

SUPPLEMENTARY MATERIAL

Keeping Track of Prespa's Bats, Albania

Melitjan Nezaj^{1,*}, Adnand Bego¹

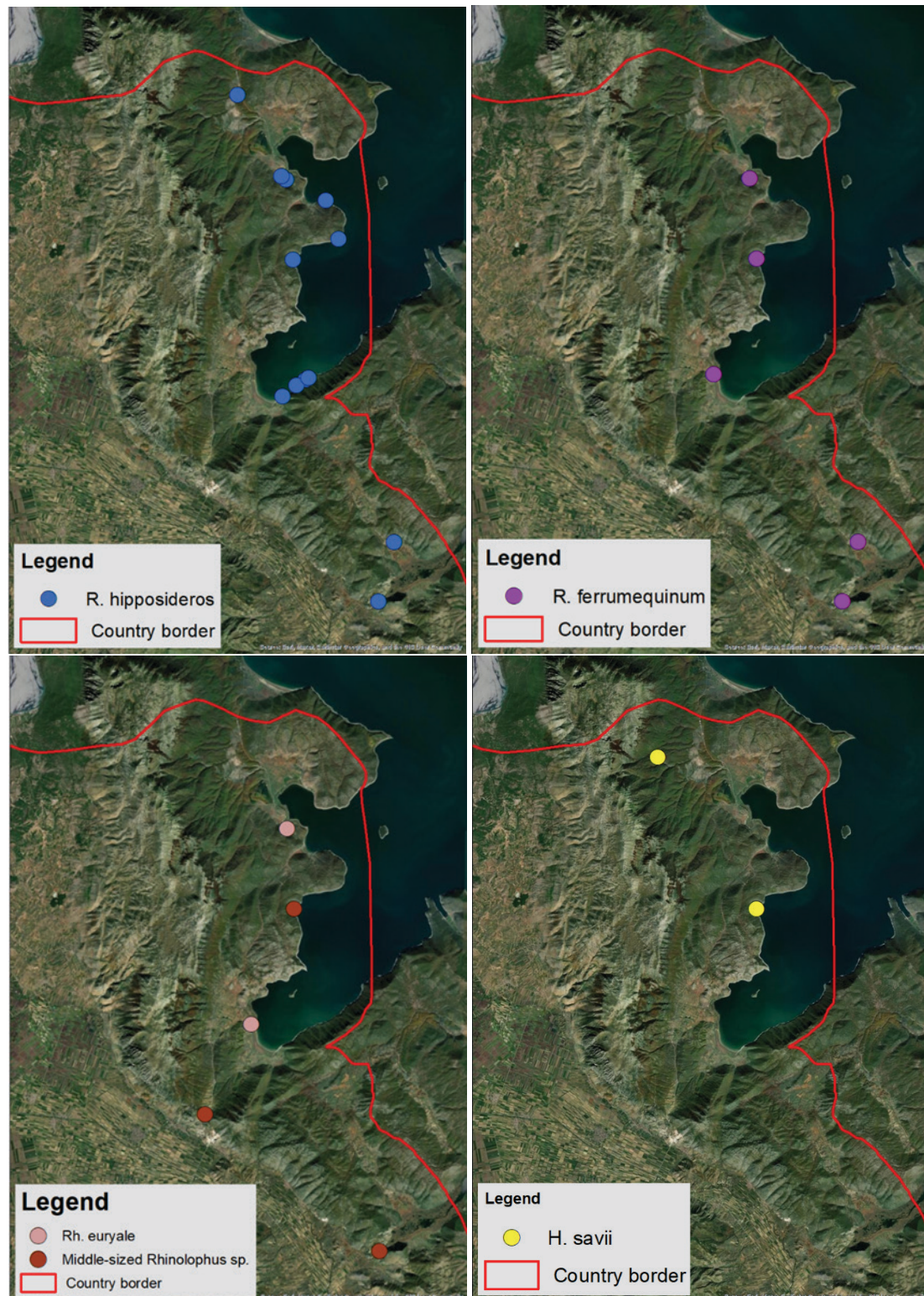


Fig. 1 - Most widespread bat species recorded in the Albanian part of Prespa Lakes (2023-2024)

