

Figure1-4 Rainfall Stations in Al Baha Region

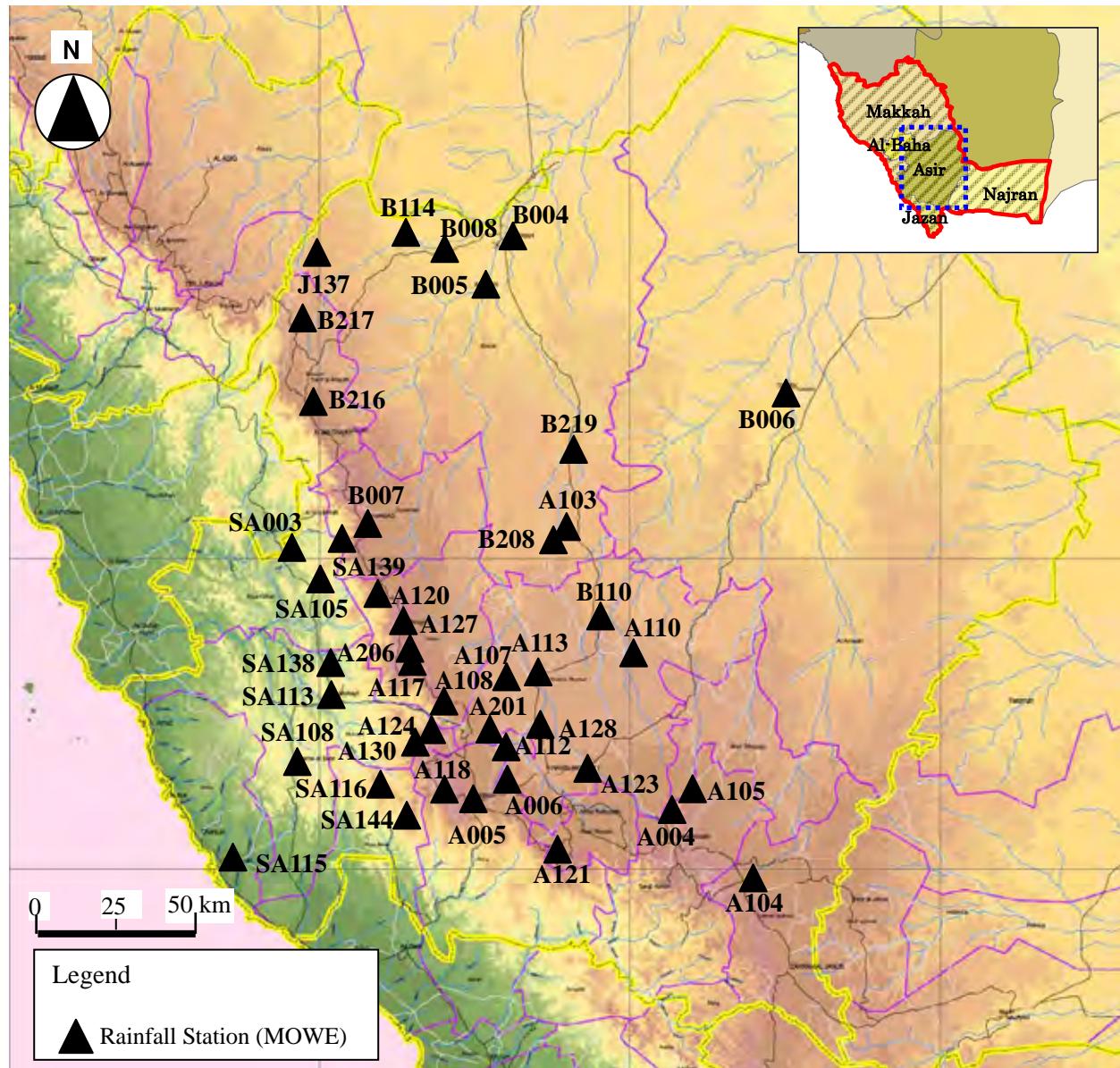


Figure1-5 Rainfall Stations in Asir Region



Figure1-6 Rainfall Stations in Jazan Region

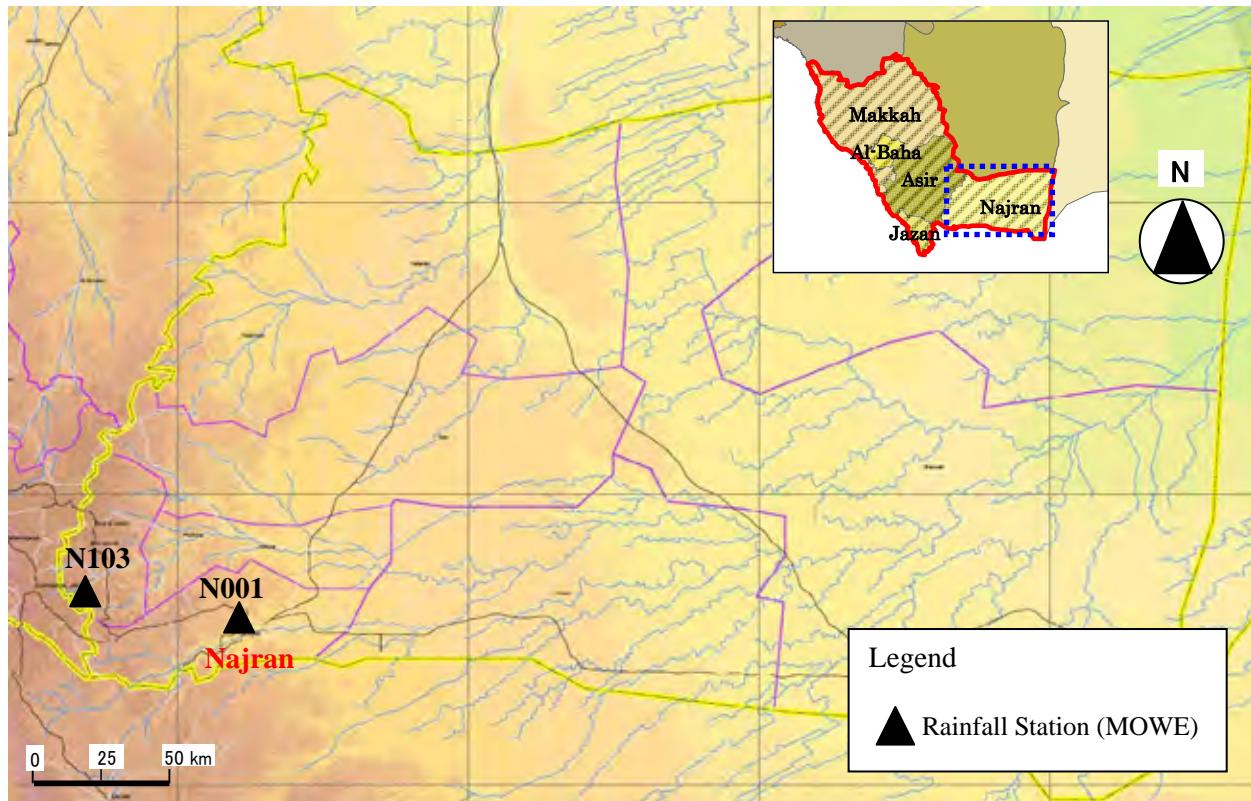


Figure1-7 Rainfall Stations in Najran Region

(2) Runoff Stations

MOWE had had 40 Runoff Stations in the study area shown in Table1-4, and observation of discharge was continued by around 1985.

Location of the runoff stations in each region are shown in Figure1-8~Figure1-12.

