		VEGETA	TION DEC	GRADA	TION S	URVE	Y FO	RM		Reco	order		Location			D	ate (c	ld/mr	nm/y	y)	
											ayri Dumaı		ar/Bandırı			7	h - 4	4	<u> </u>)21
GOLDER	!	18:3	Time/End	a rime	(24-nr.) 19:00					size ha.		Yes	sentative o	f vegetation 1		870 - 8	hotos				D)
UTM E		10.0		M N	19.00					. (m)			one - Datu			070 - 0		ypoin		-4 (11)) י
592775			4459						8	32			35T					T-1			
Ecoregion			EUNIS Ha	bitat ty	/pe	_		_					Habitat De	scription			_				
PA 1202 Anatolian co Deciduous Fore			G1	1.7								Thermop	hilous dec	iduous wood	land						
Degradation level					n Factor	's				M	lain degrac	lation factor	So	il erosion leve) I		Soil	erosi	on si	gnes	
, ,		-	vood harve		invasiv		Othe Agri	ers: cultur	re		overg	razing	very high		/ledium	bare		wee		-	_
Low None Slope (deg.)	r	nunting Aspect	off-road d	drive	wildfi		lone l	Positio	on.				Soil type	None		rill		gulli nic m		lands r (cm)	slides
					crest		per		id	lov	wer										
5° - 10°		Eas	st		toe	dep	oress	lev	vel				Clay					15 - 2	20 cm		
										tion c	over										
Tree (T) - Cover Class 0 + 1 2 3		Shrub > 1m (S) - Cover (Class	Low Shru	ıb < 1m	າ (S) - (Cover C	Class 4	0	Forb (F) - C	over Class	0 +	s (G) - Cover Cla	3 4	To	tal Veg	etatio 1	on - Co	ver Cla	ass 4
5 6 7 8	5	6 7	8	7	5 6	7	8	3	1 7	5	6 7	-	5 6	7 8	— ⁺	5	6	7	8	J	- ∓
		Tree Layer (derstorey Spe	cies (<						
LN	Species			Laye		Co	ver C			LN			ecies		La	ayer		Cov	ver Cl		
Quercus petraea				Т	5	1	2 7	3 8	4	6	Pyrus elae	eagnifolia				S	+ 5	1 6	2	8	4
_					+	1	2	3	4		Asphodel	us aestivus					+	1	2	3	4
2				Т	5	6	7	8		7						F	5	6	7	8	
3				Т	+	1	2	3	4	8	Asparagu	s acutifolius				F	+	1	2	3	4
					5	6	7	8			Corlina						5	6	7	8	
4				Т	5	6	2 7	3 8	4	9	Carlina co	rymbosa				F	+ 5	6	7	3 8	4
_					+	1	2	3	4	4.0	Dactylis g	lomerata				_	+	1	2	3	4
5				S	5	6	7	8		10						G	5	6	7	8	
		Note	es							11	Stipa bron	noides				G	+	1	2	3	4
																	5 +	6	7	3	4
										12					1	G	5	6	7	8	4
										13						G	+	1	2	3	4
										13						G	5	6	7	8	
										14						G	+	1	2 7	3	4
																	5 +	1	2	3	4
The area is under over	rgrazing pre	ssure. E1.C	habitat w	vas als	o obser	ved in	oak	openii	ngs	15						G	5	6	7	8	
		due to ove	rgrazing.								e plants /						+	1	2	3	4
											weeds						5 +	6	7 2	3	4
											e plants / weeds					Visioning	5	6	7	8	7
											e plants /						+	1	2	3	4
											weeds						5	6	7	8	
											e plants / weeds						+ 5	1 6	2 7	3 8	4
																	J	J	,	J	
Ecoregions											tural Habit										
PA0422 Euxine-Colchic B PA1202 Anatolian Conifer			orests						C1.6	Temp	oorary lakes	otrophic lakes, p s, ponds and pod	ols								
											nanent non- porary runni	idal, slow, smooning waters	oth-flowing	watercourses							
											ianent meso domaquis	otrophic pastures	s and afterr	math-grazed m	eadows	3					
Soil Type	100 0											ane mediterrane woodland soutl			ding bla	ick pine	e [Pinu	s nigr	a])		
	90	° \									,			•							
/	80	20																			
	70 clay	30																			
→ ³ / ₂ 50 Å	$\langle \rangle \langle \rangle \langle \rangle$	50	and																		
sandy clay	X	silty clay silty	60																		
sandy clay loam	clay	clay loam	70																		
sandy lo	loam	silt loam	90	•						Cove	er classes:										
sand sand	0 60 50	40 30 2	silt 10 0	00						+ (<1		1 (1-2%),	2 (>2-5%)			4 (>10	0-25%)			
100 70	percent sand	1 - 30 2								5 (>2	25-50%)	6 (>50-75%)	7 (>75-95	%) 8 (>95- ⁻	100%)						

		9											Rec	order		Location				Date	(dd/n	nmm/y	y)	
				VEGET	ATION DI	EGRAL	OATIO	ON SU	RVE	Y FO	RM	Prof.	Dr. F	layri Duma	ı Danişme	ent/Karacab	ey/Bursa	1	7	$oxed{oxed}$	4		2	021
G	OLDE	- D	Ī		rt Time/E	nd Tim	•						size		Is plot repres	sentative of		on?		Photo				
0	UTM			17	':45 U'	 TM N	18:	:15				Elev	na. . (m)		Yes UTM Z	one - Datur	No n (NAD)		851	- 869 (<i>A</i>		72-1-T2 int ID	!-4 (H	ID)
	59690					52009							0			35T	(,				T-2			
	Ecoregi	on			EUNIS F	labitat	type								Н	labitat Desc	ription							
	2 Anatoliaı eciduous l	n conifer ai	nd			31. 7									Thermoph	nilous decid	luous wo	odland						
	gradation l					gradati	on Fa	ctors					ľ	/lain degra	dation factor	Soi	l erosion	level		Soi	l ero	sion s	gnes	3
very high	high	Medium			wood har			asive	э р.	Oth Agri	ers: icultu	re		overg	Jrazing	very high	high	Medi	ium b	are soil		eeds		_
Low	None Slope (deg)	h	unting	off-road	drive	W	/ildfire		lone	Posit	ion				Soil type	None			rills		ullies matte i		dslides
		-,					cre	est		per		nid	lo	wer						Olg				· /
	1° - 5°			NC	orth		to	е	dep	ress		evel				Clay					15 -	20 cm		
Troo	(T) - Cover (Class	High	Shrub > 1m	(S) Covo	r Class	Low	Shrub	< 1m	(8)		getati	on c		Cover Class	Grass	s (G) - Cove	or Class		Total Ve	antat	ion Co	wor C	lace
0 +	1 2	3 4	0	+ 1	2 3	4	0	+	1	2	3	4	0	+ 1	2 3 4	0 +	1 2	3	4	0 +	1	2	3	4
5 6	7 8		5	6 7	8		5	6	7	8			5	6 7	8	5 6	7 8		;	5 6	7	8		
LA				Tree Laye	r (≥3 m ta				_		No.					inant Unde	erstorey S	pecies						
LN Que	rcus petrae		cies			La	yer	+	Co	ver C 2	Slass 3	4	LN	Rubus sa		ecies			Laye	r +	C	over C	lass 3	4
1		,u				-	Τ	5	6	7	8	4	6	างนมนจ รัส	notus				S	5	6		8	4
2						-	Τ	+ 5	1	2	3	4	7	Bellis per	rennis				F	+ 5	1	7	3	4
3						-	Τ	+	1	2	3	4	8	Picnamo	n acarna				F	+	1	2	3	4
			***************************************					5	6	7	8			Deat East						5	6	7	8	
4						-	Т	5	1 6	2 7	3 8	4	9	Dactylis	glomerata				G	5	1 6	7	8	4
5							S	+	1	2	3	4	10	Stipa bro	moides				G	+	1	2	3	4
5						`	5	5	6	7	8		10							5	6	7	8	
				No	otes								11						F	5	1 6	2 7	3 8	4
													40						F	+	1	2	3	4
													12						Г	5	6	7	8	
													13						G	5	1 6	2	3 8	4
													4.4							+	1	2	3	4
													14						G	5	6	7	8	
													15						G	+	1	2	3	4
The area	is under	overgrazin		ssure. E1. due to ov			iso ok	oservo	ed in	oak	open	ıngs	Ra	re plants /						5 +	6 1	7	3	4
														weeds						5	6	7	8	
														re plants /						+	1	2	3	4
														weeds						5 +	1	7	3	4
														re plants / weeds						5	6		8	7
														re plants /						+	1	2	3	4
														weeds						5	6	7	8	
Ecoregior	16											Ellhi	IS NI	atural Habi	tate									
PA0422 Et	uxine-Colch	nic Broadlea nifer And D			Foresto							C1.2	Perr	nanent mes	sotrophic lakes, p s, ponds and poo		ools							
1 A 1202 A	natolian Co	Tillel Alla D	Colduc	Jus Mixeu	i Oresis							C2.3	Perr	nanent non	-tidal, slow, smoo		watercour	ses						
												E2.1	Perr	nanent mes	ning waters otrophic pasture	s and aftern	nath-graze	ed mead	dows					
Soil Type												G1.7	Low		ntane mediterrane	-	-	xcluding	j black i	p ine [P i	nus r	igra])		
		10	00 0	0 .								G3.7	[Pin	us sylvestris	s] woodland sout	h of the taig	a							
	40 30 S	sandy clay	clay	30 40 silty clay loam	60 77																			
0 1	20 cla	y loam nndy loam	loam 50 ercent sand	silt loam	silt 20 10	100							+ (<	er classes 1%) 25-50%)	1 (1-2%),	2 (>2-5%) 7 (>75-95%		·5-10%) ·95-100		(>10-25	5%)			

	E9								Red	order		Location			[Date (d	d/mm	m/yy)	
		VEGETA	ATION DEC	GRADA	ATION SU	RVEY	FOR		Dr. H	layri Duma	Şahiköy	y/Karacabe	y/Bursa		7		4		2021
GOLD	FD		rt Time/End	d Time					t size		Is plot repres	sentative of				hotos			-
UTM		16	:55 UTI	M N	17:15				ha. v. (m)		Yes UTM Zo	one - Datur	No n (NAD)		826 - 8	350 (AA Wav); T3-´ point		· (HD)
61234			4456						220			35T	, ,				T-3		
Ecoreg	jion		EUNIS Ha	bitat ty	ype						Н	abitat Desc	cription						
PA 1202 Anatolia Deciduous	Forests	d	F5		n Factors					Jain doggo	dation factor	Maqui	s I erosion	lovol		Soil e	· · ·	n olar	100
Degradation very high high	Medium	overgrazing	wood harve		invasive	sp. C	Other				dation factor razing	very high	high	Medium	n bar	e soil	weed		162
Low None		hunting	off-road d		wildfire	<u> </u>	imes Quarr	stone 'y				Low	None			ills	gullie	es la	andslid
Slope (deg	j.)	Aspect	t (deg.)			Slo	pe P	osition				Soil type				Organ	ic ma	tter (cm)
5° - 10°		So	uth	_	toe	depre		mid level Vegetat		wer		Clay				1	5 - 20	cm	
Tree (T) - Cover	Class	High Shrub > 1m	(S) - Cover (Class	Low Shrub	< 1m (S	S) - Co				Cover Class	Grass	s (G) - Cove	r Class	To	tal Vege	tation	- Cove	r Class
0 + 1 2	3 4	0 + 1	2 3	4	0 +	1	2	3 4	0	+ 1	2 3 4	0 +	1 2	3 4	0	+	1	2	3 4
5 6 7 8		5 6 7	8		5 6	7	8		5	6 7	8	5 6	7 8		5	6	7	8	
N.		Tree Layer	(≥3 m tall)				61					inant Unde	erstorey S)	0	× 01	
-N Arbutus andra	Spec ochne	ies		Laye	er +	Cove	2 2	3 4	LN	Olea euro		ecies			_ayer	+	1	er Clas	3 4
1	SIIII C			Т	5	6	7	8	6	Siea eul0	pucu				S	5	6	7	8
2				Т	+ 5	1 6	2	3 4	7	Phillyrea	latifolia				S	+ 5	1	2 7	3 4
3				Т	+ 5	1 6	7	3 4	8	Jasminun	n fruticans				S	+ 5	1 6	7	8
4				Т	5	1 6	7	3 4	9		divaricatum				S	5	6	7	8
5				S	5	1 6	2 7	3 4	10	Cistus cre					F	5 +	6	7	3 4 8 3 4
		No	tes						11	Pistacia to	erebinthus				F	5	6	7	8
									12	Globularia	a trichosantha				F	+ 5	1 6	7	3 4
									13	Dactylis g					G	+ 5	6	7	8
									14	Stipa broi	moides 				G	5 +	6	7 2	3 4 3 4
The maquis habit		a is very healt Critical species				r threa	ıt due	e to the	15 Ra	re plants /					G	5 +	6	7	8 3 4
										weeds re plants /						5 +	6	7	3 4
									Ra	weeds re plants /						5 +	6 1	7	3 4
										weeds						5	6		8
									Ra	re plants / weeds						5	1 6	7	8
Ecoregions PA0422 Euxine-Colo PA1202 Anatolian Co			Forests					C1.2 C1.6 C2.3 C2.8 E2.7 F5.3 G1.7	2 Perr 3 Tem 3 Perr 5 Tem 1 Perr 3 Pser 7 Low	porary lake: nanent non- porary runn nanent mes idomaquis land to mon	otrophic lakes, p s, ponds and poc tidal, slow, smoc	ols oth-flowing v s and aftern ean pine wo	watercours nath-graze oodland (e)	ed meadov		ne [Pinu	s nigra	a])	
20 cl	sandy clay sandy loam	silty clay loam silt loam	80 silt 20 10 0	00					+ (<	e r classes : 1%) 25-50%)	1 (1-2%),	2 (>2-5%) 7 (>75-95%		5-10%) 95-100%)		10-25%)		

