

SUPPLEMENTARY INFORMATION

First records of *Brephidium exilis* (Boisduval) (Lepidoptera: Lycaenidae) from southwestern part of the Arabian Peninsula suggests possible further dispersal into North Africa

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Table S1. Locations surveyed for butterflies (Lepidoptera: Papilionoidea) in southwestern Saudi Arabia during two field trips in 2022.

Location	latitude	longitude
Abha, Az Zaydi, low ridge W of the village	18°15'23.41"	42°26'46.30"
Abha, Bani Mazin, small valley NW of the village	18°11'35.61"	42°26'29.03"
Abha, Raidah Sanctuary, in the valley before first settlement	18°11'44.47"	42°23'13.25"
Ad-Darb, along the bypass road S of the town	17°40'56.95"	42°15'13.15"
Addayer, Raya Masada, small wadi W of the village	17°22'19.08"	43°03'45.99"
Addayer, small wadi 2,6 km E of the town	17°20'38.70"	43°10'33.11"
Alaairej, along the highway at the S edge of the town	17°55'55.30"	41°42'57.65"
Al-Baha, Almandaq, along the road on the edge of the escarpment W of the village	20° 5'58.03"	41°16'47.90"
Al-Baha, Altharwah, at the E edge of the park	20°10'2.56"	41°23'25.16"
Al-Baha, Bani Sar, at a small quarry E of the town	20° 6'30.56"	41°27'37.63"
Al-Baha, Khairah Forest park, in the valley at the bridge	20° 3'20.56"	41°23'16.61"
Al-Baha, small peak above Prince Hussam park	20° 0'48.73"	41°26'53.95"
Al-Birk, Nahud, dry wadi E of the village	18°18'27.44"	41°31'36.12"
Al-Dahrah, small wadi SE of the village	17°55'44.00"	43°13'33.36"
Alfaijah, in a flat dry wadi NE of the town	19°28'56.95"	41°36'55.26"
Al-Farshah, small side wadi N of the town	17°51'47.12"	43° 9'11.84"
Al-Habala, wadi with water SW of the village	18° 3'38.48"	42°52'9.65"
Al-Hedilah, edge of escarpment E of the town	18° 3'3.05"	42°49'23.63"
Al-Jawwah, flat peak NE of the town and E of the pass	17°54'26.86"	43°15'30.06"
Al-Jawwah, small side wadi N the town	17°55'49.73"	43°15'13.86"
Al-Jawwah, small wadi at the SW edge of the town	17°53'1.39"	43° 9'11.84"
Al-Lith, along the road 2,5 km E of the town	20° 9'23.41"	40°18'39.55"
Al-Murjabat, side wadi at the turn for Al-Maslama village	19°19'55.58"	41°36'3.08"
Alquaba, south of the highway in the village	19°58'9.57"	40°39'33.42"
Al-Reeth, Al-Rahwa, along the track below the ridge SW of the village	17°37'44.51"	42°52'59.01"
Al-Reeth, Al-Rahwa, isolated peak on the plateau NW of the village	17°39'9.34"	42°53'12.09"
Al-Reeth, small wadi NE of the town	17°37'23.04"	42°51'57.21"
Al-Saudh, peak S of the town	18°14'59.88"	42°22'46.86"
Al-Thurayia, side wadi SW of the village	18°17'27.22"	42°12'36.44"