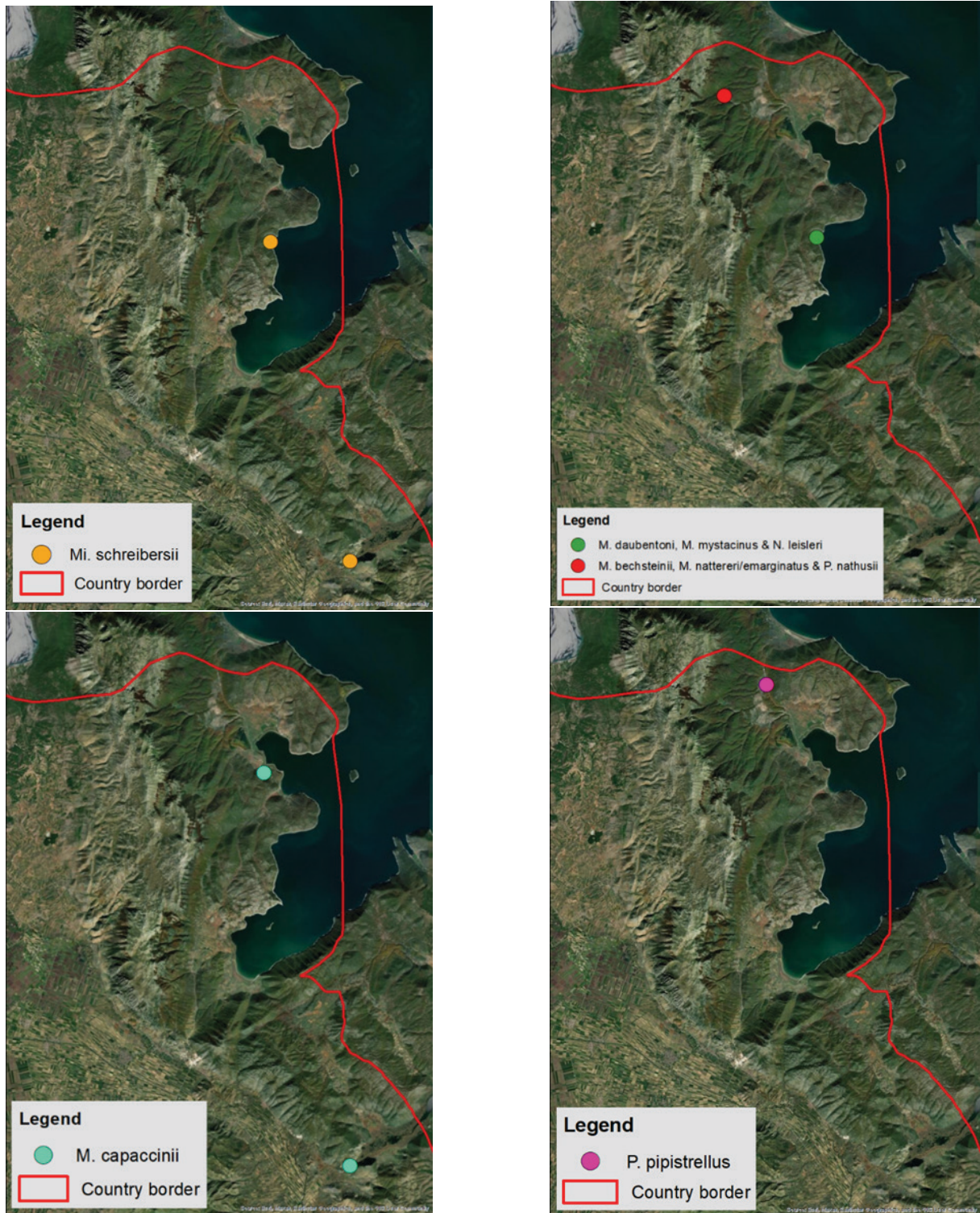


Fig. 1 - Continuation: Most widespread bat species recorded in the Albanian part of Prespa Lakes (2023-2024)