		VEGET	TATION DE		A-TION O	UDVE	V 50		Re	ecord	er		Location				Date (c	ld/mi	mm/yy	')	
			TATION DE				YFO	Prof			i Dumaı	Şahikö	by/Karacabe	y/Bursa		7		4			21
GOLD	FR		rt Time/En	d Time					ot siz 4 ha.			Is plot repre			on ?		Photos				
UTM		16	6:15 UT	M N	16:35				ev. (n				one - Datur	No n (NAD)		787-8	325 (AA Way	4); T4 ypoin		4 (HE))
6135				5866					25				35T	,				T-4			
Ecoreç	jion		EUNIS Ha	abitat t	ype							ŀ	Habitat Desc	cription							
PA 1202 Anatolia Deciduous		nd	F	5.2									Maqui	İs							
Degradation	1			<u> </u>	n Factor		Othe	re.		Mair	overgr	lation factor		l erosion		م ما مد			ion sig	nes	
very high high Low None	Medium	overgrazing hunting	wood harv off-road		invasiv wildfi	•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			overgi	ruzing	very high Low	high None	Mediu		re soil rills		eds llies	- lands	- slide:
Slope (deg	J.)	J	ct (deg.)				lope I	Position					Soil type						natter		
5 ° - 10°		So	outh		toe		per press	mid level		lower			Clay					15 - 2	20 cm		
Tree (T) - Cover	Class	High Shrub > 1m	n (S) - Cover	Class	Low Shru	ıb < 1m	ı (S) - (Vegeta				over Class	Grass	s (G) - Cove	r Class	Т	otal Veg	etatic	n - Cov	er Cla	ass
0 + 1 2	3 4	0 + 1	2 3	4	0 +	1	2	3 4) +	+ 1	2 3 4	0 +	1 2		4 0	+	1	2	3	4
5 6 7 8		5 6 7	8		5 6	7	8		5	5 6	5 7	8	5 6	7 8		5	6	7	8		
			r (≥3 m tall										ninant Unde	erstorey S			l)				
N	Spe	cies		Lay	ver +	Co	ver C	3 4		N OI	lea euroj		ecies			Layer	+	Cov	ver Cla	ass 3	4
1				Т		6	7	3 4 8		6	sa euro	yu c a				S	5	6	7	8	4
2				Т	+	1	2 7	3 4	. 7	7 Pt	nillyrea la	atifolia				S	+ 5	1	7	3	4
3				Т	. +	1 6	2 7	3 4 8		Pa	liurus s	pina-christi				S	+ 5	1 6	2 7	3 8	4
ı				Т	5	1 6	2 7	3 4	S	9		arvensis				F	5	1 6	7	8	
5				S	5	1 6	2 7	3 4 8	1	0	edicaga					F	5	6	7	8	
		No	otes						1	1	ordylium	rsp.				F	5	6	7	3 8	4
									1.	2 Pla	antago a	afra				F	+ 5	1	2 7	3	4
									1	3 D a	ictylis g	lomerata				G	+ 5	1 6	2 7	3 8	4
									1	4 Pi	ptatheru	ım miliaceum				G	+ 5	1 6	7	3 8	4
There is overgra	zing pressu	re. Thatswhy c	critical spec	cies are	e not exp	ected	l to be	e found.	1							G	5	6	7	8	4
										wee	-						5	6	7	8	4
										wee	-						5	6	7	8	4
									R	Rare p	olants / eds						+ 5	1 6	2 7	3 8	4
									R		olants / eds						+ 5	1	2 7	3	4
coregions A0422 Euxine-Colo A1202 Anatolian Co		eciduous Mixed	Forests					C1 C2 C2 E2. F5.	.2 Pe .6 Te .3 Pe .5 Te .1 Pe .3 Psc .7 Lo	ermane empora empora empora ermane eudon	ary lakes ent non-t ary runni ent mesc naquis I to mont	ats otrophic lakes, p s, ponds and po tidal, slow, smo ing waters otrophic pasture tane mediterran] woodland sou	ools ooth-flowing ves es and aftern nean pine wo	watercours nath-graze oodland (ex	ed meado		ne [Pin	us niç	gra])		
20 CI	sandy clay sandy loam 70 60	clay silty clay loam silt loam silt loam	70	100					+ (over c (<1%) (>25-5		1 (1-2%),	2 (>2-5%) 7 (>75-95%		·5-10%) ·95-100%		10-25%	%)			

		VEGET	ATION DE		ATION O		.V. F.O.		R	leco	rder		Location			[Date (d	d/mm	m/yy)	
		VEGET	ATION DE	GRAD/	ATION S	URVE	Y FOI		of. Dr	·. Ha	yri Dumaı	Hayırla	r/Karacabe	y/Bursa		7		4		2021
GOLD	FD		rt Time/En	d Time	<u> </u>			Р	Plot s			Is plot repres	sentative of		on?		hotos			
UTM		15	::10 UT	<u> </u> M N	15:30			E	4 ha lev. (Yes UTM Zo	one - Datun	No n (NAD)		730- 8	50 (AA Wa v); T5-1 point		(HD)
6228				9884				_	85				35T	()				T-5		
Ecore			EUNIS Ha		ype							Н	abitat Desc	ription						
PA 1202 Anatolia Deciduous		nd		1.C					D	ry m	nediterrand	ean lands with	unpalatable	e non-ver	nal herba	ceous				
Degradation				ı	n Factor		Othe	ers:		Ma	ain degrad overgi	lation factor		erosion	T	- h	Т	erosio		nes
ery high high Low None	Medium	overgrazing hunting	wood harv	- 1	invasiv wildfii		-				0 t 0. g.	y	very high Low	high None	Mediun	-	e soil ills	weed gullie	_	 andslide
Slope (de	g.)		t (deg.)			S	lope I	Position					Soil type				Orgai	nic ma		cm)
0°			-		crest toe		oper oress	mid level	ı	low –			Clay				,	15 - 20	cm	
Tree (T) Cover	Class	Himb Church > 4m	(S) Cover	Class	L avy Char	.b. < 4	· (C) (Veget				Yawan Class	Cross	(C) Cover	v Class	To	4al Vaa	-4-4i n	Cove	w Class
Tree (T) - Cover	3 4	High Shrub > 1m	2 3	4	Low Shru	10 < 1m	2	3	4	0	Forb (F) - C + 1	2 3 4	Grass	(G) - Cover	3 4	0	+	etation 1	2 - Cove	er Class
5 6 7 8		5 6 7	8		5 6	7	8			5	6 7	8	5 6	7 8		5	6	7	8	
		Tree Layer	r (≥3 m tall))								Dom	inant Unde	rstorey S	pecies (<	3m tall)			
N	Spe	cies		Lay		Co	ver C			_N	D		ecies			_ayer		Cove	r Cla	
I				Т	. + 5	1 6	2 7	3 8	4	6	Phillyrea l	atifolia				S	+ 5	1 6	7	3 4
2				Т	+	1 6			4	7	Erica arbo	rea				S	+ 5	1 6	2 7	3 4
3				Т	. +	1	2	3	4	8	Paliurus s	pina christi				S	+ 5	1 6	2	3 4
				Т	. +	1 6	2 7	3 8	4	9	Poa annua	3				F	+ 5	1 6	2 7	3 4
5				S	+ 5	1 6	2 7	3 8	4	10	Asphodel	us aestivus				F	5	1 6	7	3 4
		No	otes							11						F	5	1 6	2 7	3 4
										12						F	+ 5	1 6	2 7	3 4 8
									,	13						G	+ 5	1 6		3 4
										14						G	5	6		3 4
Although there i		ng in the area, i ith a regional d					s, whi	ch is an		15 Pare	e plants /	Ferulago macr	osciadia			G	5 +	6	2 7 2	3 4 8 3 4
										W	veeds						5 +	6		8 3 4
										w Rare	veeds e plants /						5 +	6 1	7	3 4
											veeds						5 +	6	7	3 4
											e plants / veeds						5	6		8
coregions A0422 Euxine-Colo A1202 Anatolian C		eciduous Mixed	Forests					C C C E F G	1.2 P 1.6 T 2.3 P 2.5 T 2.1 P 5.3 P 1.7 L	erma emp erma erma seud owla	orary lakes anent non-t orary runni anent meso lomaquis and to mont	otrophic lakes, p s, ponds and poo tidal, slow, smoo	ols oth-flowing v s and afterm ean pine wo	vatercours nath-graze odland (ex	d meadov		ne [Pinu	us nigra	a])	
20	sandy clay	clay clay clay loam silt loam	60	100					+	(<1º	r classes : %) 5-50%)	1 (1-2%),	2 (>2-5%) 7 (>75-95%		5-10%) 95-100%)		10-25%	o)		

				VEGET	ATION DE	GRAD)ATIO	N SU	RVEY	/ FOI	RM		Rec	orde	r				Location				Da	ate (d	d/mr	nm/y	y)	
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	Ecoregi	on			EUNIS Ha	abitat	туре											Hi	abitat Des	cription								
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D	eciduous F	orests				G3.F		otoro							doaro	dotio	n footo	-		il oronion	loval			Soil o		on oi		
very high	gradation le	Medium	over	rgrazing	wood harv	radation esting	ı	asive	sp.	Othe			IV.	nam	Plant		n facto)r	very high	il erosion high	1	dium	bare	Soil e		eds		
Low	None			unting	off-road	drive		vildfire		Plan	itation								Low	None			rill	s	gul	lies		slides
S	Slope (deg.)		Aspec	t (deg.)			, 1		_	Positio		l ,						Soil type				•	Orgar	nic m	atter	(cm)	
	10°-15°			North	hwest		cre		upp depr		m lev		lo	wer					Clay					1	15 - 2	20 cm		
												etati	on co	over														
	(T) - Cover C	_	High S	Shrub > 1m	(S) - Cover	Class		Shrub	< 1m	(S) - C	Cover C	lass		For	b (F) - 0					s (G) - Cove				al Vege	etatio			ass
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Ecoregion PA0422 Eu	ns uxine-Colch	ic Broadle	af Fore	 ests											I Habit nt mes		hic lake	es no	onds and p	oools								
	natolian Coi				Forests							C1.6	Tem	pora	ry lake:	s, po	nds and	poo	ols	watercours	ses							
												C2.5	Tem	pora	ry runn	ing w	/aters			math-graze		adows						
Soil Type												F5.3	Pseu	ıdom	aquis		-			oodland (e)			k pine	: [Pinu	ıs nic	gra])		
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Move Move Move May M					VEGET	ATION DE		ATION) LIDY	/EV FO		Re	corder		Location	า			Date (dd/m	mm/y	y)	
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Marie Control of C	G	OLDE	R				nd Tim)				9				ion ?						
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Passide American Society Passide													,										
Main dependence reserved		Ecoregi	on			EUNIS H	abitat	type							Habitat Des	scription							
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Solido Policy P								on Facto	rs				Main deg	radation factor	Sc	oil erosion	level		Soil	eros	ion si	gnes	
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GOLD	ER		rt Time/En	d Time					lot si 4 ha.			Is plot repres	sentative of	f vegetation	on?		hotos			
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PA 1202 Anatolia Deciduous		nd	E1	1.C					Di	ry m	editerrand	ean lands with	unpalatabl	e non-ver	nal herba	ceous	vegeta	ation		
Degradation				Т	n Facto		Otho	aro.		Ма		lation factor		l erosion	T		I		n sigr	nes
ery high high Low None	Medium	overgrazing hunting	wood harv		invasiv wildfi	•	Othe	ers:			overgr	razıng	very high Low	high None	Medium	-	e soil ills	wee gulli		_ andslide
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1°			-	_	crest toe		per	mid level		lowe	er		Clay					10 c	m	
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coregions A0422 Euxine-Colc A1202 Anatolian Co		eciduous Mixed	Forests					C1 C2 C2 E2 F5 G1	1.2 Pe 1.6 Te 2.3 Pe 2.5 Te 2.1 Pe 5.3 Ps 1.7 Lo	erma empo erma empo erma eudo wlar	orary lakes anent non-t orary runni anent meso omaquis nd to mont	otrophic lakes, p s, ponds and poc tidal, slow, smoo	ols oth-flowing v s and aftern ean pine wo	watercours nath-graze odland (ex	d meadov		ne [Pinu	us nigi	ra])	
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	OLDE	. D		Sta	rt Time/E	nd Tim	e (24-hr	.)			t size	•		Is plot repres	entative o		ion ?		Photo	s (St	tart - E	nd)	
G	UTMI			09	9:15	TM N	09:45				ha. v. (m)		4	Yes	one - Datu	No m (NAD)		52	5-551(A		9-1-T9 oint ID		D)
	64621					58793					80			0110120	35T	iii (IAD)			•	T-			
	Ecoregi				EUNIS I		type				<u> </u>			Н	abitat Des	cription					3		
_)2 Anatoliar Deciduous I		nd			G1.7								Thermophi	ilous deci	duous wo	odland	l					
De	gradation l	evel			Deg	gradati	on Facto	ors			ı	Main deg	grada	ation factor	So	il erosion	level		So	il erc	sion s	ignes	s
ery high	high	Medium	overg	razing	wood har			•	Othe	ers: _					very high	high	Med	lium l	bare soi		veeds		_
Low	None	,	hun	ting	off-road	l drive	wild	fires		-					Low	None			rills		gullies		dslides
	Slope (deg.	.)		Aspec	ct (deg.)		orost	Т	<u> </u>	Position mid	l lo	wer			Soil type				Org	ganic	matte	r (cm	1)
	15°-20°			No	orth		toe		upper epress	level Vegetat					Sandy Cla	у				2	20 cm		
Tree	e (T) - Cover (Class	High Sh	rub > 1m	n (S) - Cove	r Class	Low Sh	rub < '	1m (S) - (Cover Class) - Co	over Class	Gras	s (G) - Cove	er Class		Total V	egeta	tion - C	over C	Class
0 +	1 2	3 4	0 +	+ 1	2 3	4	0 -		1 2	3 4	0	+	, <u> </u>	2 3 4	0 +	1 2		4	0 +	1	2	3	4
_	7 8		5 6	5 7	8	•	5 (3	7 8		5	6	7	8	5 6	7 8			5 6	7	7 8	•	•
					r (≥3 m ta	II)									inant Und								
_N		Spe	cies			La	yer	(Cover C	lass	LN			Spe	cies			Laye	er	C	over (Class	
Que	ercus petrae	a					г -	- '	1 2	3 4	6	Phillyre	ea la	tifolia				S	+	1	2	3	4
•							•	5 (6 7	8	0							<u> </u>	5	6	; 7 	8	
Que	ercus cerris						Г ;		1 2 6 7	3 4	7	Ruscus	s acu	ıleatus				S	+ 5	-	2 3 7	3 8	
3							Г .	+ -	1 2	3 4	8	Cistus	creti	icus				S	+	-	2	3	4
									5 7	8	_		4.5						5			8	
4						•	г -		1 2	3 4	9	Oenan	the p	oimpinelloides				F	+	•	2	3	
							;		6 7 1 2	3 4		Gerani	ium s	en .					5 +		2	8	
5						•	S		5 7	8	10	Gerain	uiii s	sp.				F	5			8	
						nonmonous.	'		<i>3</i> 1	0									+		2	3	
				No	otes						11							F	5	6		8	
																			+		2	3	
											12							F	5	6	5 7	8	
											13	Festuc	a val	lesiaca				G	+	1	2	3	4
											13							G	5	6	7	8	
											14	Dactyli	is glo	omerata				G	+	1	2	3	4
																		_	5	6	7	8	
											15							G	+	1	2	3	
The de	eciduous oa	ak forest in ascheanum			-	_				ogalum				2					5			8	
	ρί	iscricarian.	, apocio	.3 Hu3 k	Jeen obse	,, v ca 11	i tiic iidi	itat.			Ra	re plants weeds	s/	Ornithogalum	pascnean	um			+	-	2	3	
											В								5 +	6	2	3	
											Ka	re plants weeds	51						5	6		8	
											Ra	re plants	s /						+		2	3	
												weeds							5	6	; 7	8	
											Ra	re plants	s/						+	1	2	3	4
												weeds							5	6	7	8	
	Euxine-Colch Anatolian Co		eciduous		Forests					C1.2 C1.6 C2.3 C2.5 E2.1 F5.3 G1.7	Perr Tem Perr Tem Perr Pseu Low	nporary la manent no nporary ru manent m udomaqu rland to m	nesotakes, on-tid unnin nesot iis nonta	ts trophic lakes, population ponds and pooled and pooled grant pastures are mediterrane woodland south	ols oth-flowing is and afteri ean pine w	watercour math-graz oodland (e	ed mea		pine [P	inus	nigra])		
	30 s. cla	sandy clay	clay loam	30 40 silty clay silt loam	80	100					+ (<	ver classo :1%) 25-50%)	1	(1-2%),	2 (>2-5%) 7 (>75-95		>5-10% >95-100		· (>10-2	5%)			

