

Supplementary Material S3: Details of Stopover Locations of Raptors during Migration

Sr. No.	Species with Migration Route	Country	State/Province/Region	District	Sub-district/Taluka/Tehsil	Village	Stop-over days	Month-Year	Remark
1	Greater Spotted Eagle Migration (India to Russia 2022)	India	Gujarat	Patan	Chanasma	Sunsar	0	April 2022	Migration starts
			Rajasthan	Barmer	Chohtan-Dhanaau	Beejasar-Roheera Nadi-Nawatala Jaitmalan-Mitharaoo	1	April 2022	
		Pakistan	Punjab	Rajanpur	Rajanpur		1	April 2022	
			Khyber Pakhtunkhwa	South Waziristan-Tank	Wana-Tank-Daraban		1	April 2022	
				Swabi	Razar-Abbottabad		1	April 2022	
		Afghanistan	Kabul	Jalrez			1	April 2022	
			Kunduz	Aliabad			1	April 2022	
		Tajikistan	Surxondaryo	Nosiri Khusrav			0	April 2022	
		Uzbekistan		Kumkurgan			1	April 2022	
				Sariasiya			3	April 2022	
			Uzbekistan	Qashqadaryo	Kitab			1	April 2022
		Navoiy		Nurata			2	April 2022	
				Kanimekh			1	April 2022	
				Tamdi			1	April 2022	
		Kazakhstan	South Kazakhstan Region	Chardarinskiy			1	April 2022	
			Kyzylorda Region	Shieliyskiy			22	April-May 2022	

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			Karaganda Region	Zhanaarkinskiy			2	May 2022	
				Ulytauskiy			2	May 2022	
				Zhanaarkinskiy			1	May 2022	
			Pavlodar Region	Mayskiy			1	May 2022	
		Russia	Altai Krai	Mikhaylovskiy rayon			1	May 2022	Remained in Russia till August 2022, and tag malfunctioned in August
2	Indian Spotted Eagle (India to Pakistan March 2022)	India	Gujarat	Surendarnagar	Sayla		1	March-2022	Migration Starts
				Morbi	Maliya		1	March-2022	
				Banas Kantha	Vav		1	March-2022	
			Rajasthan	Jaisalmer	Jaisalmer		1	March-2022	
		Pakistan	Punjab	Punjab	Rahim Yar Khan		1	March-2022	Migration ends
3	Indian Spotted Eagle (Pakistan to India, November to December 2022)	Pakistan	Punjab	Muzzafargarh	Muzzafargarh		1	November 2022	Migration starts
				Multan	Shujabad		1	December 2022	
				Bahawalpur	Yazman		2	December 2022	
		India	Rajasthan	Bikaner	Bajju		1	December 2022	
				Jodhpur	Balesar		1	December 2023	
			Gujarat	Banas Kantha	Dhanera		1	December 2023	

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				Morbi	Tankara		1	December 2023	Migration ends
4	Indian Spotted Eagle (India to Pakistan February 2023)	India	Gujarat	Rajkot	Rajkot		1	March 2023	Migration Starts
				Kutch	Rapar		1	March 2023	
			Jaisalmer	Fatehgarh			1	March 2023	
			Jaisalmer	Jaisalmer			1	March 2023	
		Pakistan	Punjab	Rajanpur	Rojhan		1	March 2023	Migration Ends
5	Pallid Harrier Female (India to Russia, March to April 2022)	India	Gujarat	Kutch	Abdasa	Butta (Abdwali)	0	March 2023	Migration starts
		Pakistan	Sindh	Tharparkar	Diplo		1	March 2023	
			Sindh	Khairpur	Nara		1	March 2023	
			Boluchistan	Kalat	Surab		1	March 2023	
			Boluchistan	Chagai	Dalbadin		1	March-April 2023	
		Afghanistan	Helmand	Dishu			1	April 2023	
			Nimruz	Chakhansur			1	April 2023	
			Farah	Anar dara			1	April 2023	
		Iran	Razavi Khorasan	Sarakhs			1	April 2023	
		Turkmenistan	Mary	Murgap			1	April 2023	
			Mary	Bayramaly			1	April 2023	
		Uzbekistan	Bukhara region	Alat			1	April 2023	
			Bukhara region	Jondor			1	April 2023	
			Navoiy Region	Tamdi			1	April 2023	
		Kazakhstan	Kyzylorda Region	Shieliyskiy			3	April 2023	
			Karaganda Region	Ulytauskiy			2	April 2023	