Table 1- Four seasons detailed data

SPRING MONITORING 2023												
Country	ID	Species	Time of observation	ID_Site	Site name	LAT	LONG	No. of individuals	Type of site	Method of observation	Notes	Authors
ALBANIA	1	<i>Rhinolophus hipposideros</i>	22/05/23	AL0001	-	40.77647	20.9419	1	Cave	Visual	Guano, rubbish	M. Nezaj & A. Bego
ALBANIA	2		23/05/23	AL0002	Mali Grad - Dove cave	40.79183	20.93284		Cave	Visual	Pigeon using the cave, bat droppings,	M. Nezaj & A. Bego
ALBANIA	3	<i>Miniopterus schreibersii</i>	22/05/23	AL0003	-	40.83244	20.93414	769	Cave	Visual	Lot of guano, feeding activity, dead otter,	M. Nezaj & A. Bego
		<i>Rhinolophus sp.</i>						6		Visual		M. Nezaj & A. Bego
ALBANIA	4			AL0004	-	40.903542	20.873125		Open space			M. Nezaj & A. Bego
ALBANIA	5		23/05/23	AL0005	-	40.912547	20.900803		Building	Visual	Bat droppings, feeding activity, livestock presence, rubbish, bird presence	M. Nezaj & A. Bego
ALBANIA	6			AL0006	-	40.90957	20.89976		Bunker		Cutted trees blocking one of the entrances	M. Nezaj & A. Bego
ALBANIA	7	<i>Rhinolophus sp.</i>	23/05/23	AL0007	Zaveri Cave	40.87006	20.9297	44	Cave	Visual	Rock falls, Huge amount of guano, rubbish	M. Nezaj & A. Bego
ALBANIA	8	<i>Rhinolophus ferrumequinum</i>	24/05/23	AL0008	Shuec Tunnels	40.70025	20.99648	8	Tunnel	Visual	Rubbish, fire place, rodents and Dice snake presence	M. Nezaj & A. Bego
ALBANIA	9	<i>Myotis capaccinii</i>	24/05/23	AL0009	Treni Cave	40.67228	20.98687	3	Cave	Visual	Rubbish, fire place, human presence, huge amount of guano	M. Nezaj & A. Bego
ALBANIA	10		24/05/23	AL0010	-	40.67282426	20.98623166		Tunnel	Visual	Bat droppings	M. Nezaj & A. Bego
ALBANIA	11		23/05/23	AL0011	-	40.73627509	20.87925118		Bunker		Bat droppings, bird presence, livestock	M. Nezaj & A. Bego
ALBANIA	12	<i>Rhinolophus euryale</i>	22/05/23	AL0012	-	40.77853656	20.90784304	1	Building	Visual	Bat presence, rubbish	M. Nezaj & A. Bego
ALBANIA	13	<i>Rhinolophus hipposideros</i>	22/05/23	AL0013	-	40.76849613	20.92763139	1	Cave	Visual	Bat presence	M. Nezaj & A. Bego
ALBANIA	14		22/05/23	AL0014	-	40.77352196	20.93634143		Cave	Visual	Bat droppings	M. Nezaj & A. Bego