			VEGET	ATION DEG	PADATIO	ON SHE	OVEV EOE	ЭМ		Rec	order		Location				Date (d	d/mm	m/yy)	
	S						XVL110F	P			ayri Duma		nice/Mudar	_		7		4		20	21
G	OLDE	R		rt Time/End					Plot s			Is plot repres	sentative of	No No	on?		hotos				<u></u>
	UTM E		08	:03 UTM		3:30			Elev.				one - Datun			505-52	24(AA); Wa y	point		4 (HI	J)
	65993	3		4460	550				75	5			35T					T-10			
	Ecoregi	on		EUNIS Hab	itat type							Н	abitat Desc	ription							
	2 Anatolian Deciduous F		nd	F5.	3								Pseudoma	aquis							
De	1						011			M			Soi		<u> </u>		Т	erosio	n sig	nes	
		Medium	overgrazing				Agric				Overg	grazing	very high		Mediu		+			lands	lidos
)			ive v	Wildines		Positio	n on					None		'					
					cr	est	upper	mi	d	lov	wer		Clay					20 c	m		
	U				t	oe	depress		_		_		Oldy					20 0			
Tree	e (T) - Cover C	Class	High Shrub > 1m	ı (S) - Cover Cl	lass Low	/ Shrub <	< 1m (S) - C			on co		Cover Class	Grass	(G) - Cove	r Class	To	otal Veg	etation	- Cov	er Cla	ass
0 +	1 2	3 4	0 + 1	2 3	4 0	+	1 2	3	4	0	+ 1	2 3 4	0 +	1 2		_	+	1	2	3	4
5 6	7 8				5	6	7 8			5	6 7		5 6	7 8				7	8		
I N		Sno		r (≥3 m tall)	Laver		Cover C	ass		I N				rstorey S	pecies (Cove	r Cla	150	
Que	rcus petrae					+	1 2	3	4		Phillyrea		,0103				+	1	2	3	4
1	-				Т	5	6 7	8		6	_					S	5	6	7	8	
2 Pali	urus spina-	christi			Т	+	1 2	3	4	7	Ruscus a	culeatus				S	+	1	2	3	4
						5 +	6 <i>7</i> 1 2	3	4		Juniperus	s oxycedrus					5 +	1	2	3	4
3					T	5	6 7	8		8	-	-				S 	5	6	7	8	
4					Т	+	1 2	3	4	9	Bellis per	ennis				F	+	1	2	3	4
									4								5 +	6 1	/ 2		4
5					S	5	6 7	8	Ė	10						F	5	6	7	8	
			No	otes						11						F	+	1	2	3	4
																	5	6	7	8	4
										12						F	5	6	7	8	4
Cow None Number Number		4																			
																		6	-		
										14						G		6			4
										15						G		1	2	3	4
	This h	abitat is u	nder pressure f	rom overgra	azing and	d agricu	ulture											6	-		
Tree (T) - Cover Class		4																			
																		1	2		4
																	5	6	7		
											e plants / weeds						5	1 6	7	3 8	4
										Rar	e plants /						+	1	2	3	4
											weeds						5	6	7	8	
	uxine-Colch natolian Col	nifer And D	af Forests eciduous Mixed	Forests				(((E F	C1.2 F C1.6 T C2.3 F C2.5 T E2.1 F F5.3 F G1.7 I	Perm Temp Perm Temp Perm Pseu Lowl	porary lake nanent non- porary runn nanent mes domaquis and to mon	tats cotrophic lakes, pos, ponds and pooditidal, slow, smooting waters otrophic pastures tane mediterrance woodland south	ols oth-flowing v s and afterm ean pine wo	vatercours nath-graze odland (ex	d meado		ne [Pinu	ıs nigr	a])		
0	30 Si clay	ndy loam	clay silty clay loam loam silt loam solution	70					-	+ (<1	er classes : 1%) 25-50%)		2 (>2-5%) 7 (>75-95%		5-10%) 95-100%		10-25%)			

		VEGE	TATION DE	GRAD	ATION	SURV	FY FO	RM	R	eco	rder		Location				Date (d	ld/m	mm/y	y)	
S								Pro			yri Dumaı	_	e/Osmanga		2	6	hataa	4	t F)21
GOLDE	R		art Time/En 7:15	ia rime	e (24-nr 17:35				ot si: 4 ha.			Is plot repre Yes	sentative of	No	on ?	414-43	hotos				D)
UTM E	=	ı		MN	17.33				ev. (r				one - Datur			414-40	-	ypoir		-4 (11	<i>D</i>)
68049	6		445	9212					337				35T					T-11			
Ecoregi	on		EUNIS H	abitat t	type				_	_		ŀ	labitat Desc	cription				_		_	
PA 1202 Anatolian Deciduous F		nd	G	3.F								Highly arti	ficial conife	erous plan	tations						
Degradation le					n Facto	rs				Ma	ain degrad	dation factor	Soi	l erosion l	evel		Soil	eros	ion si	gnes	
very high high	Medium	overgrazing	wood harv			•	Othe	ers: _			-	_	very high	high	Mediu		e soil		eds		_
Low None Slope (deg.	1	hunting Asne	off-road of ct (deg.)	drive	wild	fires	Slone	Position					Soil type	None		r	ills Orga		llies		slides
	<u>'</u>				crest		pper	mid		low	rer						0.94			(0111)	
20°		V	Vest		toe	de	press	level					Clay					15	cm		
- (T) 0			(0)	O.			(0)	Vegeta						(0)				4 4		01	
Tree (T) - Cover (3 4	High Shrub > 1	n (S) - Cover 2 3	Class 4	0 +	ub < 1 1	m (S) - 0	Cover Clas 3 4		0	+ 1	2 3 4	Grass	1 2		4 0	tal Veg +	etatio	2	ver Ci 3	ass 4
5 6 7 8		5 6 7		Ċ		5 7	8			5	6 7	8	5 6			5	6	7	8		
		Tree Laye	er (≥3 m tall)								Don	ninant Unde	erstorey Sp	pecies (<3m tall)				
LN Dinasa ninus (a)		cies		Lay			over C			-N	Di- '''	•	ecies			Layer		Co	ver Cl		
Pinus nigra (pla	antations)			Т	- -	•	2 7	3 4		6	Phillyrea l	аштона				S	+ 5	1 6	2 7	8	4
Cupressus sem	pervirens			_	-		2	3 4		7	Asparagu	s acutifolius					+	1	2	3	4
2				Т		5 6	7	8		7						S	5	6	7	8	
3				Т		•	2	3 4		8	Juniperus	oxycedrus				S	+	1 6	2	3	4
					-		2	8 3 4			Quercus p	oetraea					5 +	 1	2	8	4
4				Т	-	5 6	7	8	9	9	,					S	5	6	7	8	
5				S	3	- 1	2	3 4	. 1	10	Ruscus ad	culeatus				S	+	1	2	3	4
						5 6	7	8			Ooverio olh						5	6	7	8	1
		N	otes						1	11	Osyris alb	d				S	5	6	2 7	8	4
									1	12	Anemone	blanda				F	+	1	2	3	4
																	5	6	7	8	
									1	13	Dactylis g	lomerata				G	5	1 6	7	8	4
																	+	1	2	3	4
									1	14						G	5	6	7	8	
									1	15						G	+	1	2	3	4
The natural habitat		i is maquis. Ho he natural hab				nigra	planta	tion in th		Para	e plants /						5 +	6 1	2	3	4
									ľ		eeds						5	6	7	8	
									F		plants /						+	1	2	3	4
											veeds						5 +	6	7	3	4
											e plants / /eeds						5	6	7	8	7
									F		e plants /						+	1	2	3	4
										W	veeds						5	6	7	8	
Ecoregions PA0422 Euxine-Colch PA1202 Anatolian Col Soil Type	nifer And D		l Forests			.2 Pe .6 Te .3 Pe .5 Te .1 Pe .3 Ps .7 Lo	erma empe erma erma seud owla	orary lakes anent non- orary runn anent meso lomaquis and to mon	ats otrophic lakes, ponds and po tidal, slow, smo ing waters otrophic pasture tane mediterran] woodland sou	ols oth-flowing versions and aftern ean pine wo	watercours nath-grazed odland (ex	d meado		ne [Pini	us niç	gra])					
30 si clas	sandy clay loam	clay clay clay clay clay silty clay silty clay loam silt loar	80	100					+	(<19	r classes : %) 5-50%)	1 (1-2%), 6 (>50-75%)	2 (>2-5%) 7 (>75-95%		5-10%) 95-100%		10-25%	6)			

				VEGET	ATION DE	GRAD	ATION S	SURV	EY FO	RM -		Rec	order		Location				Date (dd/m	mm/y	/)	
	S									P			ayri Duma		fakih/Keste		a	6	No a ta a	4	4 F.,		21
G	OLDE	R			rt Time/En :45		e (24-nr. 16:40)			910t 4 h	size na.		Is plot repres	sentative of	No	on ?				rt - En		D)
	UTM E			10		MN	10.40					. (m)			one - Datun			300-4			nt ID	-4 (П	<i>D</i>)
	693452	2			445	6668					15	58			35T					T-12	<u>}</u>		
	Ecoregi	on			EUNIS H	abitat t	type							H	labitat Desc	cription							
_	2 Anatolian eciduous F		and		G	3.7						Lowl	and to m	ontane mediterra	anean <i>Pinu</i> s	s woodla	nd (exc	luding <i>F</i>	Pinus r	nigra)		
	gradation le						n Facto	rs				M	lain degra	adation factor	Soil	l erosion	level		Soil	eros	ion si	gnes	
very high	high	Medium	overg	razing	wood harv	esting	invasi	/e sp.	Othe	ers: _			over	grazing	very high	high	Medi	um ba	e soil	We	eeds		
Low	None	1	hun	nting	off-road	drive	wild1		01	D !4! -					Low	None			rills		llies		slides
*	Slope (deg.)		Aspect	t (deg.)		crest	I	ipper	Positio mic		lov	ver		Soil type				Orga	inic r	natter	(cm)	
	25°			South	hwest	-	toe		epress			101	VOI		Clay					10) cm		
_										Veg		on co											
0 +	(T) - Cover C	3 4	High Sh	nrub > 1m 	2 3	Class A	Low Shr	ub < 1 1	m (S) - 0	Cover Cl	ass 4	0	Forb (F) -	Cover Class 2 3 4	Grass 0 +	1 2	r Class	4 0	otal Veo	getation 1	on - Cov	ver Cla 3	ass 4
_	7 8	5 4		6 7	8	7	5 6	7	8	3	7	5	6 7		5 6	7 8	3	5	6	7		3	7
					r (≥3 m tall)									inant Unde		pecies	(<3m tal					
LN		Spe	ecies			Lay	/er	С	over C			LN			ecies			Layer		Co	ver Cl		
1 Pinu	s brutia					Т		1	2	3	4	6	Phillyrea	latifolia				S	+	1	2	3	4
							5		7	3	4		Quercus	coccifera					5 +	6	7	3	4
2						Т		•		8	T	7	4401043	Joonera				S	5	6	7	8	
3						Т	+		2	3	4	8	Rhamnu	s oleoides				S	+	1	2	3	4
						1	5	6		8		0						J	5	6	7	8	
4						Т		•	2	3	4	9	Juniperu	is oxycedrus				S	+	1	2	3	4
							5	1	2	3	4		Cistus ci	reticus					5 +	6	2	3	4
5						S		6		8		10	Olotao ol					S	5	6	7	8	
				No	otes							11	Salvia to	mentosa				F	+	1	2	3	4
				NO	les														5	6	7	8	
												12	Anemon	e blanda				F	+	1	2	3	4
													Dactylis	glomerata					5 +	6	2	8 3	4
												13	Buotyno	giomorata				G	5	6	7	8	
												14	Stipa bro	omoides				G	+	1	2	3	4
											·	17							5	6	7	8	
										_		15						G	+	1	2	3	4
Pinus bru	tia forests	in this are	ea are no		nealthy. Th habitat.	nere ar	e also n	nany	maquis	s eleme	ents	Par	e plants /						5 +	6 1	2	3	4
													e piants / weeds						5	6	7	8	
													e plants /						+	1	2	3	4
													weeds						5	6	7	8	
													e plants / weeds						+ 5	1 6	2 7	3 8	4
													e plants /						+	1	2	3	4
													weeds						5	6	7	8	
	regions 422 Euxine-Colchic Broadleaf Forests C1.2 I 202 Anatolian Conifer And Deciduous Mixed Forests C2.3 I C2.5 I E2.1 F F5.3 F G1.7 I G3.7													sotrophic lakes, pes, ponds and poon- n-tidal, slow, smoon ning waters sotrophic pasture	ols oth-flowing v s and afterm ean pine wo	watercours nath-graze odland (e)	ed mead		ne [Pin	us ni	gra])		
0 4	30 Sa clay	sandy clay loam	clay loam loam	30 30 40 silty clay clay loam silt loam	60	100						+ (<1	er classes %) 25-50%)	1 (1-2%),	2 (>2-5%) 7 (>75-95%		5-10%) 95-100%		10-259	%)			