Al-Wadeen, middle part of small wadi SE of the town	18° 4'50.40"	42°51'22.72"
Al-Wadeen, upper part of small wadi at a park SE of the town	18° 4'13.92"	42°51'13.85"
Baljurashi, Al-Mad, along the road to Makhwah from the escarpment	19°49'3.06"	41°30'48.04"
Baljurashi, Bani Kabir, peak W of the town	19°55'38.73"	41°31'45.67"
Baljurashi, Bani Kabir, slopes and peak SW of the town	19°54'45.73"	41°32'22.02"
Baljurashi, Heznan, small peak at the edge of the escarpment SE of the village	19°49'27.97"	41°33'8.94"
Baljurashi, Heznan, small valley at the N edge of the village	19°50'35.06"	41°32'36.50"
Baljurashi, peak SW of the city, mostly ruderal	19°53'24.90"	41°32'15.17"
Dhahban, along the highway 2 km N of the town	18° 6'39.86"	41°35'58.83"
Fifa Mts., Ad-Dayer, side wadi close to the main river SW of the town	17°18'33.57"	43° 4'36.44"
Fifa Mts., Al-Dheehe, wadi SW bellow the village	17°12'27.09"	43°04'07.36"
Fifa Mts., Al-Edabi, side wadi close to the main river NE of the village	17°15'2.59"	43° 2'32.34"
Fifa Mts., Al-Khashah, at the crossroads SW of the village	17°14'04.20"	43°03'29.12"
Fifa Mts., Al-Khashah, small valley E of the village	17°14'30.37"	43° 3'41.02"
Fifa Mts., Al-Khashah, southernmost prominent peak S of the village	17°14'4.83"	43° 4'4.21"
Fifa Mts., Al-Oehsear, ridge and peak NE of the village	17°14'25.47"	43°05'06.75"
Fifa Mts., Alzaghafiue, wadi W bellow the village	17°12'39.01"	43° 5'38.96"
Fifa Mts., Ayban Belghazi, small isolated hill along the road 3,2 km SE of the town	17°16'27.69"	43° 4'50.44"
Fifa Mts., Ayban Belghazi, upper part of a gorge 3,2 km SE of the town	17°15'27.27"	43°04'20.72"
Fifa Mts., Ayban Belghazi, upper part of a wadi 3 km SE of the town	17°15'48.26"	43°04'34.13"
Fifa Mts., Ayban Belghazi, upper part of a wadi 3,5 km S of the town	17°15'44.49"	43° 4'9.05"
Fifa Mts., Ayban Belghazi, upper part of wadi Altarah SE of the town	17°15'27.27"	43°04'20.72"
Fifa Mts., Fifa village, along the road on steep slopes at S edge of the village	17°15'10.42"	43° 5'38.02"
Fifa Mts., Marwah, along abandoned road E of the village	17°16'35.15"	43° 6'1.27"
Fifa Mts., Marwah, small wadi and terraces E of the village	17°16'53.59"	43° 6'3.72"
Gabal-Al-Asoad, ridge and side peak at the end of the road from the W	17°32'49.83"	42°54'32.89"
Gabal-Al-Asoad, small side wadi N of the road and NW of the peak	17°35'0.63"	42°53'34.07"
Jizan, Al-Khoms, overgrown sandy areas at W edge of the village	16°46'20.17"	42°46'10.17"
Khamis Harb, Bilaqat, side wadi bellow and W of Quanona dam	19°15'35.88"	41°32'5.80"
Khamis Harb, Bilaqat, small wadi in the hills SW of the village	19°13'37.15"	41°32'5.80"
Khatwat Al-Ain, small side wadi SE of the village	17°34'44.40"	42°56'49.28"
Khatwat Al-Ain, small wadi just S of the village	17°34'51.42"	42°56'10.31"
Khatwat Al-Ain, Wadi Lajb gorge at the end of the road	17°36'12.82"	42°56'01.92"
Musaylim, in the village at the edge of a wadi	19°38'54.08"	40°57'16.89"
Nawan, road verge 4,5 km E of the town	19°33'3.79"	41°12'21.35"
Rijal-Almaa, Al-Batilah, upper part of a small wadi SE of the village	18°10'40.32"	42°16'44.55"
Rijal-Almaa, Habeel, upper part of the wadi NE of the village	18°07'8.47"	42°15'41.40"
Rijal-Almaa, upper part of a small wadi SE of the village	18°11'28.15"	42°17'22.33"
Sabt Al-Alayah, Al-Shaaf, along the steep road down from escarpment, SW of the village	19°30'44.69"	41°52'26.47"
Sabt Aljarah, small wadi at a quarry near bridge over Quanona SW of the town	19°15'9.10"	41°22'35.52"
Sabt Alyarah, shallow small wadis 6,5 km SW of the town	19°16'02.83"	41°21'47.23"
Sabt Alyarah, small wadi 6 km NE of the town	19°17'23.79"	41°29'05.55"
Sabt Alyarah, wadi Quanuna 7 km SW of the town	19°13'34.74"	41°23'38.12"
Sarat Abidah, small wadi downstream from a dam in SE part of the town	18° 1'54.67"	43° 9'13.57"

Tahnan Mts., Al-Jawah, narrow wadi 10 km SE of the village	16°51'36.98"	43°03'05.99"
Tahnan Mts., Al-Jawah, narrow wadi 8 km S of the village	16°52'35.33"	43°02'12.07"
Tamniah, Al-Yanfa, hilltop at the ridge S of the village	17°58'44.98"	42°46'21.32"
Thurayban, in the town	19°26'51.04"	41°49'53.92"
Thurayban, side valley of wadi Al-Nader near the dam, N of the town	19°27'48.28"	41°50'59.89"
Wadi Al-Hayat, edge of a large wadi and first part of a side wadi N of the town	17°38'43.12"	43° 4'45.77"
Wadi Amoud, small wadi 3 km NW of the village	17°34'44.69"	42°59'27.03"