ALBANIA	15		22/05/23	AL0015	-	40.77687267	20.94280669		Cave	Visual	Bat droppings, feeding activity	M. Nezaj & A. Bego
ALBANIA	16		22/05/23	AL0016	-	40.77697805	20.94319829		Cave	Visual	Bat droppings	M. Nezaj & A. Bego
ALBANIA	17		23/05/23	AL0017	-	40.79201214	20.93394013		Cave	Visual	Bat droppings, bird presence	M. Nezaj & A. Bego
ALBANIA	18		23/05/23	AL0018	-	40.87172529	20.92689166		Cave	Visual	Bat droppings, feeding activity, livestock presence, rubbish	M. Nezaj & A. Bego
ALBANIA	19		24/05/23	AL0019	-	40.89738284	20.91712274		Building	Visual	Bat droppings, feeding activity, livestock droppings, bird presence	M. Nezaj & A. Bego
ALBANIA	20			AL0020	-	40.909933	20.899102		Open space			M. Nezaj & A. Bego
ALBANIA	21			AL0021	-	40.86018741	20.9544811		Cave		Bat droppings, bat presence confirmed during previous otter monitoring, rubbish	M. Nezaj & A. Bego
ALBANIA	22		22/05/23	AL0022	-	40.74032317	20.87758899		Bunker	Visual		M. Nezaj & A. Bego
ALBANIA	23		22/05/23	AL0023	-	40.77058421	20.8816786		Bunker	Visual		M. Nezaj & A. Bego
ALBANIA	24		22/05/23	AL0024	-	40.77303269	20.88275522		Bunker	Visual		M. Nezaj & A. Bego
ALBANIA	25		22/05/23	AL0025	-	40.76994317	20.93150391		Cave	Visual		M. Nezaj & A. Bego
ALBANIA	26		22/05/23	AL0026	-	40.7749369	20.93915872		Cave	Visual		M. Nezaj & A. Bego
ALBANIA	27			AL0027	-	40.791874	20.931961		Cave			M. Nezaj & A. Bego
ALBANIA	28		24/05/23	AL0028	-	40.85549922	20.93010672		Bunker	Visual	Closed entrances, bird presence, fire ignition, rubbish	M. Nezaj & A. Bego
ALBANIA	29			AL0029	-	40.67216399	20.98951972		Tunnel		Bat droppings, feeding activity, livestock droppings, rubbish	M. Nezaj & A. Bego
ALBANIA	30			AL0030	-	40.77709759	20.94380395		Cave		Bat presence	M. Nezaj & A. Bego
ALBANIA	31			AL0031	Eremita Church	40.8423224	20.96144996		Building			M. Nezaj & A. Bego
ALBANIA	32			AL0032	-	40.84220087	20.96206914		Cave		Bat presence, bird droppings, otter feeding activity, scats and footprints, mammal	M. Nezaj & A. Bego
ALBANIA	33		24/05/23	AL0033	-	40.67236697	20.98640056		Bridge	Visual	Rubbish	M. Nezaj & A. Bego