		·										Re	corder		Location				Date	(dd/r	nmm/	уу)	
				VEGET	ATION DE	GRAD	ATIO	N SU	RVEY	′ FOF		f. Dr. l	Hayri Du	maı Göl	başı/Kestel/	Bursa		6		4		2	021
G	OLDE	= D			rt Time/En	d Tim						ot size	9	Is plot repre			ion?			-	art - E		
9	UTM			15	:00 UT	M N	15:	20				4 ha. ev. (m)	Yes UTM 2	Zone - Datu	No m (NAD)		343	3-362(A/ W		3-1-T1 int ID		HD)
	70035					5568						345	<u>, </u>		35T	,				T-1			
	Ecoreg	ion			EUNIS Ha	abitat	type								Habitat Des	cription							
	2 Anatoliai eciduous	n Conifer a	ınd		G.	3.7						Lov	vland to	montane mediter	ranean <i>Pinເ</i>	ıs woodla	and (ex	cludin	g Pinus	nigr	a)		
	gradation I					adatio	on Fa	ctors					Main de	gradation factor	So	il erosion	level		Sc	il ero	sion s	ignes	5
very high		Medium			wood harv			asive		Othe	rs: _			-	very high		Med	lium l	bare so		eeds	<u> </u>	
Low	None Slope (deg	.)	r	nunting Aspec	off-road o	drive	W	ildfire		ope F	osition		Т		Low Soil type	None			rills		ullies matte		dslides)
		,			est		cre	est	upp		mid	lo	ower								.0 cm		,
	30°			VV	esi		to	е	depr	ess	level				Clay					2	O CIII		
Troo	(T) - Cover	Class	High	Shruh > 1m	(S) - Cover	Class	Low	Shrub	< 1m ('S) - C	Vegeta			i) - Cover Class	Gras	s (G) - Cove	or Class		Total V	oneta:	tion - C	over C	lace
0 +	1 2	3 4	0	+ 1	2 3	4	0	+	1	2	3 4	0		1 2 3 4	0 +	1 2		4	0 +	1	2	3	4
5 6	7 8		5	6 7	8		5	6	7	8		5	6	7 8	5 6	7 8			5 6	7	8		
				Tree Layer	r (≥3 m tall)										minant Und	erstorey S	Species						
LN	10 hu-41-	Spe	cies			La	yer	,	Cov	er Cl		LN		_	oecies		occurrent to the state of the s	Laye			over (
1 Pinu	s brutia					٦	Γ	+ 5	1 6	7	3 4 8	6		ıs andrachne				S	5		2 7	3 8	4
0	***************************************					_	_	+	1	2	3 4	_	Querc	us coccifera				_	+		2	3	4
2						7		5	6	7	8	7						S	5	6	7	8	
3						1	Γ	+	1	2	3 4	8	Philly	ea latifolia				S	+	•	2	3	4
								5 +	6 	7	8 		Cietue	creticus					5 +		7	3	4
4						٦	Γ	5	6	7	8	9	Cistus	creucus				S	5			8	4
5						5	2	+	1	2	3 4	10	Salvia	tomentosa				F	+	1	2	3	4
5								5	6	7	8	10						Г	5	6		8	
				No	tes							11	Junipe	erus oxycedrus				S	5	•	2	8	4
													Anemo	one blanda					+		2	3	4
												12	2					F	5	6	7	8	
												13	Dactyl	is glomerata				G	+	1	2	3	4
													Ctino	n vomo idoo					5		7	8	
												14	Зира і	oromoides				G	5	•		3 8	4
												15							+		2	3	4
	Pine	us brutia fe	orests	s in this ar	ea are verv	/ heal	thy ar	nd dei	nse.			15						G	5	6		8	
							- '					Ra	are plant weeds	s /					+	•	2	3	4
												D.	are plant	s /				***************************************	5 +		2	3	4
												No.	weeds						5	•		8	•
												Ra	are plant	s /					+	1	2	3	4
													weeds						5			8	
												Ra	are plant weeds	s /					5	•	2 7	3 8	4
																			3	0	′	0	
Ecoregion	ns										EU	NIS N	atural H	abitats									
		nic Broadlea nifer And D			Forests									nesotrophic lakes, akes, ponds and po		ools							
											C2	.3 Per	manent r	ion-tidal, slow, smo unning waters		watercour	ses						
											E2.	1 Per		nesotrophic pastur	es and afterr	math-graz	ed mea	dows					
Soil Type											G1	.7 Lov	vland to r	nontane mediterra	-		excludin	g black	pine [F	inus ı	nigra])		
		1 00	00 0	10							G3	./ [PIr	ius sylve:	stris] woodland sou	ılıı or the talç	ja							
		80	\bigvee	20																			
		70	clay	30																			
	169	60	X	40	Per 1																		
	menen 5	sandy	$\langle \rangle$	silty clay	60																		
	30	clay	clay	silty clay loam	70																		
	20 cla	andy y loam	loam	XX	80							_	•										
/	loamy	andy loam		silt loam	silt 90	100							ver class <1%)	es: . 1 (1-2%),	2 (>2-5%)	3 (>	>5-10%) 4	(>10-2	5%)			
0	sand sand	70 60 p	50 ercent sand	40 30	20 10 0	100							·170) ·25-50%)		7 (>75-95		>95-10 <i>7</i> 0		,	- · • /			
												•	,	•		•							

							Rec	order		Location			[Date (d	d/mm	ım/yy)
	VEGETATION D	EGRAD	ATION	SURV	EY FOR		Dr. H	layri Dumaı	Karakö	y/Yenişehiı	/Bursa		6		4		2021
GOLDER	Start Time/E	ind Tim					t size ha.		Is plot repres	sentative of				hotos	-		
UTM E	13:35 U	TM N	14:00				na. v. (m)			one - Datum	No (NAD)	(307-32		T14-1 point		4 (HD)
719880	44	60983					234			35T	, ,				T-14		
Ecoregion	EUNIS I	-labitat	type						Н	abitat Desc	ription						
PA 1202 Anatolian Conifer a Deciduous Forests		E2.1						Permaner	nt mesotrophic	pastures ar	nd afterm	ath-graze	d mea	dows			
Degradation level	<u> </u>		on Facto	ors			N	/lain degrac	lation factor	Soil	erosion l	level		Soil	erosio	n sig	nes
very high high Medium	overgrazing wood ha			•	Othe	ers: _		overg	razing	very high	high	Medium		e soil	wee		1 1 1
Low None Slope (deg.)	hunting off-road Aspect (deg.)	d drive	Wild	fires	Slope F	Position				Soil type	None		r	ills Orga r	gulli nic ma		andslide
	135,000 (403,4		crest		upper	mid	lo	wer						9	20 c		,
0°	-		toe	de	epress	level		_		Clay					20 0	3111	
Tree (T) - Cover Class	High Shrub > 1m (S) - Cove	r Class	Low Sh	ruh < 1	m (S) - 0	Vegetat		over Forb (F) - C	Cover Class	Grass	(G) - Cover	r Class	To	ital Vegi	etation	- Cove	er Class
0 + 1 2 3 4	0 + 1 2 3	4	0 -	+ 1	2	3 4	0	+ 1	2 3 4	0 +	1 2	3 4	0	+	1	2	3 4
5 6 7 8	5 6 7 8		5 6	6 7	7 8		5	6 7	8	5 6	7 8		5	6	7	8	
Sno	Tree Layer (≥3 m ta		vor.		Cover C	looo	LNI			inant Unde	rstorey S _l				Cov	or Clo	
	cies	Lay	-	+ 1	over C	3 4	LN	Eryngium		ecies			ayer	+	1	er Cla 2	3 4
1		7	- 1	5 6	5 7	8	6						F	5	6	7	8
2		Т	Γ	+ 1	2	3 4	7	Poa annua	a				G	+	1	2	3 4
			-	5 6 + 1	2	3 4		Bellis pere	ennis					5 +	6 1	2	3 4
3		7		5 6	5 7	8	8	-					F	5	6	7	8
4		 	Γ	+ 1	2	3 4	9	Crepis sai	ncta				F	+	1	2	3 4
			-	5 6 + 1	2	3 4		Juncus ef	fusus					5 +	6	2	3 4
5		5		5 6		8	10						G	5	6	7	8
	Notes						11	Scabiosa	argentea				F	+	1	2	3 4
								Salvia virg	nata					5 +	6	7	3 4
							12	Ourvia ving	jutu				F	5	6	7	8
							13	Verbascui	m sinuatum				F	+	1	2	3 4
								Elymus hi	enidue					5 +	6	7	3 4
							14	Liyinasin	opidus				G	5	6	7	8
							15						G	+	1	2	3 4
This habitat is u	nder overgrazing and ar	nthropo	genic p	ressu	re.		D							5 +	6	7	3 4
								re plants / weeds						5	6	7	8
								re plants /						+	1	2	3 4
								weeds						5 +	6	7	8 3 4
								re plants / weeds						5	6	7	8
								re plants /						+	1	2	3 4
								weeds						5	6	7	8
coregions A0422 Euxine-Colchic Broadlea A1202 Anatolian Conifer And D						C1.2 C1.6 C2.3 C2.5 E2.1 F5.3 G1.7	Pern Tem Pern Tem Tem Pern Pern Pseu Low	porary lakes nanent non- porary runni nanent meso Idomaquis land to moni	otrophic lakes, p s, ponds and poc tidal, slow, smoo	ols oth-flowing w s and afterm ean pine woo	/atercours ath-graze odland (ex	d meadow		ne [Pinu	ıs nigr	ra])	
sandy clay loam loamy sandy loam sandy sandy sandy sandy sand	clay silty clay loam 70 loam silt loam 70 solution 10 100					+ (<	er classes : 1%) 25-50%)	1 (1-2%),	2 (>2-5%) 7 (>75-95%		5-10%) 95-100%)	4 (>	10-25%	o)			

	170								Reco	order		Location			[Date (d	ld/mn	ım/yy	<u>()</u>	
		VEGET	TATION DE	GRAD	ATION	SURV	EY FO		Dr. Ha	ayri Duma	Ebekö	by/Yenişehir	r/Bursa		6		4		20	21
GOLDI	= D	Sta	art Time/En	d Time	e (24-hı	r.)			t size		Is plot repres	sentative of	_	on ?	Р	hotos	(Start	- En	d)	
UTM		12	2:42 UT	M N	13:10	<u>) </u>			ha. v. (m)		Yes UTM Z	one - Datun	No n (NAD)		283-30		T15-1 point		-3 (H	D)
73439				1056					253			35T					T-15			
Ecoreg	ion		EUNIS Ha	abitat 1	type						ŀ	labitat Desc	cription							
PA 1202 Anatolia	n Conifer a	nd								1	Mixed crops of	market gard	dens and	horticult	ure					
Deciduous Degradation	Forests			l.2	n Fact	ore			M	ain dogra	dation factor	Soil	l erosion	lovol		Soil	orosia	n eic	inos	
ery high high	Medium	overgrazing	wood harv	1		ive sp			101		culture	very high	high	Medium	n bar	e soil	wee			_
Low None		hunting	off-road o	drive	wilc	lfires	Agri	culture				Low	None		r	ills	gull	ies	lands	
Slope (deg	j.)	Aspe	ct (deg.)			1		Position	Ι.			Soil type				Orga	nic m	atter	(cm)	
0°-5°		Nor	theast	-	toe		upper epress	mid level		ver		Sandy Clay	1				20 (cm		
Tree (T) - Cover	Class	High Shrub > 1r	m (S) - Cover	Class	Low Sh	rub < 1	lm (S) - (Vegetat			Cover Class	Grass	s (G) - Cove	r Class	To	otal Veg	otation	o - Cov	or Cl	200
0 + 1 2	3 4	0 + 1	2 3	4	0	+ 1	2	3 4	0	+ 1	2 3 4	0 +	1 2	3 4	0	+	1	2	3	4 4
5 6 7 8		5 6 7	8		5	6 7	7 8		5	6 7	8	5 6	7 8		5	6	7	8		
			er (≥3 m tall)									ninant Unde	rstorey S)	^			
N	Spe	cies		Lay		+ ′	over C	3 4	LN		Spo	ecies		L	ayer	+	Cov 1	er Cla	3	4
1				Т	-	5 6		8	6						S	5	6	7	8	- T
2				Т		+ 1	1 2	3 4	7						S	+	1	2	3	4
						5 6		8								5	6	7	8	
3				Т	-	+ 1 5 6	l 2 3 7	3 4	8						S	5	6	2 7	3 8	4
1				Т		+ 1	1 2	3 4	9						F	+	1	2	3	4
				'	1	5 6		8	3						·	5	6	7	8	
5				S	;	+ 1 5 6	1 2 3 7	3 4	10						F	+ 5	1 6	2 7	3 8	4
		N	otes						11							+	1	2	3	4
			otes						11							5	6	7	8	
									12						F	5	1 6	2 7	3 8	4
									13							+	1	2	3	4
									13						<u> </u>	5	6	7	8	
									14						G	+ 5	1 6	2	3 8	4
									4.5							+	1	2	3	4
The sampling are	ea remains	within the whe	eat field and	d there	efore th	ere is	no veg	etation.	15						G	5	6	7	8	
							_			e plants / weeds						+ 5	1 6	2	3 8	4
									Rar	e plants /						+	1	2	3	4
										weeds						5	6	7	8	
										e plants / weeds						+ 5	1 6	2	3 8	4
										e plants /						+	1	2	3	4
										weeds						5	6	7	8	
coregions A0422 Euxine-Colc A1202 Anatolian Co	onifer And D	eciduous Mixed	l Forests					C1.2 C1.6 C2.3 C2.3 E2.7 F5.3 G1.7	2 Perm 3 Temp 3 Perm 5 Temp 1 Perm 3 Pseud 7 Lowla	oorary laked anent non- oorary runn anent mes domaquis and to mon	tats otrophic lakes, ponds and pootidal, slow, smooting waters otrophic pasture tane mediterran	ols oth-flowing v es and afterm ean pine wo	watercours nath-graze odland (ex	d meadow		ne [Pinu	us nig	ra])		
20 cli	sandy clay sandy ay loam	clay clay clay clay clay clay silty clay loan silt loan solution s	80	100					Cove + (<1	er classes:	1 (1-2%),	2 (>2-5%) 7 (>75-95%	3 (>	5-10%) 95-100%)		10-25%	(6)			

						Rec	order		Location				Date (do		1/yy)	
	VEGETATION DEC	GRADA	ATION SU	RVEY FO			ayri Duma	Necmiye	eköy/Merke	z/Bilecik		6		4	1	2021
GOLDER	Start Time/End	d Time				t size		Is plot repres	sentative of				hotos (
UTM E	11:40 UTN	M N	12:10			ha. /. (m)		Yes UTM Zo	one - Datun	No n (NAD)	2	225-28	2(AA); ⁻ Way i	T16-1-T point I I		HD)
741343	4461	1499				17			35T	,				Γ-16		
Ecoregion	EUNIS Ha	bitat ty	ype					Н	labitat Desc	ription						
PA 1202 Anatolian Conifer and Deciduous Forests	G 3.9;	H3 2			Coniferou	IS WO	odland dor	ninated by Cup	ressaceae (or Taxace	eae; Basic	and u	ltra-bas	ic inla	nd clif	fs
Degradation level			n Factors			N	lain degrad	dation factor	Soil	erosion	level		Soil e	rosion	signe	s
, , ,	grazing wood harve		invasive		ers: _		-	-	very high	high	Medium		e soil	weeds		
Low None hu	off-road d Aspect (deg.)	irive	wildfire		Position				Soil type	None		rı	ills Organ	gullies ic matt		dslides
20°-25°	Southeast		crest toe	upper depress	mid level	lov	wer		Clay					5 cm		
					Vegetat											
Tree (T) - Cover Class High S 0 + 1 2 3 4 0	Shrub > 1m (S) - Cover C + 1 2 3	Class 4	Low Shrub	1 2	Cover Class 3 4	0	Forb (F) - 0 + 1	2 3 4	Grass 0 +	(G) - Cove	r Class 3 4	0 0	tal Vege +	tation -	Cover 0 2 3	
5 6 7 8 5	6 7 8		5 6	7 8		5	6 7	8	5 6	7 8		5	6	7 8		·
	ree Layer (≥3 m tall)								inant Unde	rstorey S)			
LN Species Juniperus excelsa		Laye	er +	1 2	3 4	LN	Phillyrea I		ecies		L	ayer	+	Cover	Class 2 3	
1		Т	5	6 7	8	6	yi ca i					S	5	6 7	7 8	
2		Т	+	1 2	3 4	7	Pistacia te	erebinthus				S	+		2 3	
			5 +	6 7 1 2	3 4		Inula hete	rolepis					5 +	6 7	7 8 2 3	
3		Т	5	6 7	8	8						F	5	6 7	7 8	
4		Т	+	1 2	3 4	9	Jasminun	n fruticans				S	+		2 3	
			5 +	6 7 1 2	3 4		Hypericui	n origanifolium	1				5 +	6 7	7 8 2 3	
5		S	5	6 7	8	10	,,,	J. 1				F	5	6 7		
	Notes					11	Thymbra	spicata				F	+		2 3	
						***************************************							5 +	6 7	7 8 2 3	
						12						F	5	6 7	7 8	
						13						G	+		2 3	
													5 +	6 7	7 8 2 3	
						14						G	5	6 7	7 8	
						15						G	+		2 3	
This area is interest	ting in terms of both	n habit	at and flo	ra.		Rar	re plants /	Centaurea sak	ariyaensis 1	?			5 +	6 7	7 8 2 3	
							weeds						5	6 7	7 8	
							re plants / weeds	Aubrieta olym	pica ?				+ 5	1 2	2378	
							re plants /						+		2 3	
							weeds						5		7 8	
							re plants / weeds						+ 5		2 3 7 8	
													ð	6 7	7 8	
Ecoregions							tural Habit									
PA0422 Euxine-Colchic Broadleaf Fores PA1202 Anatolian Conifer And Deciduo					C1.6	Tem	porary lakes	otrophic lakes, p s, ponds and pod	ols							
					C2.5	Tem	porary runn									
. 					F5.3	Pseu	domaquis	otrophic pasture		_						
Soil Type								tane mediterrand] woodland sout	-	-	cluding bla	ack pin	ne [Pinu	s nigra])	
90 10	~															
70	20 30															
60 clay	40															
sandy	silty clay 60															
do clay clay loam	silty clay loam 70															
clay loam	sur Loan					Cov	er classes:									
sandy loam	silt loam 90	00				+ (<		1 (1-2%),	2 (>2-5%)	3 (>	5-10%)	4 (>	10-25%)		
100 90 80 70 60 50 percent sand	40 30 20 10 0					5 (>2	25-50%)	6 (>50-75%)	7 (>75-95%	%) 8 (>	95-100%)					