Table1-4 Runoff Stations under the Control of MOWE in the Study Area

No.	Region	Station Name	Station No.	Catchment Area (km ²)	Altitude (EL.m)	Latitude	Longitude	Data Arrangement
1	Makkah	WADI RANYAH (LOWER)	B407	8,830	820	21° 14' 0"	42° 47' 0"	1973~1976, 1979~1981
2		WADI KHULAYS NR UM ADDAR	J401	2,671	100	22° 11' 10"	39° 27' 10"	1966~1981
3		WADI NAAMAN	J402	383	390	21° 21' 0"	40° 7' 0"	1967~1981
4		WADI RABIGH AT RABIGH	J403	4,500	8	22° 48' 25"	39° 2' 0"	1969~1981
5		WADI QUDAYD AT HAMMAMAH	J405	100		22° 24' 0"	39° 23' 0"	1969~1972
6		WADI SADIYAH AT SADIYAH	J407	1600		20° 44' 0"	39° 55' 0"	1970~1977
7		WADI SAFRA AT DAGHABIJ	J408	895.7	495	22° 51' 0"	38° 54' 0"	1967~1981
8		WADI GHORAN	J410	1405.6	100	21° 57' 20"	39° 25' 10"	1966~1981
9		WADI YIBA AT SUQ THULUTH	SA401	784	420	19° 16' 0"	41° 48' 0"	1970~1981
10		WADI YIBA AT SUQ JUMA	SA402	2722	80	19° 2' 30"	41° 27' 30"	1972~1978
11		WADI BISSEL	TA401	236	1525	21° 12' 0"	40° 43' 0"	1966~1981
12		WADI LIYYAH NR AT TAIF	TA402	182	1640	21° 13' 0"	40° 27' 0"	1966~1975
13		WADI TURABAH NEAR TURABAH	TA403	3720	1270	20° 54' 0"	41° 37' 0"	1966~1981
14		WADI WAJJ NR AT TAIF	TA404	120	1750	21° 12' 30"	40° 20' 20"	1966~1981
15		WADI WAJJ AT AKRAMAH DAM	TA405	230	1700	21° 15' 0"	40° 21' 0"	1966~1969
16		WADI ARDAH	TA407	1100	1450	20° 32' 0"	41° 17' 0"	1981
17		WADI SHUQUB	TA408	300	1500	20° 40' 0"	41° 16' 0"	1981
18		WADI SHUQUB	TA409	700	1500	20° 45' 1"	41° 12' 0"	1981
19	Al Baha	WADI RANYAH (UPPER)	B408	3,290	1,360	20° 18' 0"	42° 6' 0"	1972~1981
20		WADI DOQAH NR USHAYLAH	J404	970	80	19° 45' 0"	41° 2' 0"	1968~1981
21	Asir	WADI ABHA AT ABHA	A401	59	2,160	18° 12' 0"	42° 29' 0"	1966~1974
22		WADI ASHRAN AT MAZMA	A402	80	2,150	18° 17' 0"	42° 28' 0"	1966~1981
23		WADI BIN HASHBAL	A403	2285	1800	18° 28' 0"	42° 42' 0"	1966~1978, 1981
24		WADI HANI	A404	146	2,030	18° 24' 0"	42° 31' 0"	1966~1978, 1980~1981
25		WADI TINDAHA	A405	440	1,880	18° 18' 0"	42° 51' 0"	1967~1981
26		WADI ITWED AT KHAMIS MUSHATY	A406	500	1,950	18° 18' 30"	42° 43' 18"	1970~1973
27		WADI KHAMIS MUSHAYT AT KHAMIS MUSHAYT	A407	599	1,950	18° 18' 0"	42° 44' 0"	1970~1973
28		WADI BISHA NR HEIFA	B402	500	1,140	19° 52' 0"	42° 32' 0"	1967~1977, 1979~1981
29		WADI TATHLITH AT TATHLITH	B404	12,700	1,080	19° 31' 0"	43° 30' 0"	1967~1978, 1980~1981
30		WADI TUBALAH	B405	1,090	1,290	20° 2' 0"	42° 13' 0"	1969, 1971~1981
31		WADI BISHA AT SADA	B406	16,920	1,090	20° 9' 0"	42° 42' 0"	1967~1981
32		WADI HARJAB	B410	2,875	1,170	19° 48' 0"	42° 35' 0"	1979~1981
33		WADI SHERRI NR KWASH	SA404	119	410	18° 58' 38"	41° 53' 40"	1970~1977
34		WADI HALI AT AL HUSSAN	SA411	4575.6	298	18° 46' 0"	41° 35' 0"	1967~1981
35		WADI ITWAD (MAIN STATION)	SA414	1350	150	17° 48' 0"	42° 21' 0"	1967, 1969~1980
36	Jazan	WADI BAYSH AT FATIYAH	SA415	4713	200	17° 34' 0"	42° 37' 0"	1959~1963, 1968~1981
37		WADI DAMAD NEAR DAMAD	SA417	1000	130	17° 9' 0"	42° 53' 0"	1958~1964, 1966~1981
38		WADI JIZAN AT MALAKI	SA418	1200	42	17° 3' 0"	42° 57' 0"	1967~1981
39		WADI KHULAB NR SUQ AL AHAD MASARHA	SA421	900	99	16° 43' 0"	43° 1' 0"	1969~1981
40	Najran	WADI NAJRAN AT AS SAFA	N401	5,600	1,270	17° 27' 0"	44° 4' 0"	1967~1978