Table 1- Continuation: Four seasons detailed data

SUMMER MONITORING 2023											
Country	ID	Species	Time of observation	ID_Site	Site name	LAT	LONG	No. of individuals	Type of site	Method of observation	Authors
ALBANIA	1	<i>Rhinolophus hipposideros</i>	8/3/2023	AL0001	-	40.77647	20.9419	5	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	2		8/2/2023	AL0002	Mali Grad - Dove cave	40.79183	20.93284		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	3	<i>Rhinolophus hipposideros</i>	8/2/2023	AL0003	-	40.83244	20.93414	20 + 1 captured	Cave	Visual/Capture	M. Nezaj & A. Bego
		<i>Nyctalus leisleri</i>						1		Capture	M. Nezaj & A. Bego
		<i>Myotis daubentonii</i>						1		Capture	M. Nezaj & A. Bego
		<i>Hypsugo savii</i>						1		Capture	M. Nezaj & A. Bego
		<i>Myotis mystacinus</i>						1		Capture	M. Nezaj & A. Bego
ALBANIA	4	<i>Pipistrellus nathusii</i>	8/4/2023	AL0004	-	40.903542	20.873125	1	Open space	Capture	M. Nezaj & A. Bego
		<i>Hypsugo savi</i>						1		Capture	M. Nezaj & A. Bego
		<i>Myotis nattereri/emarginatus</i>						1		Capture	M. Nezaj & A. Bego
		<i>Myotis bechsteini</i>						1		Capture	M. Nezaj & A. Bego
ALBANIA	5		8/1/2023	AL0005	-	40.912547	20.900803		Building	Visual	M. Nezaj & A. Bego
ALBANIA	6	<i>Rhinolophus hipposideros</i>	8/4/2023	AL0006	-	40.90957	20.89976	9	Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	7	<i>Myotis capaccinii</i>	8/1/2023	AL0007	Zaveri Cave	40.87006	20.9297	550+8 captures	Cave	Visual/Capture	M. Nezaj & A. Bego
ALBANIA	8	<i>Rhinolophus ferrumequinum</i>	8/4/2023	AL0008	Shuec Tunnels	40.70025	20.99648	1	Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	9	<i>Miniopterus schreibersii</i>	8/4/2023	AL0009	Treni Cave	40.67228	20.98687	2500+11 captures	Cave	Visual/Capture	M. Nezaj & A. Bego
		<i>Myotis capaccinii</i>						20		Visual	M. Nezaj & A. Bego
ALBANIA	10		8/4/2023	AL0010	-	40.67282426	20.98623166		Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	11	<i>Rhinolophus sp.</i>	8/2/2023	AL0011	-	40.73627509	20.87925118	1	Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	12	<i>Rhinolophus ferrumequinum</i>	8/2/2023	AL0012	-	40.77853656	20.90784304	2	Building	Visual	M. Nezaj & A. Bego
ALBANIA	13		8/3/2023	AL0013	-	40.76849613	20.92763139		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	14	<i>Rhinolophus hipposideros</i>	8/3/2023	AL0014	-	40.77352196	20.93634143	4	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	15		8/3/2023	AL0015	-	40.77687267	20.9428069		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	16			AL0016	-	40.77697805	20.94319829		Cave		M. Nezaj & A. Bego
ALBANIA	17		8/2/2023	AL0017	-	40.79201214	20.93394013		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	18		8/1/2023	AL0018	-	40.87172529	20.92689166		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	19		8/1/2023	AL0019	-	40.89738284	20.91712274		Building	Visual	M. Nezaj & A. Bego
ALBANIA	20		8/3/2023	AL0020	-	40.909933	20.899102		Open space	Capture	M. Nezaj & A. Bego
ALBANIA	21			AL0021	-	40.86018741	20.9544811		Cave		M. Nezaj & A. Bego
ALBANIA	22			AL0022	-	40.74032317	20.87758899		Bunker		M. Nezaj & A. Bego
ALBANIA	23			AL0023	-	40.77058421	20.8816786		Bunker		M. Nezaj & A. Bego
ALBANIA	24			AL0024	-	40.77303269	20.88275522		Bunker		M. Nezaj & A. Bego
ALBANIA	25			AL0025	-	40.76994317	20.93150391		Cave		M. Nezaj & A. Bego
ALBANIA	26			AL0026	-	40.7749369	20.93915872		Cave		M. Nezaj & A. Bego
ALBANIA	27			AL0027	-	40.791874	20.931961		Cave		M. Nezaj & A. Bego
ALBANIA	28			AL0028	-	40.85549922	20.93010672		Bunker		M. Nezaj & A. Bego
ALBANIA	29			AL0029	-	40.67216399	20.98951972		Tunnel		M. Nezaj & A. Bego
ALBANIA	30			AL0030	-	40.77709759	20.94380395		Cave		M. Nezaj & A. Bego
ALBANIA	31			AL0031	Eremita Church	40.8423224	20.96144996		Building		M. Nezaj & A. Bego
ALBANIA	32			AL0032	-	40.84220087	20.96206914		Cave		M. Nezaj & A. Bego
ALBANIA	33			AL0033	-	40.67236697	20.98640056		Bridge		M. Nezaj & A. Bego