	VEGETATION DE		N OUDV	EV EQI	214	Rec	order		Location			ı	Date (d	d/mmm	/yy)	
	VEGETATION DE				Prof.		layri Duma		eşe/Merkez		0	6		4		021
GOLDER	Start Time/En	09:				size ha.		Is plot repres	sentative of	No				(Start - T17-1-T		4D)
UTM E		M N	10		Elev	v. (m)		UTM Zo	one - Datur	n (NAD)		147-10		point IE		10 <i>)</i>
750317		3150			1	17			35T					T-17		
Ecoregion	EUNIS Ha	abitat type						н	abitat Desc	cription						
PA 1202 Anatolian Conifer an Deciduous Forests		3.7				Low	rland to mo	ntane mediterra	anean Pinu	is woodla	nd (exclu	ding P	inus ni	gra)		
Degradation level very high high Medium	overgrazing wood harve	adation Fac	asive sp.	Othe	ers:	N		dation factor arvesting	Soi very high	l erosion high	level Medium	har	Soil e	erosion weeds		5
Low None	hunting off-road		ildfires	+				ŭ	Low	None	Median		ills	gullies		Islides
Slope (deg.)	Aspect (deg.)		:	Slope I	Position				Soil type				Organ	nic matt	er (cm)
20°-25°	Southwest	to		pper press	mid level Vegetati		wer		Sandy Clay	′				10-15 cr	n	
Tree (T) - Cover Class	High Shrub > 1m (S) - Cover (Class Low S	Shrub < 1	m (S) - C	Cover Class			Cover Class	Grass	s (G) - Cove	r Class	To	otal Vege	etation - 0	Cover C	lass
0 + 1 2 3 4	0 + 1 2 3	4 0	+ 1	2	3 4	0	+ 1	2 3 4	0 +	1 2	3 4	0	+	1 2	3	4
5 6 7 8	5 6 7 8	5	6 7	8		5	6 7	8	5 6	7 8		5	6	7 8		
LN Spec	Tree Layer (≥3 m tall) ies	Layer	С	over C	lass	LN			inant Unde	erstorey S		3m tall .ayer)	Cover	Class	
Pinus brutia		Т	+ 1	2	3 4	6	Phillyrea					S	+	1 2		4
		1	5 6		8	J	F						5	6 7	8	
2		Т	+ 1 5 6	2 7	3 4 8	7	Juniperus	oxycedrus				S	+ 5	1 2 6 7	8	4
3		Т	+ 1	2	3 4	8	Globularia	a trichosantha				F	+	1 2	3	4
		1	5 6	7	8		01						5	6 7	8	
4		Т	+ 1 5 6	2 7	3 4 8	9	Olea euro	paea				S	5	1 2 6 7	3 8	4
5		S	+ 1	2	3 4	10	Asparagu	s acutifolius				F	+	1 2		4
3		3	5 6	7	8	10						Г	5	6 7	8	
	Notes					11	Muscari n	eglectum				F	5	1 2 6 7	3 8	4
						12						F	+	1 2		4
						12						<u> </u>	5	6 7	8	
						13	Dactylis g	lomerata				G	+ 5	1 2	3 8	4
						4.4	Stipa broi	noides					+	1 2		4
						14						G	5	6 7	8	
						15						G	+ 5	1 2 6 7	3 8	4
Pinus brutia forests	s in this area are under a	nthropogei	nic pres	sure.		Rai	re plants /						+	1 2		4
							weeds						5	6 7	8	
							re plants / weeds						+ 5	1 2 6 7	3 8	4
						Rai	re plants /						+	1 2		4
							weeds						5	6 7	8	
							re plants / weeds						+ 5	1 2 6 7		4
													J	0 /	0	
Ecoregions							atural Habit		·							
PA0422 Euxine-Colchic Broadleaf PA1202 Anatolian Conifer And De					C1.6	Tem	porary lake:	otrophic lakes, pos s, ponds and poc	ols							
					C2.5	Tem	porary runn		_							
Sail Tuna					F5.3	Pseu	ıdomaquis	otrophic pastures		_			ID:			
Soil Type	•							tane mediterrane] woodland south	-	-	cluding bi	аск ріг	ne (Pint	is nigraj		
90	10															
70	30															
60	elay 40															
sandy	silty 60															
40 clay	clay loam 70															
clay loam	vam silt loam					Cov	er classes:									
sandy loam	silt loam 90	00				+ (<			2 (>2-5%)	3 (>	5-10%)	4 (>	10-25%)		
100 90 80 70 60 perc	50 40 30 20 10 0 ent sand					5 (>2	25-50%)	6 (>50-75%)	7 (>75-95%	%) 8 (>	95-100%)					

	FRESHWATER DEGR	ADATION SURVEY		Recorder		Location			(dd/mmm/yy	y)
	Start Time/End Ti	ime (24-hr.)	•	Dr. Aydın Akbulu size		ca/Bandırma/Bursa sentative of vegeta	ition ?		7/04/2021 s (Start - En	ıd)
GOLDER	19:05	19:20	11		Yes	No			897-917	.~,
UTM E	UTM N		Elev	. (m)	UTM Z	one - Datum (NAD)			aypoint ID	
589128	445925		3	2		35T			F-1	
Ecoregion	EUNIS Habita	at type			Н	abitat Description				
Th /5				P	ermanent non-ti	dal, smooth-flowir	ng watercou	ırses		
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Types)	C2.3									
Degradation level		tion Factors	Others:		dation factor ution	Soil erosic			il erosion sig	gnes
very high high Medium Low None	erosion sedimentation fishing gravel collection	/ invasive sp.	Agriculture	1 311	adon	very high high		m bare soil rills	weeds gullies	landslides
	0	,	River co	nditions					0	
River name	Site survey from		high water level	Is the bed of	Barely or not	Are adverse conditions				
Sığırcı Stream	left bank right bank	Water level	dry river	the river visible?	Partially About entirely	affecting survey?		-		
	PREDOMINANT VALLEY F	ORM (within the ho	·		About chinery	Survey.	BANK	S PROFILES		
(tick one box only)		\					L = Left Ba	nk; R= Right	Bnk	
	shallow vee		/ [concave/bo	wl	Natural/unm	odified		L	R
						Vertical/undero	ut	<u></u>	<u> </u>	
	deep vee	1		asymmetric	al valley	Vertical with to	e	<u> </u>		
	,,			U-shape val	ley	Steep (>45°)		\ww		
			<i></i>			Gentle Composite				
	gorge			no obvious	valley sides	Natural berm			_	
			FLOW	TYPES					'	ı
Indicate one or more flow types from	the below: SM PD					Percentage				
_				-		Riffle(s): 40 %				
	DESCRIPTION clearly separates from back	wall of vertical feat	ture ~ associated	d with waterfalls		Pool(s): 50 %				
	low curving fall in contact v				,	Bar(s): 10 %				
BW: Broken standing waves		-	-	-						
UW: Unbroken standing waves CF: Chaotic flow	upstream facing wavelets w a chaotic mixture of three o									
	one obvious			-						
	no waves, but general flow mostly associated with runs	5			іпасе ∼					
UP: Upwelling	heaving water as upwelling									
SM: Smooth										
	perceptible downstream massociated with glides	ovement is smooth	(no eddies) ~ n	nostly	ı					
NP: No perceptible flow	perceptible downstream massociated with glides no net downstream flow ~ a deadwater	ovement is smooth	(no eddies) ~ n	nostly	I					
NP: No perceptible flow	perceptible downstream massociated with glides	ovement is smooth	(no eddies) ~ n	nostly	l 					
NP: No perceptible flow	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed	ovement is smooth	(no eddies) ~ n	nostly nes and margina	I		Ri	ght Bank		
NP: No perceptible flow DR: No flow (dry)	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed	ovement is smooth	(no eddies) ~ n	nostly nes and margina			Ri	ght Bank		
NP: No perceptible flow DR: No flow (dry)	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed	ovement is smooth ssociated with pool River substrate:	(no eddies) ~ no e	nostly nes and margina TTRIBUTES Bed		Material: NV				
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream meassociated with glides no net downstream flow ~a deadwater dry river bed nk le= CO; sand=SA; earth=EA)	River substrate: (Not visible= NV ;	(no eddies) ~ no e	nostly nes and margina TTRIBUTES Bed bble= CO; sand=	- SA ; earth=EA)	(Not visible= NV ; b	edrock= BE	; cobble= CO		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream meassociated with glides no net downstream flow ~a deadwater dry river bed nk le= CO; sand=SA; earth=EA)	ovement is smooth ssociated with pool River substrate:	(no eddies) ~ no e	nostly nes and margina TTRIBUTES Bed bble= CO; sand=	- SA ; earth=EA)		edrock= BE	; cobble= CO		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream meassociated with glides no net downstream flow ~a deadwater dry river bed nk le= CO; sand=SA; earth=EA)	River substrate: (Not visible= NV ;	NV_bedrock= BE; co	nostly nes and margina TTRIBUTES Bed bble= CO; sand=	- SA ; earth=EA)	(Not visible= NV ; b	edrock= BE	; cobble= CO		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~adeadwater dry river bed nk le= CO; sand=SA; earth=EA)	River substrate: (Not visible= NV ;	(no eddies) ~ no e	nostly nes and margina TTRIBUTES Bed bble= CO; sand=	- SA ; earth=EA)	(Not visible= NV ; b	edrock= BE idth: 5 m	; cobble= CO		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~adeadwater dry river bed nk le= CO; sand=SA; earth=EA)	River substrate: (Not visible= NV ; River bed width:	NV_bedrock= BE; co	nostly nes and margina TTRIBUTES Bed bble= CO; sand=	- SA ; earth=EA)	(Not visible= NV ; b	edrock= BE idth: 5 m	; cobble= CO		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed nk le= CO; sand=SA; earth=EA) Vegeta	River substrate: (Not visible= NV; River bed width:	NVbedrock= BE; co	nes and margina ATTRIBUTES Bed Beble= CO; sand=	•SA; earth=EA)	(Not visible= NV; be Bank vegetation we TREES (tick	edrock= BE idth: 5 m	; cobble= CO ence of trees er bank)		,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed nk le= CO; sand=SA; earth=EA) Vegeta	River substrate: (Not visible= NV; River bed width:	NVbedrock= BE; co	nes and margina ATTRIBUTES Bed Bed EGETATION vegetation bry	types	(Not visible= NV ; b	edrock= BE idth: 5 m Prese one box p	; cobble= CO ence of trees er bank)	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed le= CO; sand=SA; earth=EA) Vegeta bare earth/ro predominant	River substrate: (Not visible= NV; River bed width:	NVbedrock= BE; co	nostly nes and margina ATTRIBUTES Bed Bed Cobble= CO; sand= Cobb	•SA; earth=EA)	(Not visible= NV; b Bank vegetation with TREES (tick None Isolated/scatte Regularly space	Prese one box pered	rce of trees er bank) Left	Right	•
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed le= CO; sand=SA; earth=EA) Vegeta bare earth/ro predominant	River substrate: (Not visible= NV; River bed width:	NVbedrock= BE; co	nostly nes and margina TTRIBUTES Bed Bed EGETATION vegetation vegetation bry vegetation tall	types ophytes ort/creeping bs or grasses herbs/	(Not visible= NV; b Bank vegetation with TREES (tick None Isolated/scatte Regularly space Occasional clu	Prese one box p ered ced, single	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed le= CO; sand=SA; earth=EA) Vegeta bare earth/ro predominant	River substrate: (Not visible= NV; River bed width:	NVbedrock= BE; co	nostly nes and margina TTRIBUTES Bed Selection vegetation vegetation bry vegetation tall gra	types ophytes ort/creeping bs or grasses herbs/ sses	(Not visible= NV; b Bank vegetation with TREES (tick None Isolated/scatte Regularly space	Prese one box p ered ced, single	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV_ (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m L = Left Bank; R= Right Bnk bare B uniform U vvvvv Simple S	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed le= CO; sand=SA; earth=EA) Vegeta bare earth/ro predominant	River substrate: (Not visible= NV; River bed width: ation Types ock etc. ly one type (no scruvegetation types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Sobble= CO; sand= Sobble= CO; san	types ophytes ort/creeping bs or grasses herbs/ sses	(Not visible= NV; be Bank vegetation with Bank vege	Prese one box p ered ced, single	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed NK Vegeta bare earth/re predominant two or three	River substrate: (Not visible= NV; River bed width: ation Types ock etc. ly one type (no scruvegetation types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Sobble= CO; sand= Sobble= CO; san	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs	(Not visible= NV; be Bank vegetation with Bank vege	Prese one box p ered ced, single	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed NK Vegeta bare earth/re predominant two or three	River substrate: (Not visible= NV; River bed width: ation Types ack etc. ly one type (no scruvegetation types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Selection Vegetation Vegetation Tall gra Scrip Sap	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs	(Not visible= NV; be Bank vegetation with Bank vege	Prese one box p ered ced, single umps ous	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed Negeta Vegeta bare earth/re predominant two or three four or more	River substrate: (Not visible= NV; River bed width: ation Types ack etc. ly one type (no scruvegetation types types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Selection Vegetation Vegetation Tall gra Scrip Sap	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs	(Not visible= NV; be Bank vegetation with the second second cluster) Semi-continuous	Prese one box p ered ced, single umps ous	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed Negeta Vegeta bare earth/ro predominant two or three four or more	River substrate: (Not visible= NV; River bed width: ation Types ack etc. ly one type (no scruvegetation types types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Selection Vegetation Vegetation Tall gra Scrip Sap	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs	(Not visible= NV; be Bank vegetation with the second second cluster) Semi-continuous	Prese one box p ered ced, single umps ous	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV_ (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m L = Left Bank; R= Right Bnk bare B uniform U simple S complex CONNECTIC Specif	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed Negeta Vegeta bare earth/ro predominant two or three four or more	River substrate: (Not visible= NV; River bed width: ation Types ack etc. ly one type (no scruvegetation types types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Selection Vegetation Vegetation Tall gra Scrip Sap	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs	(Not visible= NV; be Bank vegetation with the second second cluster) Semi-continuous	Prese one box p ered ced, single umps ous	rce of trees er bank) Left	Right	,
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed bare earth/ro predominant two or three four or more on with any other river on the presence/absence and	River substrate: (Not visible= NV; River bed width: ation Types ack etc. ly one type (no scruvegetation types types	NVbedrock= BE; co	res and marginal ATTRIBUTES Bed Sobble CO; sand Sobble Sobole So	types ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs lings and	(Not visible= NV; be Bank vegetation with the second second cluster) Semi-continuous	Prese one box p ered ced, single umps ous	ence of trees er bank) Left	Right	
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m L = Left Bank; R= Right Bnk bare B uniform UVVVV simple S complex CONNECTIC Specif	perceptible downstream massociated with glides no net downstream flow ~a deadwater dry river bed Negeta Vegeta bare earth/ro predominant two or three four or more	River substrate: (Not visible= NV; River bed width: ock etc. ly one type (no scruvegetation types types R/WETLAND of type	NVbedrock= BE; co	The bank ve	stypes ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs lings and es	(Not visible= NV; bank vegetation will TREES (tick None Isolated/scatte Regularly space Occasional clus Semi-continue Continuous Note	Prese one box p ered ced, single umps ous	cobble= CO Ince of trees er bank) Left Ince of trees	Right	
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV_ (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m L = Left Bank; R= Right Bnk bare	perceptible downstream massociated with glides no net downstream flow ~ a deadwater dry river bed Negeta bare earth/ro predominant two or three four or more ON WITH ANY OTHER RIVER by the presence/absence and	River substrate: (Not visible= NV; River bed width: oution Types ock etc. ly one type (no scruvegetation types types R/WETLAND outfalls, bridges)?	NVbedrock= BE; co	The bank ve	stypes ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs lings and es	(Not visible= NV; be Bank vegetation with Bank vege	Prese one box p ered ced, single umps ous	cobble= CO Ince of trees er bank) Left Ince of trees	Right	
NP: No perceptible flow DR: No flow (dry) Left Ba Material: NV_ (Not visible= NV; bedrock= BE; cobb Bank vegetation width: 4 m L = Left Bank; R= Right Bnk bare	perceptible downstream massociated with glides no net downstream flow ~ adeadwater dry river bed bare earth/ro predominant two or three	River substrate: (Not visible= NV; River bed width: oution Types ock etc. ly one type (no scruvegetation types types R/WETLAND outfalls, bridges)?	NVbedrock= BE; co	The bank ve	stypes ophytes ort/creeping bs or grasses herbs/ sses ub or shrubs lings and es	(Not visible= NV; be Bank vegetation with Bank vege	Prese one box p ered ced, single umps ous	cobble= CO Ince of trees er bank) Left Ince of trees	Right	