Sources: MOWE

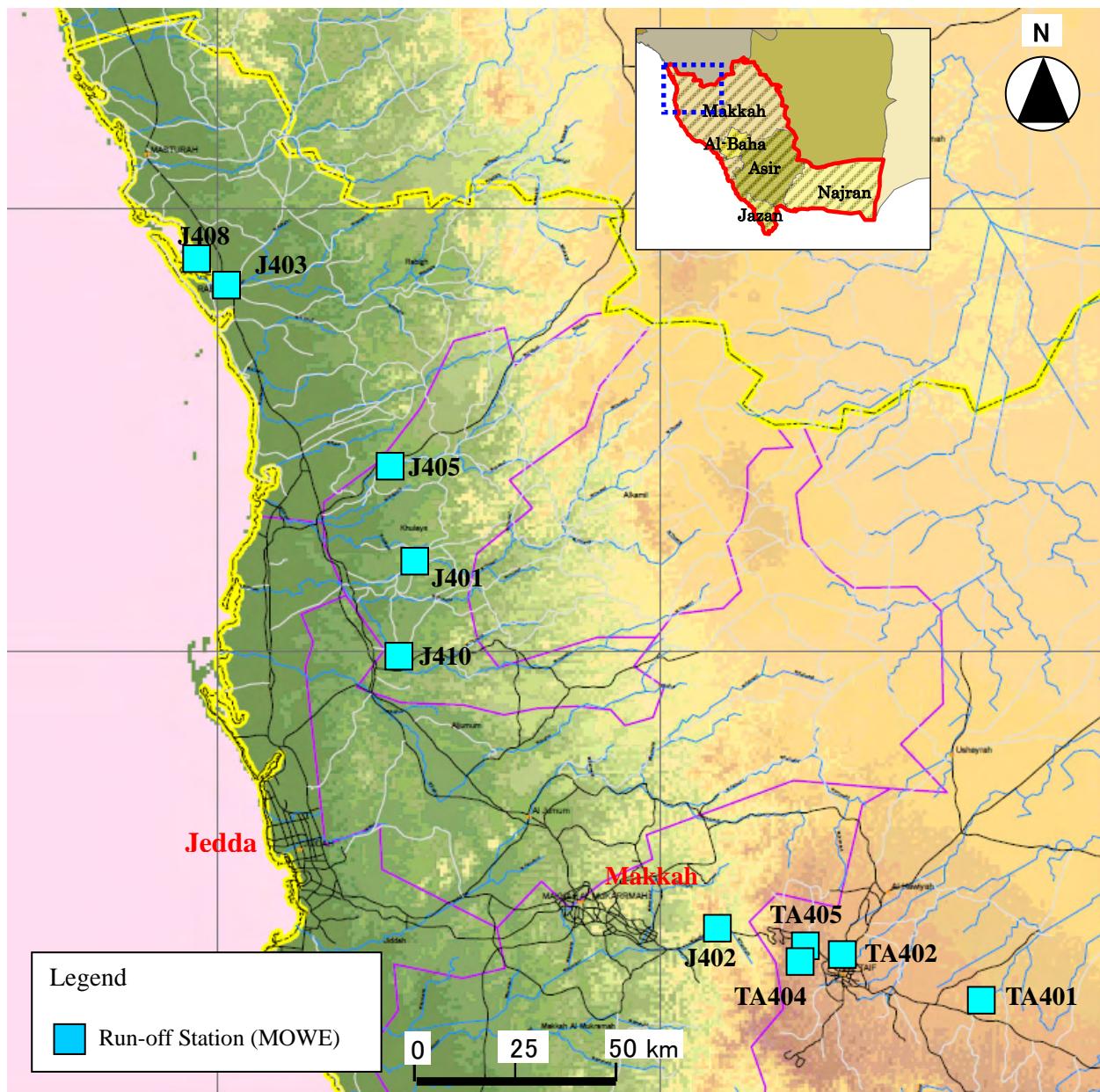


Figure1-8(1) Runoff Stations in Makkah Region

