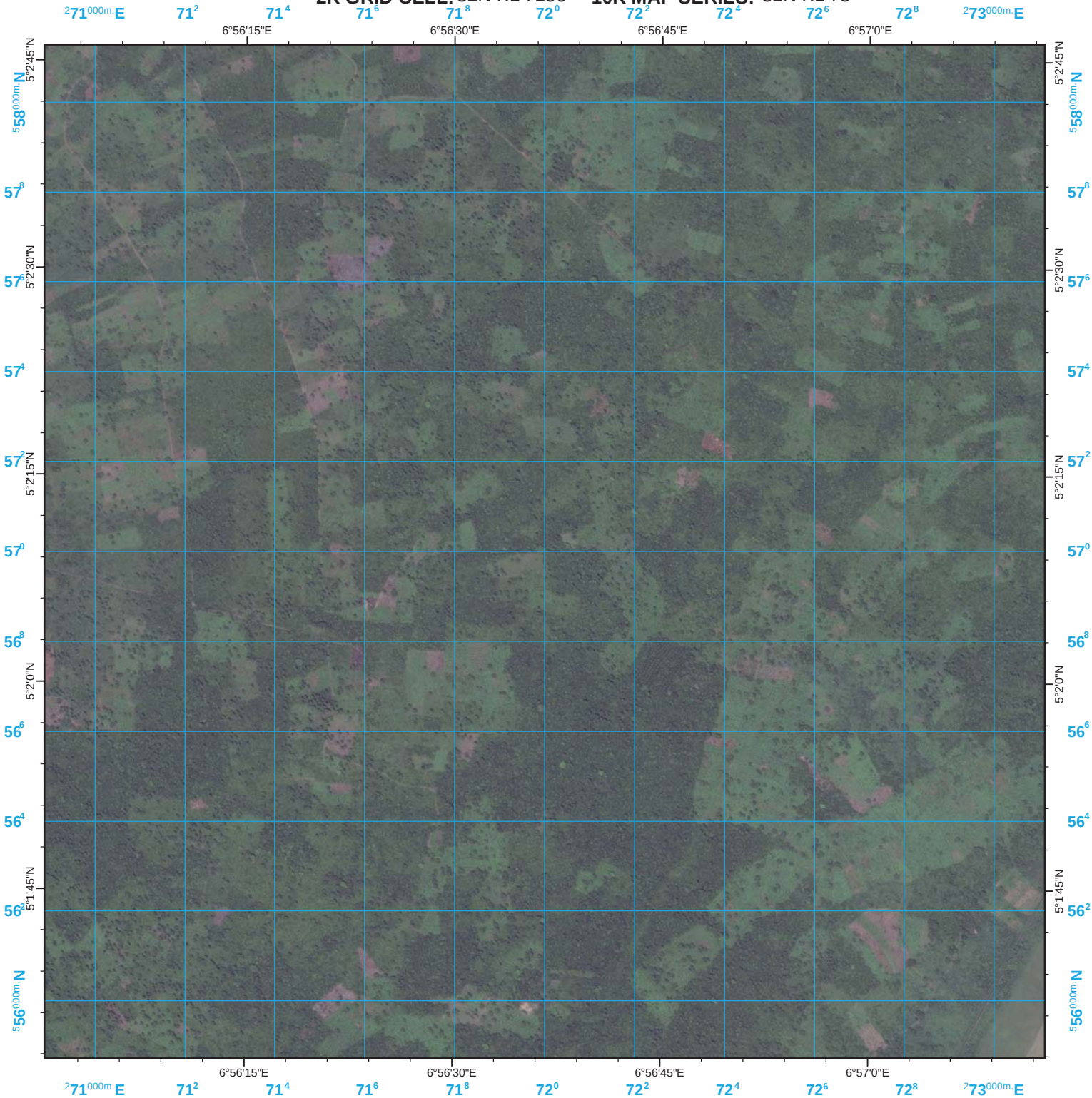


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7156 **10K MAP SERIES:** 32N KL 75



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For information and planning purposes only.