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			North Kazakhstan Region/Akmola	Ualikhanovsky			1	April 2023	
		Russia	Novosibirsk Oblast				1	April 2023	Migration ends
		Russia	Omsk Oblast				1	September 2022	Migration Starts
6	Pallid Harrier Female (Russia to India, September 2022)	Kazakhstan	Pavlodar Region	Aktogayskiy			1	September 2022	
			Akmola Region	Ereymengauskiy			1	September 2022	
			Karaganda Region	Osakarovskiy			1	September 2022	
			Karaganda Region	Aktogayskiy			1	September 2022	
			Jambyl Region	Moyynkumsky			1	September 2022	
			Jambyl Region	Zhanaarkinskiy			4	September 2022	
		Uzbekistan	Tashkent Region	Chinaz			1	September 2022	
			Qashqadaryo Region	Yakkabag			1	September 2022	
		Afghanistan	Jowzjan	Shabirghan			1	September 2022	
			Helmand	Garamsar, Maywand, Lashkar Gah, Nawa-I-Barak Zayi			11	September 2022	

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		Pakistan	Boluchistan	Nushki			1	September 2022	
				Awaran			1	September 2022	
				Lasbela			1	September 2022	
		India	Gujarat	Kutch	Abdasa	Kuvapaddhar	0	September 2022	Migration ends
7	Pallid Harrier Female (India to Kazakhstan, March 2023)	India	Gujarat	Kutch	Abdasa	Sudharo Nani	0	March 2023	Migration Starts
		Pakistan	Sindh	Matiori			1	March 2023	
			Balochistan	Chagai			1	March 2023	
		Afghanistan	Helmand	Panjwayi			1	March 2023	
			Helmand	Washer			1	March 2023	
			Herat	Pashtun Zarghun			1	March 2023	
		Turkmenistan	Mary	Bayramaly			1	March 2023	
		Uzbekistan	Navoiy Region	Uchkudduk			1	March 2023	
		Kazakhstan	Kyzylorda Region	Kazalinsky, Zhalagashskiy			2	March 2023	
			Aktobe Region	Irgizskiy			1	March 2023	
			Aktobe Region	Aytekebiyskiy			0	March 2023	Migration ends
8	Western Marsh Harrier Male (India to Kazakhstan)	India	Gujarat	Kutch	Abdasa	Dadamapar	0	April 2022	Migration starts
		Pakistan	Sindh	Umerkot	Samaro		1	April 2022	
			Sindh	Qambhar Shahadatqot	Nasirabad		1	April 2022	
			Balochistan	Nuskhi	Kirdgap		1	April 2022	

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	n, April 2022)	Afghanistan	Kandahar	Kandahar			1	April 2022	
			Ghor	Saghar			1	April 2022	
		Turkmenistan	Mary	Serhetebat			1	April 2022	
			Mary	Turkmengala			1	April 2022	
			Lebap	Hojambaz			1	April 2022	
		Uzbekistan	Bukhara Region	Peshku			1	April 2022	
		Kazakhstan	Kyzylorda Region	Kazalinsky			1	April 2022	
			Kyzylorda Region	Aralskiy			1	April 2022	Migration ends
9	Western Marsh Harrier Male (Kazakhstan to India, April 2022)	Kazakhstan	Kostanany Region	Dzhangli dinskiy			0	September 2022	Migration starts
			Kyzylorda Region	Kazalinsky			3	September 2022	
		Turkmenistan	Mary	Oguzhan			1	September 2022	
		Iran	Razavi Khorasan	Torbat-e-Jam			1	September 2022	
		Afghanistan	Nimroz	Kash Rod			1	September 2022	
			Kandahar	Panjwayi			1	September 2022	
		Pakistan	Balochistan	Kachhi	Mach Sub		1	September 2022	
			Balochistan	Jhal Masgi	Mirpur Sub		1	September 2022	
			Sindh	Qambhar Shahadatqot	Warah		1	September 2022	
				Jamshoro	Sehwan		1	September 2022	

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				Hyderabad	Hala, Matiari		14	September 2022	
				Tando Allahyar	Chamber		1	October 2022	
				MirpurKhas	Jhudo		1	October 2022	
				Badin	Badin		1	October 2022	
		India	Gujarat	Kutch	Abdasa	Jakhau	0	October 2022	Migration ends
10	Western Marsh Harrier Male (India to Kazakhstan, April 2023)	India	Gujarat	Kutch	Abdasa	Ranpur	0	April 2023	Migration starts
			Gujarat	Kutch	Bhachau	Luna	1	April 2023	
		Pakistan	Sindh	Sukkur	Salehpat		1	April 2023	
			Balochistan	Mastung	Mach Sub		1	April 2023	
		Afghanistan	Kandahar	Kandahar			1	April 2023	
			Ghor	Pasaband			1	April 2023	
		Turkmenistan	Lebap	Halac			1	April 2023	
			Lebap	Ferap			1	April 2023	
		Uzbekistan	Bukhara Region	Peshku			1	April 2023	
			Navoiy Region	Uchkudduk			2	April 2023	
		Kazakhstan	Kyzylorda Region	Karmakchinskiy			1	April 2023	Migration ends

yellow highlighted cells indicate the unavailability of data