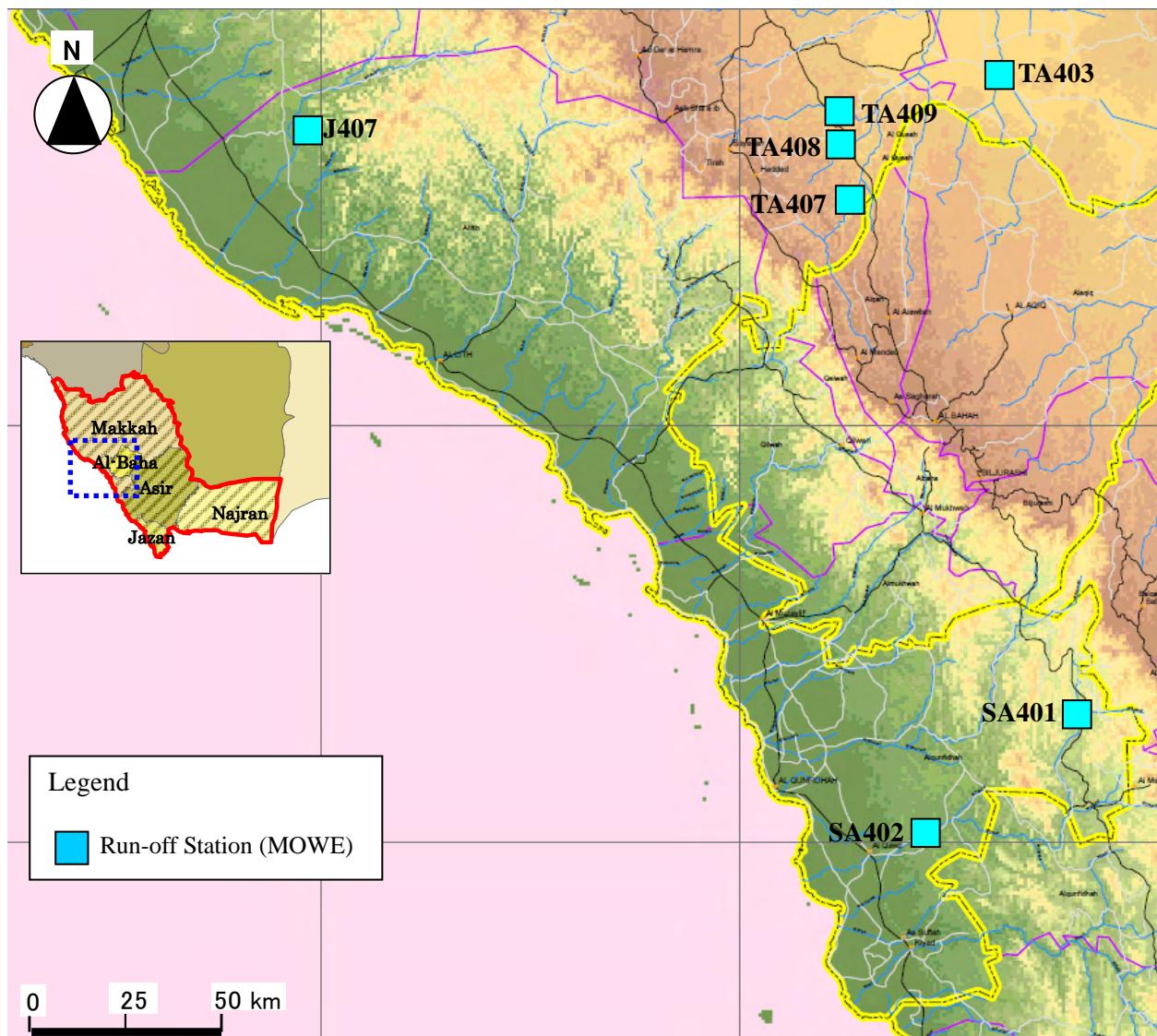


Figure1-8(2) Runoff Stations in Makkah Region