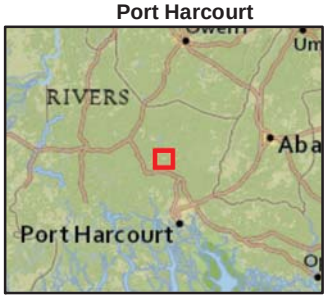
MGRS
100,000-m Square Grid: KL
Grid Zone Designation: 32N

1:12,000 Scale

0 50 100 200 300 400 500 Meters
0 250 500 1,000 1,500 2,000 2,500 Feet

- AIRPORT
- BANK
- CEMETERY
- CINEMA
- COMMUNITY CENTER
- COURT
- EMBASSY
- FIRE STATION
- GAS STATION
- GOVERNMENT
- HOSPITAL
- HOTEL
- MEDICAL SERVICES
- MOSQUE
- PLACE OF WORSHIP
- POINT OF INTEREST
- POLICE
- POST OFFICE
- PRISON
- SCHOOL
- SHOPPING
- STADIUM
- DINING

Port Harcourt



INDEX MAP

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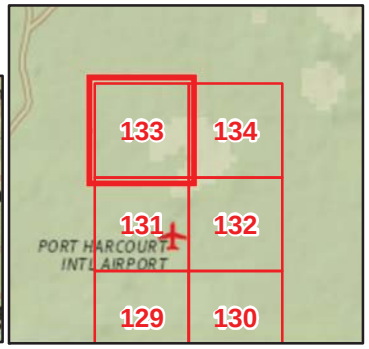
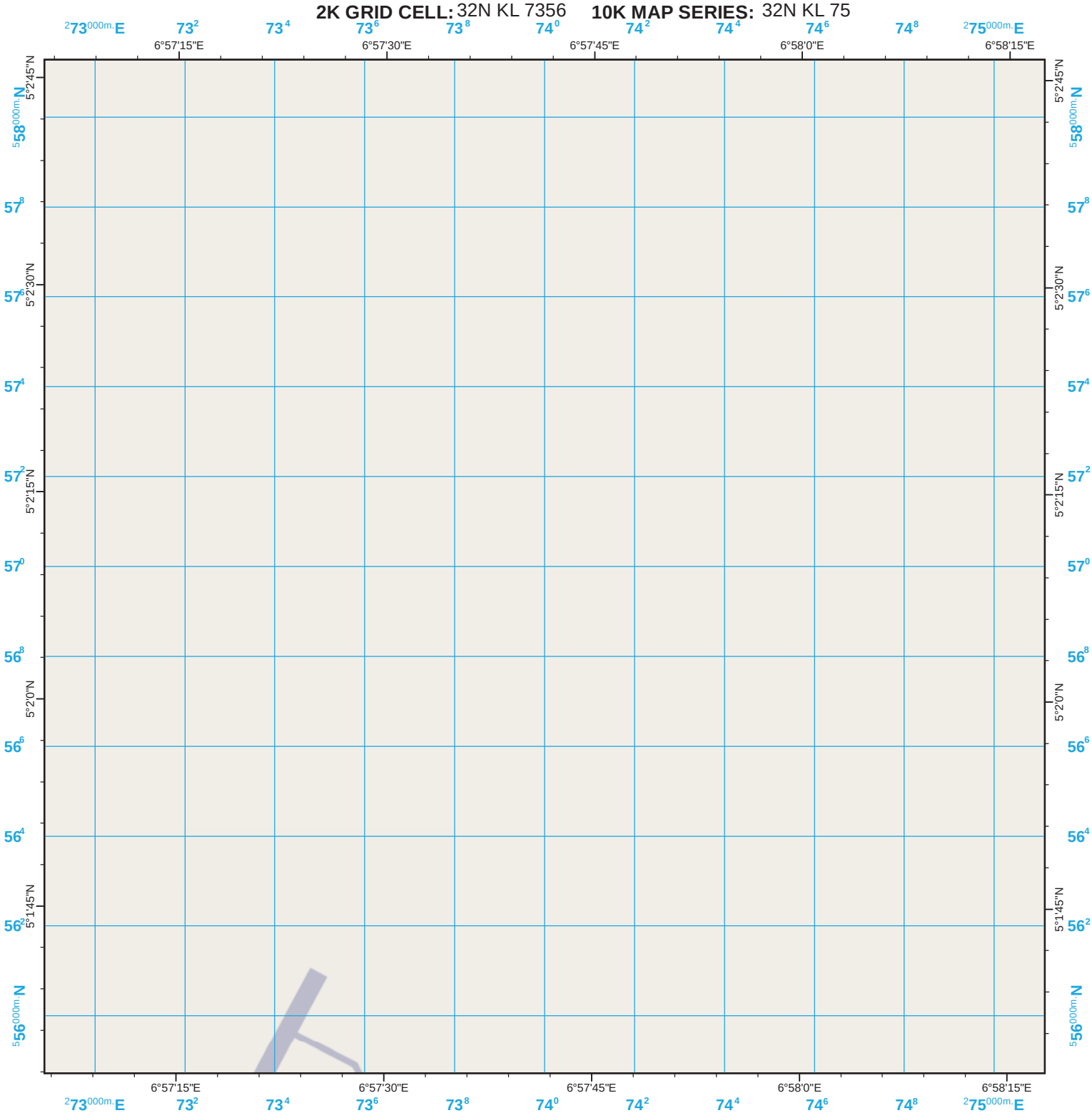


PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7356 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
World Geodetic System 1984 Datum
Grid Zone Designation: 32N
100,000-m Square Identification: KL
Map / Vector Data Source: NAVTEQ &
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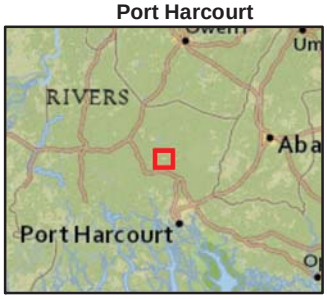
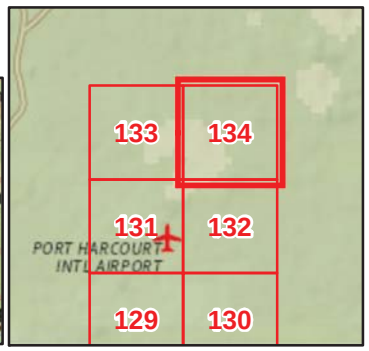
Port Harcourt



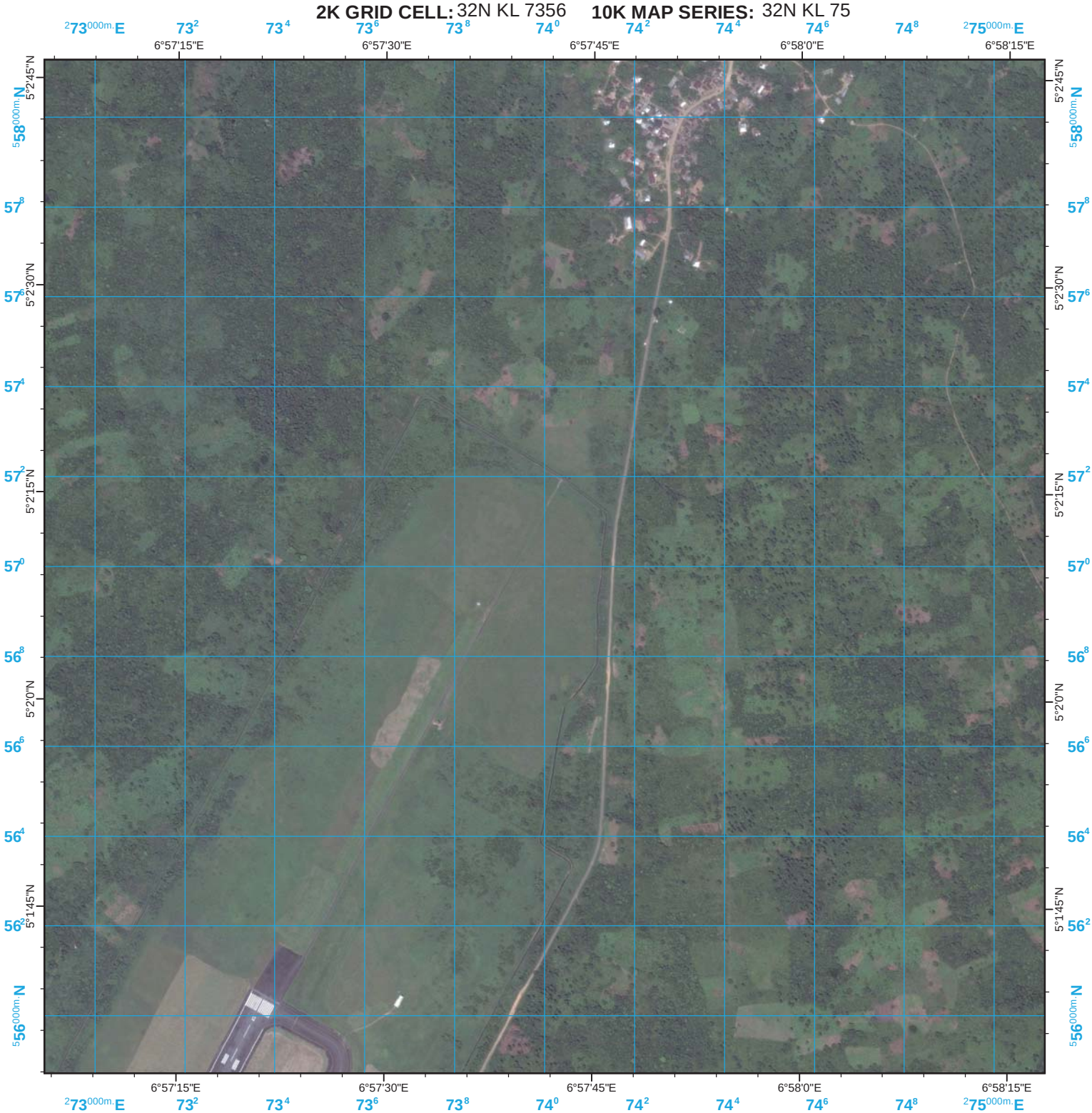
INDEX MAP

MAPSHEET 134 of 134



PORT HARCOURT, NIGERIA

2K GRID CELL: 32N KL 7356 **10K MAP SERIES:** 32N KL 75



2000-m cell, 200-m grid, MGRS
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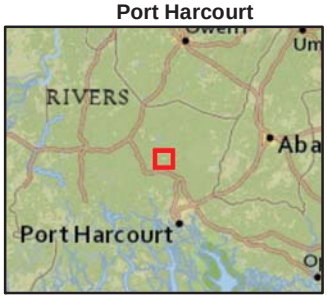

INDEX MAP

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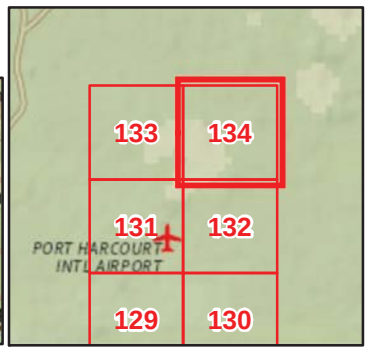

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PORT HARCOURT, NIGERIA

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