	FRESHWATER DEGRA	DATION SURVEY		Recorder		Location		ld/mmm/yy)	
	Start Time/End Tin	ne (24-hr.)		Dr. Aydın Akbulu size		/Karacabey/Bursa entative of vegetatio		04/2021 (Start - End)
GOLDER	16:08	16:20	1 h		Yes	No		57-766	,
UTM E	UTM N		Elev	. (m)	UTM Zo	one - Datum (NAD)		point ID	
614358	4455785		1	0		35T		F-2	
Ecoregion	EUNIS Habitat	type			H	abitat Description			
Th (5				F	Permanent non-ti	dal, smooth-flowing v	watercourses		
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Types)	C2.3								
Degradation level very high high Medium	Degradat erosion sedimentation	invasive sp.	Others:		dation factor ution	Soil erosion I very high high	evel Soil Medium bare soil	erosion sigr	nes
Low None	fishing gravel collection	invasive sp.	Agriculture			very high high Low None	rills		andslides
			River co	nditions					
River name	Site survey from	- I	high water level	Is the bed of	Barely or not	Are adverse conditions			
Karaçay —	left bank right bank	Water level	dry river	the river visible?	Partially About entirely	affecting survey?	-		
	PREDOMINANT VALLEY FO	ORM (within the ho	·		, moon on one	our cy i	BANKS PROFILES		
(tick one box only)		\				L	= Left Bank; R= Right B	nk	_
	shallow vee		/ 📮	concave/bo	wl	Natural/unmod	ified	L	R
		-11.				Vertical/undercut			
	deep vee	1		asymmetrica	al valley	Vertical with toe	<u> </u>		
_	-			U-shape val	ey	Steep (>45°) Gentle			
			, <u> </u>	_		Composite			
	gorge			no obvious	valley sides	Natural berm			
			FLOW	TYPES					
Indicate one or more flow types from t	he below: RP, SM					Percentage			
FLOW-TYPES I	DESCRIPTION					Riffle(s):70%			
	learly separates from back-v	vall of vertical feat	ture ~ associated	d with waterfall:	s	Pool(s):30%			
	ow curving fall in contact w					Bar(s):_%			
BW: Broken standing waves v UW: Unbroken standing waves u		-	-	-					
CF: Chaotic flow	chaotic mixture of three or		-						
RP: Rippled r	one obvious no waves, but general flow o	lirection is downs	tream with dist	urbed rippled si	urface ~				
r	nostly associated with runs leaving water as upwellings								
SM: Smooth	erceptible downstream mo								
NP: No perceptible flow	ssociated with glides o net downstream flow~as	sociated with pool	ls, ponded reach	nes and margina	al				
	leadwater Iry river bed								
				ATTRIBUTES					
Left Ban	k		Rive	r Bed			Right Bank		
Material: NV									
(Not visible= NV ; bedrock= BE ; cobble	e= CO; sand=SA; earth=EA)	River substrate: (Not visible= NV ;		obble= CO ; sand=		Material: NV (Not visible= NV ; bedi	rock= BE; cobble= CO; s	 sand= SA ; ea	rth= EA)
Bank vegetation width: 5 m		River bed width:	8 m			Bank vegetation width	: 2 m		_
			BANKTOP V	EGETATION					
L = Left Bank; R= Right Bnk	Vegetat	on Types					Presence of trees		
bare B	bare earth/roo	k etc.	ı	vegetatio	n types	TREES (tick on	-	ght	
uniform U	predominantly	one type (no scr	ub or trees)		ophytes	None		j	
	I				ort/creeping	Isolated/scattere		7	
				ha		Regularly spaced			
simple S	two or three v	egetation types		hei	bs or grasses	Regularly spaced Occasional clum	ps 🔲	<u> </u>	
simple S	two or three v	egetation types		hei tall gra	bs or grasses herbs/ sses	Occasional clum Semi-continuous	ps 🔲 📮		
				hei tall gra	bs or grasses herbs/	Occasional clum	ps 🔲 📮		
simple S	four or more t			tall grades screen	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous	ps 🔲 📮		
simple S complex complex	four or more t	ypes		tall gra	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous Continuous	ps 🔲 📮		
simple S complex CONNECTIO		ypes WETLAND		tall grades screen	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous	ps 🔲 📮		
simple S complex CONNECTIO Specify	four or more to	ypes WETLAND		tall grades screen	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous Continuous	ps 🔲 📮		
complex CONNECTIO Specify Left side:	four or more to	ypes WETLAND		tall grades screen	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous Continuous	ps 🔲 📮		
simple S complex CONNECTIO Specify	four or more to	ypes WETLAND		tall grades screen	bs or grasses herbs/ ssses ub or shrubs olings and	Occasional clum Semi-continuous Continuous	ps 🔲 📮		
complex CONNECTIO Specify Left side: Right side:	four or more to a second of the presence/absence and a second of the presence and a second of the second of the presence and a second of the presence and a secon	ypes WETLAND type		tall grades scription saptive.	herbs/ isses ub or shrubs olings and es	Occasional clum Semi-continuous Continuous Notes	ps 🔲 📮		
complex CONNECTIO Specify Left side: Right side: Is there any artificia	four or more to a second of the presence/absence and	ypes WETLAND type		tall grades scription saptive.	herbs/ isses ub or shrubs olings and es	Occasional clum Semi-continuous Continuous Notes	ps C		
complex CONNECTIO Specify Left side: Right side: Is there any artificia	four or more to a second of the presence and	ypes WETLAND type		tall grades scription saptive.	herbs/ isses ub or shrubs olings and es	Occasional clum Semi-continuous Continuous Notes	ps C		

	FRESHWATER DEGRA	DATION SURVE	Y FORM	Recorder		Location		Date ((dd/mmm/y)	y)
	Chart Time / Fred Time	00 (24 hr.)		Dr. Aydın Akbul		/Karacabey/l			7/04/2021	-d\
GOLDER	Start Time/End Tin	<u> </u>		t size ha.	Is plot repres	sentative of	No		s (Start - En	ia)
UTM E	15:30 UTM N	15:50		v. (m)		one - Datum			757-766 aypoint ID	
618703	4456390			10		35T			: 3	
Ecoregion	EUNIS Habitat	type			Н	abitat Descı	ription		_	
Thrace (Ecoregion ID:423-The					Permanent non-tion	dal, smooth	-flowing water	courses		
Freshwater Major Habitat Types) Degradation level	C2.3	ion Factors		Main door	adation factor	Soil	erosion level	Soi	l erosion sig	anos
very high high Medium	erosion sedimentation		Others:		Ilution	very high		edium bare soil	weeds	gnes
Low None	fishing gravel collection	·	Agriculture			Low	None	rills	gullies	landslides
			River c	onditions						
River name	Site survey from		high water leve	Is the bed of	Barely or not	Are adver				
Kocaçay ——	left bank	Water level	low water level	the river visible?	Partially	affecting	g	-		
	right bank PREDOMINANT VALLEY FO	PM (within the h	dry river		About entirely	survey?		NKS PROFILES		
(tick one box only)	FREDOMINANT VALLETT	okw (within the h	ionzon mint)					t Bank; R= Right	Bnk	
	shallow vee			concave/bo	wl	Natural	/unmodified		L	R
	stidilow vee		_	concave, be		Vertical/	-	<u> </u>		
		1,		asymmetric	al valley	Vertical v	with toe			
	deep vee	_				Steep (>4	45°)			
				U-shape va	ley	Gentle	-			
			_			Composi	ite		,	
	gorge			no obvious	valley sides	Natural l	berm -		-	
			FLOW	/ TYPES						
Indicate one or more flow types from the	ne below: SM					Percentage)			
						Riffle(s):70	%			
	PESCRIPTION learly separates from back-v	vall of vertical fea	ature ~ associate	ad with waterfal	ls.	Pool(s):30%	%			
	ow curving fall in contact w				15	Bar(s):_%				
BW: Broken standing waves w	hite-water tumbling waves	must be present	~ mostly assoc	ciated with rapi	ds					
UW: Unbroken standing waves u			-							
	chaotic mixture of three or ne obvious	more of the fou	r fast flow-types	s with no predo	minant					
	o waves, but general flow on ostly associated with runs	lirection is down	stream with dis	turbed rippled s	urface ~					
	eaving water as upwellings	break the surface	e ~ associated w	vith boils.						
	erceptible downstream mo ssociated with glides	vement is smoot	h (no eddies) ~	mostly						
NP: No perceptible flow n	o net downstream flow ~ as: eadwater	sociated with poo	ols, ponded read	ches and margin	al					
	ry river bed									
			PHYSICAL	ATTRIBUTES						
Left Ban	(Rive	er Bed				Right Bank		
Material: NV (Not visible= NV ; bedrock= BE ; cobble	= CO; sand=SA; earth=EA)	River substrate:		achble= CO: cons		Material: N		PEr schilo- CO:		orth—EA)
Bank vegetation width: 5 m	•	(Not visible= NV			,	•	·	BE; cobble= CO;		,
		River bed width:	60 m			Bank vegeta	ation width: 5 m	•		
		-	BANKTOP	VEGETATION						
L = Left Bank; R= Right Bnk	Vegetat	on Types						esence of trees		
bare B	bare earth/roo	k etc.		vegetatio	n types	TREES	(tick one bo		ight	
uniform U	predominantly	one type (no sci	rub or trees)	лите br	yophytes	None				
					ort/creeping		/scattered			
simple S	two or three v	egetation types		WIII to	rbs or grasses		ly spaced, sing nal clumps	gie 🔲		
· · · · · · · · · · · · · · · · · · ·					l herbs/ asses		ontinuous	፱	₫	
203111111111111111111111111111111111111				my sc	rub or shrubs	Continu	ious			
complex	four or more t	ypes		(5)	plings and					
III vi and					ees					
CONNECTION	WITH ANY OTHER RIVER	WETLAND					Notes			
Specify	the presence/absence and	type								
Left side:										
										
Right side:										
				This station:	s located after the	Confluence	of Kassass s	nd Sucurbuk Blad	are Itica	Ver with a
	ARTIFICIAL FEATURES	utfalla la	2	This station i	s located after the very large flow			nd Susurluk Rive g riparian vegeta		ver with a
	ARTIFICIAL FEATURES object (e.g. weirs/sluices, o	outfalls, bridges)	?	This station i						ver with a
	object (e.g. weirs/sluices, o	outfalls, bridges)	?	This station i						ver with a
	object (e.g. weirs/sluices, o	outfalls, bridges)	?	This station i						ver with a