Table 1- Continuation: Four seasons detailed data

AUTUMN MONITORING 2023											
Country	ID	Species	Time of observation	ID_Site	Site name	LAT	LONG	No. of individuals	Type of site	Method of observation	Authors
ALBANIA	1	<i>Rhinolophus hipposideros</i>	10/30/2023	AL0001	-	40.77647	20.9419	1	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	2			AL0002	Mali Grad - Dove cave	40.79183	20.93284		Cave		M. Nezaj & A. Bego
ALBANIA	3		11/2/2023	AL0003	-	40.83244	20.93414		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	4		11/2/2023	AL0004	-	40.903542	20.873125		Open space	Capture	M. Nezaj & A. Bego
ALBANIA	5	<i>Pipistrellus pipistrellus</i>	11/2/2023	AL0005	-	40.912547	20.900803	1	Building	Visual	M. Nezaj & A. Bego
ALBANIA	6		11/2/2023	AL0006	-	40.90957	20.89976		Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	7	<i>Rhinolophus ferrumequinum</i>	10/30/2023	AL0007	Zaveri Cave	40.87006	20.9297	108	Cave	Visual	M. Nezaj & A. Bego
		<i>Rhinolophus hipposideros</i>						14+1 captured	Visual/Capture		M. Nezaj & A. Bego
ALBANIA	8	<i>Rhinolophus ferrumequinum</i>	10/31/2023	AL0008	Shuac Tunnels	40.70025	20.99648	1	Tunnel	Visual	M. Nezaj & A. Bego
		<i>Rhinolophus hipposideros</i>						1			M. Nezaj & A. Bego
ALBANIA	9	<i>Rhinolophus ferrumequinum</i>	10/31/2023	AL0009	Treni Cave	40.67228	20.98687	18+1 captured	Cave	Visual/Capture	M. Nezaj & A. Bego
		<i>Myotis capaccinii</i>						1		Visual	M. Nezaj & A. Bego
		<i>Miniopterus schreibersii</i>						5+1 captured		Visual/Capture	M. Nezaj & A. Bego
		<i>Rhinolophus sp.</i>						2		Visual	M. Nezaj & A. Bego
ALBANIA	10		10/31/2023	AL0010	-	40.67282426	20.98623166		Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	11		10/31/2023	AL0011	-	40.73627509	20.87925118		Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	12		10/30/2023	AL0012	-	40.77853656	20.90784304		Building	Visual	M. Nezaj & A. Bego
ALBANIA	13		10/30/2023	AL0013	-	40.76849613	20.92763139		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	14	<i>Rhinolophus hipposideros</i>	10/30/2023	AL0014	-	40.77352196	20.93634143	1	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	15		10/30/2023	AL0015	-	40.77687267	20.9428069		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	16		10/30/2023	AL0016	-	40.77697805	20.94319829		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	17			AL0017	-	40.79201214	20.93394013		Cave		M. Nezaj & A. Bego
ALBANIA	18		11/2/2023	AL0018	-	40.87172529	20.92689166		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	19		11/2/2023	AL0019	-	40.89738284	20.91712274		Building	Visual	M. Nezaj & A. Bego
ALBANIA	20			AL0020	-	40.909933	20.899102		Open space		M. Nezaj & A. Bego
ALBANIA	21		11/2/2023	AL0021	-	40.86018741	20.9544811		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	22			AL0022	-	40.74032317	20.87758899		Bunker		M. Nezaj & A. Bego
ALBANIA	23			AL0023	-	40.77058421	20.8816786		Bunker		M. Nezaj & A. Bego
ALBANIA	24			AL0024	-	40.77303269	20.88275522		Bunker		M. Nezaj & A. Bego
ALBANIA	25		10/30/2023	AL0025	-	40.76994317	20.93150391		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	26		10/30/2023	AL0026	-	40.7749369	20.93915872		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	27			AL0027	-	40.791874	20.931961		Cave		M. Nezaj & A. Bego
ALBANIA	28			AL0028	-	40.85549922	20.93010672		Bunker		M. Nezaj & A. Bego
ALBANIA	29			AL0029	-	40.67216399	20.98951972		Tunnel		M. Nezaj & A. Bego
ALBANIA	30			AL0030	-	40.77709759	20.94380395		Cave		M. Nezaj & A. Bego
ALBANIA	31			AL0031	Eremita Church	40.8423224	20.96144996		Building		M. Nezaj & A. Bego
ALBANIA	32			AL0032	-	40.84220087	20.96206914		Cave		M. Nezaj & A. Bego
ALBANIA	33			AL0033	-	40.67236697	20.98640056		Bridge		M. Nezaj & A. Bego