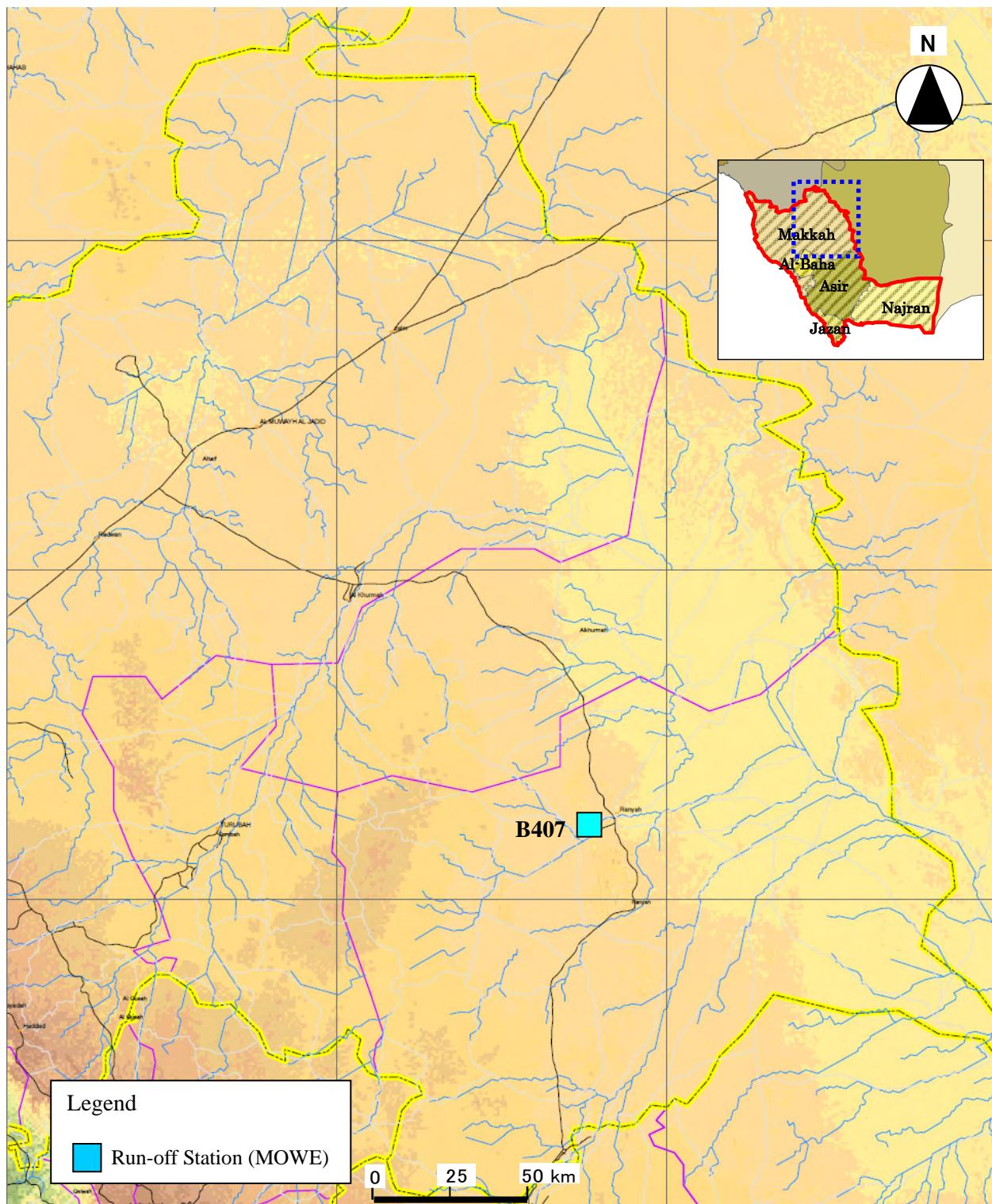


Figure1-8(3) Runoff Stations in Makkah Region