	FRESHWATER DEGRA	DATION SURVEY		Recorder		Location	Date (dd/mmm/yy)
	Start Time/End Tim	ne (24-hr.)		Dr. Aydın Akbulut size	Ť	r/Karacabey/Bursa entative of vegetation ?	07/04/2021 Photos (Start - End)
GOLDER	14:51	15:10	1 1		Yes	No	714-729
UTM E	UTM N		Elev	. (m)	UTM Zo	one - Datum (NAD)	Waypoint ID
623136	4460211		2	2		35T	F_4
Ecoregion	EUNIS Habitat	type			Н	abitat Description	
Thursday (Facus view ID: 400 The					Temp	orary running waters	
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Types)	C2.5						
Degradation level very high high Medium	erosion sedimentation	on Factors invasive sp.	Others: _	Main degrad	lation factor	Soil erosion level very high high Me	Soil erosion signes edium bare soil weeds
very high high Medium Low None	fishing gravel collection		_			very high high Me	rills gullies landslides
			River co	nditions			
River name	Site survey from	<u> </u>	high water level	Is the bed of	Barely or not	Are adverse conditions	
Hayırlar Stream ——	left bank right bank	Water level	dry river	the river visible?	Partially About entirely	affecting survey?	-
	PREDOMINANT VALLEY FO	RM (within the h	•		, moon on mony	,	NKS PROFILES
(tick one box only)		\				L = Left	Bank; R= Right Bnk
	shallow vee		/ 🗖	concave/bov	/I	Natural/unmodified	L R
		-1:	. [1]			Vertical/undercut	l C
	deep vee	1		asymmetrica	l valley	Vertical with toe	h
_				U-shape valle	ey	Steep (>45°) Gentle	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			, <u> </u>			Composite	
	gorge		🖳	no obvious v	alley sides	Natural berm	
			FLOW	TYPES			
Indicate one or more flow types from the	ne below: RP					Percentage	
FLOW-TYPES D	ESCRIPTION					Riffle(s): 70%	
	early separates from back-w	vall of vertical fea	ture ~ associated	d with waterfalls		Pool(s):30%	
	w curving fall in contact wi					Bar(s):-%	
BW: Broken standing waves w UW: Unbroken standing waves u		-	-	-			
CF: Chaotic flow a	chaotic mixture of three or		-				
RP: Rippled ne	ne obvious o waves, but general flow d	lirection is downs	stream with dist	urbed rippled su	rface ~		
	nostly associated with runs eaving water as upwellings	break the surface	e ~associated wi	th boils.			
SM: Smooth p	erceptible downstream mov ssociated with glides						
NP: No perceptible flow	o net downstream flow ~ ass	sociated with poo	ls, ponded reach	nes and marginal			
	eadwater						
	ry river bed						
				TTRIBUTES			
Left Bank				TTRIBUTES			Right Bank
Left Bank Material: NV		Diverse	Rive			Materials NW	Right Bank
		River substrate: (Not visible= NV ;	River	r Bed		Material: NV (Not visible= NV ; bedrock=	Right Bank BE; cobble= CO; sand=SA; earth=EA)
Material: NV	= CO; sand=SA; earth=EA)		NV_ bedrock= BE; co	bble= CO ; sand=	SA; earth=EA)	(Not visible= NV ; bedrock=	
Material: NV (Not visible= NV ; bedrock= BE ; cobble	= CO; sand=SA; earth=EA)	(Not visible= NV;	NV_ bedrock= BE; co	bble= CO ; sand=	SA; earth=EA)	(Not visible= NV ; bedrock=	BE; cobble= CO; sand=SA; earth=EA)
Material: NV (Not visible= NV ; bedrock= BE ; cobble	= CO; sand=SA; earth=EA)	(Not visible= NV;	NV_ bedrock= BE; co	r Bed obble= CO ; sand=	SA; earth=EA)	(Not visible= NV ; bedrock=	BE; cobble= CO; sand=SA; earth=EA)
Material: NV (Not visible= NV ; bedrock= BE ; cobble Bank vegetation width: 3m	= CO; sand=SA; earth=EA)	(Not visible= NV;	NV_ bedrock= BE; co	r Bed obble= CO ; sand=	SA; earth=EA)	(Not visible= NV; bedrock= Bank vegetation width: 3m.	BE; cobble= CO; sand=SA; earth=EA) esence of trees
Material: NV (Not visible= NV ; bedrock= BE ; cobble	= CO; sand=SA; earth=EA)	(Not visible= NV ; River bed width: on Types	NV_ bedrock= BE; co	r Bed obble= CO ; sand=	SA; earth=EA)	(Not visible= NV ; bedrock= Bank vegetation width: 3m.	BE; cobble= CO; sand=SA; earth=EA) esence of trees
Material: NV	vegetati	(Not visible= NV ; River bed width: on Types	NVbedrock= BE; co	r Bed bble= CO; sand=	SA; earth=EA)	(Not visible= NV; bedrock= Bank vegetation width: 3m. Pro TREES (tick one box None	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV(Not visible= NV; bedrock= BE; cobble Bank vegetation width: 3m L = Left Bank; R= Right Bnk bare B	vegetati	(Not visible= NV ; River bed width: on Types k etc.	NVbedrock= BE; co	vegetation	types ophytes	(Not visible= NV; bedrock= Bank vegetation width: 3m. Pro TREES (tick one box None Isolated/scattered	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc	(Not visible= NV ; River bed width: on Types k etc.	NVbedrock= BE; co	vegetation vegetation brye sho heri	types	(Not visible= NV; bedrock= Bank vegetation width: 3m. Pro TREES (tick one box None	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc	(Not visible= NV ; River bed width: on Types k etc. one type (no scr	NVbedrock= BE; co	vegetation vegetation brye showherl	types ophytes ort/creeping os or grasses herbs/	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three v	(Not visible= NV ; River bed width: on Types k etc. one type (no scr	NVbedrock= BE; co	vegetation vegetation brye sho heri tall grass	types ophytes ort/creeping os or grasses herbs/	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc	(Not visible= NV ; River bed width: on Types k etc. one type (no scr	NVbedrock= BE; co	r Bed bbble= CO; sand= brye vegetation brye xxxx sho herl tall gras xcc sapl	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three vertical predominantly	(Not visible= NV ; River bed width: on Types k etc. one type (no scr egetation types	NVbedrock= BE; co	vegetation vegetation vegetation brye sho herl tall gras	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and	(Not visible= NV; bedrock= Bank vegetation width: 3m. Process TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three v	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes	NVbedrock= BE; co	r Bed bbble= CO; sand= brye vegetation brye xxxx sho herl tall gras xcc sapl	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three v four or more ty	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes	NVbedrock= BE; co	r Bed bbble= CO; sand= brye vegetation brye xxxx sho herl tall gras xcc sapl	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and	(Not visible= NV; bedrock= Bank vegetation width: 3m. Process TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three v four or more ty	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes	NVbedrock= BE; co	r Bed bbble= CO; sand= brye vegetation brye xxxx sho herl tall gras xcc sapl	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and	(Not visible= NV; bedrock= Bank vegetation width: 3m. Process TREES (tick one box None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three vertical presence/absence and services.	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes	NVbedrock= BE; co	r Bed bbble= CO; sand= vegetation vegetation brye sho heri tall gras scru sapi tree	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and s	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box) None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous Notes	esence of trees x per bank) Left Right gle
Material: NV	Vegetati bare earth/roc predominantly two or three v four or more ty I WITH ANY OTHER RIVER/ the presence/absence and	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes WETLAND type	NV_bedrock= BE; co	r Bed bbble= CO; sand= vegetation vegetation brye sho heri tall gras scru sapi tree	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and s	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box) None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous Notes	BE; cobble= CO; sand=SA; earth=EA) esence of trees x per bank) Left Right
Material: NV	Vegetati bare earth/roc predominantly two or three vertical presence/absence and services.	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes WETLAND type	NV_bedrock= BE; co	r Bed bbble= CO; sand= vegetation vegetation brye sho heri tall gras scru sapi tree	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and s	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box) None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous Notes	esence of trees x per bank) Left Right gle
Material: NV	Vegetati bare earth/roc predominantly two or three v four or more ty I WITH ANY OTHER RIVER/ the presence/absence and ARTIFICIAL FEATURES object (e.g. weirs/sluices, o	(Not visible= NV; River bed width: on Types k etc. one type (no scr egetation types ypes WETLAND type	NV_bedrock= BE; co	r Bed bbble= CO; sand= vegetation vegetation brye sho heri tall gras scru sapi tree	types phytes rt/creeping os or grasses herbs/ sses b or shrubs ings and s	(Not visible= NV; bedrock= Bank vegetation width: 3m., Pro TREES (tick one box) None Isolated/scattered Regularly spaced, sing Occasional clumps Semi-continuous Continuous Notes	esence of trees x per bank) Left Right gle

	FRES	HWATER DEGRAI	DATION SURVE		Recorder		Location		Da	te (dd/mmn	
	St	tart Time/End Tim	e (24-hr.)		Dr. Aydın Akbulut t size	Emirleryeni	icesi//Karacab sentative of v	·	Pho	07/04/2021 otos (Start -	
GOLDER		2:24	12:50		ha.	Yes		No		604-632	Liidj
UTM E	1/	UTM N		Elev	/. (m)	UTM Zo	one - Datum	(NAD)		Waypoint I)
638021		4462740			15		35T			F_5	
Ecoregion		EUNIS Habitat	type			Н	abitat Descri	ption			
					P	ermanent non-ti	dal. smooth-	flowing wate	courses		
Thrace (Ecoregion ID:423-Th Freshwater Major Habitat Type		C2.3					,				
Degradation level			on Factors		Main degrad	lation factor	Soil	erosion level		Soil erosion	signes
very high high Medium	erosion	sedimentation	invasive sp.	Others: Agriculture	Agric	ulture	very high	high Me	edium bare s		_
Low None	fishing	gravel collection	pollution	Divor of	nditions		Low	None	rills	gullie:	s landslides
River name	Site su	ırvey from		high water level	onditions	Barely or not	Are advers	se			
		t bank	Water level	low water level	Is the bed of the river	Partially	condition affecting	s		_	
Nilüfer Stream	righ	nt bank		dry river	visible?	About entirely	survey?				
	PREDOMIN	NANT VALLEY FO	RM (within the I	norizon limit)					NKS PROFIL t Bank; R= Riç		
(tick one box only)	L	`								упсык Г.	
	shallow ve	e	.,	/ -	concave/bov	vI		unmodified) L	R
			<i></i>		asymmetrica	Lyalley	Vertical/u Vertical w			····	
	deep vee				asymmetrica	. raney	Steep (>4				
					U-shape valle	ey	Gentle				
	L			_	L		Composit	e .		····	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	gorge				no obvious v	alley sides	Natural b	erm -			
				FLOW	TYPES						
Indicate one or more flow types fro	m the below: U	W, RP, SM					Percentage				
FLOW-TYPES	DESCRIPT						Riffle(s):80%	6			
FF: Free fall		rates from back-w	all of vertical fe	ature ~ associate	d with waterfalls		Pool(s):20%				
CH: Chute		fall in contact wit					Bar(s):_%				
BW: Broken standing wave			-	-	-						
UW: Unbroken standing wave CF: Chaotic flow	•	cing wavelets whi ixture of three or									
	one obvious	S			-						
RP: Rippled		out general flow di ciated with runs	irection is down	stream with dist	urbea rippiea su	пасе ~					
UP: Upwelling SM: Smooth		ter as upwellings l									
	associated w										
NP: No perceptible flow	no net dowr deadwater	nstream flow ~ ass	ociated with po	ols, ponded reac	hes and marginal						
DR: No flow (dry)	dry river bed	d		PHYSICAL	ATTRIBUTES						
Left E	Bank				r Bed				Right Bank		
Material: NV (Not visible= NV ; bedrock= BE ; co	able= CO: sand	_ - 	River substrate:	NV			Material: NV	,			
		,	(Not visible= NV	; bedrock= BE ; co	obble= CO ; sand=	SA: earth=EA)	/Nlot violblo-				
Bank vegetation width: 6 m						- i, - i, - i,	(Not visible=	NV; bedrock=	BE; cobble= (CO; sand=SA	\ ; earth= EA)
			River bed width:	40 m		,	,	·	BE; cobble= 0	·	,
			River bed width:	40 m		,	,	·	•	·	,
					EGETATION	,	,	tion width: 4 n	n		,
L = Left Bank; R= Right Bnk			River bed width:			,	Bank vegeta	tion width: 4 n	resence of tree		,
	В		on Types				Bank vegeta	tion width: 4 n	resence of tree		,
bare uniform	B U	Vegetatio	on Types k etc.	BANKTOP V	EGETATION vegetation		TREES None	tion width: 4 n	resence of treex x per bank)	es	,
bare		Vegetation	on Types k etc.	BANKTOP V	vegetation بسس brye	types ophytes rt/creeping	TREES None Isolated/	Pr (tick one bo	resence of tree x per bank) Left	es	,
uniform		Vegetation	on Types k etc. one type (no sc	BANKTOP V	vegetation بسست brye عنامی sho heri	types ophytes rt/creeping os or grasses	TREES None Isolated/Regularly	tion width: 4 n	resence of tree x per bank) Left	es	,
bare uniform vvv vv simple	U	Vegetation bare earth/rock predominantly	on Types k etc. one type (no sc	BANKTOP V	vegetation vegetation brye vegetation brye vegetation	types ophytes rt/creeping os or grasses herbs/	TREES None Isolated/ Regularly Occasion Semi-con	Proceed, single clumps attinuous	resence of tree x per bank) Left	es	,
bare uniform vvvlvv simple	U	Vegetation bare earth/rock predominantly	on Types k etc. one type (no sc	BANKTOP V	vegetation vegetation brye vegetation brye vegetation tall grass	types ophytes rt/creeping os or grasses herbs/	TREES None Isolated/ Regularly Occasion	Proceed, single clumps attinuous	resence of tree x per bank) Left	es	,
uniform vvv vv simple complex	U	Vegetation bare earth/rock predominantly	on Types k etc. one type (no sc egetation types	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation brye vegetation shother tall grass scru sapi	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed, single clumps attinuous	resence of tree x per bank) Left	es	,
uniform vvv vv simple complex	S	bare earth/rock predominantly two or three ve	on Types k etc. one type (no sc egetation types	BANKTOP V	vegetation vegetation vegetation brye vegetation tall gras	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed, single clumps attinuous	resence of tree x per bank) Left	es	,
bare uniform vvvvv simple complex complex	ION WITH ANY	bare earth/rock predominantly two or three very	on Types k etc. one type (no so	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation brye vegetation shother tall grass scru sapi	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed, single clumps attinuous	resence of tree x per bank) Left	es	,
bare uniform vvvvv simple complex complex	ION WITH ANY	bare earth/rock predominantly two or three ve	on Types k etc. one type (no so	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation brye vegetation shother tall grass scru sapi	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed states of the second o	resence of tree x per bank) Left	es	,
bare uniform vvvvv simple complex complex	ION WITH ANY	bare earth/rock predominantly two or three very	on Types k etc. one type (no so	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation brye vegetation shother tall grass scru sapi	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed states of the second o	resence of tree x per bank) Left	es	,
bare uniform vvvvv simple complex CONNECT Spe	ION WITH ANY	bare earth/rock predominantly two or three very	on Types k etc. one type (no so	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation brye vegetation short herl stall grass scru sapl	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con	Proceed states of the second o	resence of tree x per bank) Left	es	,
bare uniform vvvvv simple complex CONNECT Spe	ION WITH AN	bare earth/rock predominantly two or three very	on Types k etc. one type (no so	BANKTOP V	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation sho herl fall gras scru sapl tree	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs	TREES None Isolated/ Regularly Occasion Semi-con Continue	Proceed (tick one books scattered y spaced, sinual clumps national clumps ous)	resence of tree x per bank) Left gle	Right	
bare uniform vvvvv simple complex CONNECT Spe Left side: Right side:	ION WITH ANY cify the present	bare earth/rock predominantly two or three very four or more ty Y OTHER RIVER/V nce/absence and to	on Types k etc. one type (no so	rub or trees)	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation sho herl fall gras scru sapl tree	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs lings and	TREES None Isolated/ Regularly Occasion Semi-con Continue	Proceed (tick one books scattered y spaced, sinual clumps national clumps ous)	resence of tree x per bank) Left gle	Right	
bare uniform vvvvv simple complex CONNECT Spe Left side: Right side:	ION WITH ANY cify the present	bare earth/rock predominantly two or three very predominantly four or more type of the predominantly predominantly four or more type of the predominantly predominantly four or more type of the predominantly predominantly predominantly four or more type of the predominantly pre	on Types k etc. one type (no so	rub or trees)	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation sho herl fall gras scru sapl tree	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs lings and	TREES None Isolated/ Regularly Occasion Semi-con Continue	Proceed (tick one books scattered spaced, single clumps on tinuous ous	resence of tree x per bank) Left gle	Right	
bare uniform vvvvv simple complex CONNECT Spe Left side: Right side:	ION WITH ANY cify the present	bare earth/rock predominantly two or three very four or more ty Y OTHER RIVER/V nce/absence and to	on Types k etc. one type (no so	rub or trees)	vegetation vegetation brye vegetation brye vegetation brye vegetation brye vegetation sho herl fall gras scru sapl tree	types ophytes rt/creeping os or grasses therbs/ sses ib or shrubs lings and	TREES None Isolated/ Regularly Occasion Semi-con Continue	Proceed (tick one books scattered spaced, single clumps on tinuous ous	resence of tree x per bank) Left gle	Right	