Table 1- Continuation: Four seasons detailed data

WINTER MONITORING 2024											
Country	ID	Species	Time of observation	ID_Site	Site name	LAT	LONG	No. of individuals	Type of site	Method of observation	Authors
ALBANIA	1		1/11/2024	AL0001	-	40.77647	20.9419		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	2		1/10/2024	AL0002	Mali Grad - Dove cave	40.79183	20.93284		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	3	<i>Rhinolophus ferrumequinum</i>	1/10/2024	AL0003	-	40.83244	20.93414	84	Cave	Visual	M. Nezaj & A. Bego
		<i>Rhinolophus sp.</i>						4		Visual	M. Nezaj & A. Bego
		<i>Rhinolophus hipposideros</i>						1		Visual	M. Nezaj & A. Bego
ALBANIA	4			AL0004	-	40.903542	20.873125		Open space		M. Nezaj & A. Bego
ALBANIA	5		1/10/2024	AL0005	-	40.912547	20.900803		Building	Visual	M. Nezaj & A. Bego
ALBANIA	6		1/10/2024	AL0006	-	40.90957	20.89976		Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	7	<i>Rhinolophus ferrumequinum</i>	1/10/2024	AL0007	Zaveri Cave	40.87006	20.9297	126	Cave	Visual	M. Nezaj & A. Bego
		<i>Rhinolophus hipposideros</i>						6			M. Nezaj & A. Bego
		<i>Rhinolophus euryale</i>						31			M. Nezaj & A. Bego
ALBANIA	8		1/9/2024	AL0008	Shuec Tunnels	40.70025	20.99648		Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	9	<i>Rhinolophus ferrumequinum</i>	1/9/2024	AL0009	Treni Cave	40.67228	20.98687	42	Cave	Visual	M. Nezaj & A. Bego
		<i>Rhinolophus sp.</i>						1			M. Nezaj & A. Bego
		<i>Rhinolophus hipposideros</i>						18			M. Nezaj & A. Bego
		<i>Myotis capaccinii</i>						19			M. Nezaj & A. Bego
ALBANIA	10		1/9/2024	AL0010	-	40.67282426	20.98623166		Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	11		1/11/2024	AL0011	-	40.73627509	20.87925118		Bunker	Visual	M. Nezaj & A. Bego
ALBANIA	12		1/11/2024	AL0012	-	40.77853656	20.90784304		Building	Visual	M. Nezaj & A. Bego
ALBANIA	13		1/11/2024	AL0013	-	40.76849613	20.92763139		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	14		1/11/2024	AL0014	-	40.77352196	20.93634143		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	15		1/11/2024	AL0015	-	40.77687267	20.9428069		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	16		1/11/2024	AL0016	-	40.77697805	20.94319829		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	17		1/10/2024	AL0017	-	40.79201214	20.93394013		Cave	Visual	M. Nezaj & A. Bego
ALBANIA	18	<i>Rhinolophus hipposideros</i>	1/10/2024	AL0018	-	40.87172529	20.92689166	1	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	19		1/10/2024	AL0019	-	40.89738284	20.91712274		Building	Visual	M. Nezaj & A. Bego
ALBANIA	20			AL0020	-	40.9099933	20.899102		Open space		M. Nezaj & A. Bego
ALBANIA	21	<i>Rhinolophus hipposideros</i>	1/10/2024	AL0021	-	40.86018741	20.9544811	2	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	22			AL0022	-	40.74032317	20.87758899		Bunker		M. Nezaj & A. Bego
ALBANIA	23			AL0023	-	40.77058421	20.8816786		Bunker		M. Nezaj & A. Bego
ALBANIA	24			AL0024	-	40.77303269	20.88275522		Bunker		M. Nezaj & A. Bego
ALBANIA	25			AL0025	-	40.76994317	20.93150391		Cave		M. Nezaj & A. Bego
ALBANIA	26			AL0026	-	40.7749369	20.93915872		Cave		M. Nezaj & A. Bego
ALBANIA	27			AL0027	-	40.791874	20.931961		Cave		M. Nezaj & A. Bego
ALBANIA	28			AL0028	-	40.85549922	20.93010672		Bunker		M. Nezaj & A. Bego
ALBANIA	29		1/9/2024	AL0029	-	40.67216399	20.98951972		Tunnel	Visual	M. Nezaj & A. Bego
ALBANIA	30	<i>Rhinolophus hipposideros</i>	1/11/2024	AL0030	-	40.77709759	20.94380395	1	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	31		1/10/2024	AL0031	Eremita Church	40.8423224	20.96144996		Building	Visual	M. Nezaj & A. Bego
ALBANIA	32	<i>Rhinolophus hipposideros</i>	1/10/2024	AL0032	-	40.84220087	20.96206914	5	Cave	Visual	M. Nezaj & A. Bego
ALBANIA	33			AL0033	-	40.67236697	20.98640056		Bridge		M. Nezaj & A. Bego