	FRESHWATER DEG	RADATION SURVE	Y FORM	Recorder		Location		Date (dd/mmm/yy	/)
	Start Time/End	imo (24-hr.)		f. Dr. Aydın Akbulu ot size	ıt Çayön İs plot repres	nü/Mudanya/B			7/04/2021 s (Start - En	۹)
GOLDER	09:55	10:20		1 ha.	Yes	Sentative of v	No No		552-582	u)
UTM E	UTM			ev. (m)		one - Datum (ypoint ID	
641052	4460511			42		35T		F	_6	
Ecoregion	EUNIS Habi	at type			Н	abitat Descri	ption			
Thrace (Ecoregion ID:423-The					Temp	orary runnin	ig waters			
Freshwater Major Habitat Types Degradation level		ation Factors		Main dogra	dation factor	Soil o	erosion level	Soi	erosion sig	anos
very high high Medium	erosion sedimentation		Others: _	Walli degra	_	very high	high Med		weeds	gries
Low None	fishing gravel collect	<u>'</u>				Low	None	rills	gullies	landslides
			River	conditions						
River name	Site survey from		high water leve	Is the bed of	Barely or not	Are advers				
Yaman Stream	left bank	Water level	low water leve	the river visible?	Partially	affecting		-		
	right bank PREDOMINANT VALLEY	FORM (within the l	dry river		About entirely	survey?	BAA	IKS PROFILES		
(tick one box only)	PREDOMINANT VALLEY	rokim (within the i	iorizon illilit)					Bank; R= Right	Bnk	
	shallow vee		/ г	concave/bo	wl	Natural/	unmodified		L	R
	stratiow vee	.,	_	concave/bo	***	Vertical/u		<u> </u>		
		1,		asymmetric	al valley	Vertical w	ith toe	<u></u>		
	deep vee				-	Steep (>4	5°)			
				U-shape val	ley	Gentle				
			_			Composite	е	~~~	,	
	gorge			no obvious	valley sides	Natural be	erm		-	
			FLOV	N TYPES						
Indicate one or more flow types from	the below: SM. NP					Percentage				
						Riffle(s): 40%	%			
FLOW-TYPES FF: Free fall	DESCRIPTION	wall of vortical for	aturo ~ associat	ad with waterfall	e	Pool(s): 60%				
	clearly separates from bac low curving fall in contact				3	Bar(s): _%				
BW: Broken standing waves					ls					
UW: Unbroken standing waves			-							
CF: Chaotic flow	a chaotic mixture of three one obvious	or more of the fou	r fast flow-type	es with no predor	ninant					
RP: Rippled	no waves, but general flov mostly associated with rur	direction is down	stream with di	sturbed rippled s	urface ~					
UP: Upwelling	heaving water as upwellin		e ~ associated v	with boils.						
SM: Smooth	perceptible downstream n associated with glides	ovement is smoot	h (no eddies) ~	mostly						
NP: No perceptible flow	no net downstream flow ~	associated with poo	ols, ponded rea	ches and margina	al					
DR: No flow (dry)	deadwater dry river bed									
			PHYSICAL	ATTRIBUTES						
Left Ba	nk		Riv	er Bed				Right Bank		
Material: NV (Not visible= NV ; bedrock= BE ; cobb	 le= CO ; sand= SA ; earth= EA	River substrate:				Material: NV		25bbl 00.		
Bank vegetation width: 4 m		(Not visible= NV		cobble= CO ; sand	,	•	•	BE; cobble= CO;	·	eartn= EA)
Zam. Vogotation Width. 4 III		River bed width:	3 m			Bank vegetat	ion width:4 m			
			BANKTOP	VEGETATION						
L = Left Bank; R= Right Bnk	Veget	ation Types						sence of trees		
bare B	bare earth/r	ock etc.	ı	vegetatio	n types	TREES	(tick one box		ight	
uniform U		tly one type (no sc	rub or trees)		ophytes	None				
11/11/1 <u>vvlvv</u>				yyy she	ort/creeping	Isolated/s			_	
simple S	two or three	vegetation types		he	rbs or grasses		/ spaced, sing al clumps	le 🛄		
│				1111	herbs/ asses	Semi-con			<u> </u>	
203111111111111111111111111111111111111				ng scr	ub or shrubs	Continuo	ous			
complex	four or mor	types								
III VSP MAN				sap tre	olings and es					
CONNECTION	I ON WITH ANY OTHER RIVE	R/WETLAND		_/_ A			Notes			
Speci	y the presence/absence ar	d type								
Laft side: Nillüfer Streem										
Left side: Nilüfer Stream			· · · · · · · · · · · · · · · · · · ·							
D										
Right side:				The section	n had in many	lho wata - "	u io vom- !-	nd there !-	m, atua	norie-
	ARTIFICIAL FEATURES			The strear	n bed is narrow, t		w is very low a egetation.	nd there is a ve	ry strong ri _l	parian
	ARTIFICIAL FEATURES al object (e.g. weirs/sluices Agriculture	, outfalls, bridges)	?	The stream	n bed is narrow, t		=	nd there is a ve	ry strong ri _l	parian
	al object (e.g. weirs/sluices	, outfalls, bridges)	?	The stream	n bed is narrow, t		=	nd there is a ve	ry strong ri _l	parian
	al object (e.g. weirs/sluices	, outfalls, bridges)	?	The stream	n bed is narrow, t		=	nd there is a ve	ry strong ri _l	parian

	FRESHW	ATER DEGRA	DATION SURVE		Recorder		Location			(dd/mmm/yy)
	Start	: Time/End Tim	e (24-hr.)		rof. Dr. Aydın Akbul Plot size		ur/Osmangazi/l sentative of ve			6/04/2021 s (Start - End	d)
GOLDER	18:5		19:20		1 ha.	Yes		No		465-489	
UTM E		UTM N			Elev. (m)	UTM Z	one - Datum (I	NAD)		aypoint ID	
668283		4460970			85		35T		ı	=_7	
Ecoregion		EUNIS Habitat	type			H	labitat Descrip	otion			
						Permanent non-ti	dal, smooth-f	lowing water	courses		
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Types		C2.3									
Degradation level			on Factors	Others: _		dation factor		rosion level		il erosion sig	ınes
very high high Medium Low None		sedimentation gravel collection		Others		lution	very high Low	high Med None	dium bare soil	weeds gullies	landslides
25W Rolls	g	, av er een een een en	ponduon	Rive	r conditions		2011	. Tone	11110	gamos	Tarraonass
River name	Site surve	ey from		high water le	evel Is the bed of	Barely or not	Are adverse				
Nilüfer Stream —	left ba		Water level	low water le	visible?	Partially	conditions affecting		-		
	right be		RM (within the h	dry river		About entirely	survey?	BAI	NKS PROFILES		
(tick one box only)									Bank; R= Right		
	shallow vee				concave/bo	wl	Natural/u	ınmodified		L	R
					_		Vertical/ur	ndercut	7 Z	<u> </u>	
	d				asymmetric	al valley	Vertical wi	th toe			
	deep vee				U-shape va	lev	Steep (>45	j°)	\ww		
				J	U-snape va	icy	Gentle				
\bigvee	gorge				no obvious	valley sides	Composite Natural be			<u> </u>	
				EI (OW TYPES					I	I
			_		OW TIPES		Percentage				
Indicate one or more flow types from	the below: BW ,	UP, RP, CF, SI	VI				Riffle(s):70%				
FLOW-TYPES	DESCRIPTION						Pool(s):20%				
FF: Free fall CH: Chute					iated with waterfal ed with cascades	s	Bar(s):10%				
BW: Broken standing waves						ls					
UW: Unbroken standing waves CF: Chaotic flow	-			-	associated with riff pes with no predo						
	one obvious										
RP: Rippled	no waves, but mostly associat		irection is down	stream with	disturbed rippled s	urface ~					
UP: Upwelling SM: Smooth			break the surfac ement is smoot								
	associated with	n glides									
NP: No perceptible flow	deadwater	ream flow ~ ass	ociated with poo	ols, ponded r	eaches and margin	al					
DR: No flow (dry)	dry river bed										
				PHYSIC	AL ATTRIBUTES						
Left Ba	ınk				AL ATTRIBUTES River Bed				Right Bank		
Left Ba	ınk								Right Bank		
Material: NV		Δ · earth= FΔ)	River substrate:	NV	River Bed		Material: NV				
Material: NV (Not visible= NV ; bedrock= BE ; cobb	ole= CO ; sand= S	,	(Not visible= NV	NV; bedrock= BE	River Bed E; cobble= CO; sand	•	(Not visible=	NV ; bedrock= l	BE; cobble= CO	•	,
Material: NV	ole= CO ; sand= S	,	(Not visible= NV	NV; bedrock= BE	River Bed	•	(Not visible=	NV ; bedrock= l		•	,
Material: NV (Not visible= NV ; bedrock= BE ; cobb	ole= CO ; sand= S	,	(Not visible= NV	NV; bedrock= BE	River Bed	•	(Not visible=	NV ; bedrock= l	BE; cobble= CO	•	,
Material: NV (Not visible= NV ; bedrock= BE ; cobb	ole= CO ; sand= S		(Not visible= NV River bed width:	NV; bedrock= BE	River Bed E; cobble= CO; sand	•	(Not visible=	NV ; bedrock= l on width: 5 m	BE; cobble= CO	•	,
Material: NV (Not visible= NV ; bedrock= BE ; cobb	ole= CO ; sand= S		(Not visible= NV	NV; bedrock= BE	River Bed	•	(Not visible= I	NV ; bedrock= lon width: 5 m	BE; cobble= CO	•	,
Material: NV(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare B	ole= CO ; sand= S	Vegetation	(Not visible= NV River bed width: on Types k etc.	NV; bedrock= BE 40 m	E; cobble= CO; sand P VEGETATION vegetation		(Not visible= I	NV ; bedrock= l on width: 5 m	BE; cobble= CO	•	,
Material: NV(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare B uniform U	ole= CO ; sand= S	Vegetation	(Not visible= NV River bed width:	NV; bedrock= BE 40 m	E; cobble= CO; sand P VEGETATION vegetation br	n types ophytes	(Not visible= I Bank vegetati TREES (None	NV; bedrock= I on width: 5 m Pre	BE; cobble= CO	Right	,
Material: NV(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare	ole= CO; sand=S	Vegetation of the contract of	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	E; cobble= CO; sand P VEGETATION vegetation yvy sh	n types	(Not visible= I Bank vegetati TREES (None Isolated/s	NV; bedrock= I on width: 5 m Pre	BE; cobble= CO		,
Material: NV(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare B uniform U	ole= CO; sand=S	Vegetation of the contract of	(Not visible= NV River bed width: on Types k etc.	NV; bedrock= BE 40 m	P VEGETATION vegetation vege	n types ophytes ort/creeping rbs or grasses	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona	NV; bedrock= 1 on width: 5 m Predictick one box cattered spaced, sing	BE; cobble= CO	Right	,
Material: NV	ole= CO; sand=S	Vegetation of the contract of	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	E; cobble= CO; sand P VEGETATION vegetation br vegetation sh he gr	n types /ophytes ort/creeping rbs or grasses I herbs/	(Not visible= I Bank vegetati TREES (None Isolated/se Regularly	NV; bedrock= 1 on width: 5 m Predictick one box cattered spaced, singled clumps tinuous	BE; cobble= CO	Right	,
Material: NV	ble= CO; sand=S	Vegetation of three versions or three versions.	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	E; cobble= CO; sand P VEGETATION vegetation br vegetation sh he gr	n types ophytes ort/creeping rbs or grasses	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con	NV; bedrock= 1 on width: 5 m Predictick one box cattered spaced, singled clumps tinuous	BE; cobble= CO	Right	,
Material: NV	ble= CO; sand=S	Vegetation of the contract of	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	P VEGETATION vegetation vegetation vegetation ta gr scools sa	n types /ophytes ort/creeping rbs or grasses I herbs/	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con	NV; bedrock= 1 on width: 5 m Predictick one box cattered spaced, singled clumps tinuous	BE; cobble= CO	Right	,
Material: NV	ble= CO; sand=S	Vegetation of three versions or three versions o	(Not visible= NV River bed width: on Types k etc. one type (no screen	NV; bedrock= BE 40 m	P VEGETATION vegetation vegetation vegetation ta gr scools sa	n types ophytes ort/creeping rbs or grasses herbs/ asses ub or shrubs	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con Continuo	NV; bedrock= 1 on width: 5 m Predictick one box cattered spaced, singled clumps tinuous	BE; cobble= CO	Right	,
Material: NV	ole= CO; sand=S	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no screen types) pegetation types	NV; bedrock= BE 40 m	P VEGETATION vegetation vegetation vegetation ta gr scools sa	n types ophytes ort/creeping rbs or grasses herbs/ asses ub or shrubs	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box	BE; cobble= CO	Right	,
Material: NV	DIE= CO; sand=S	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no screen types) pegetation types	NV; bedrock= BE 40 m	P VEGETATION vegetation vegetation vegetation ta gr scools sa	n types ophytes ort/creeping rbs or grasses herbs/ asses ub or shrubs	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box	BE; cobble= CO	Right	,
Material: NV	DIE= CO; sand=S	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no screen types) pegetation types	NV; bedrock= BE 40 m	P VEGETATION vegetation vegetation vegetation ta gr scools sa	n types ophytes ort/creeping rbs or grasses herbs/ asses ub or shrubs	(Not visible= I Bank vegetati TREES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box	BE; cobble= CO	Right	,
Material: NV	DN WITH ANY Cofy the presence	Vegetation of the vertical ver	(Not visible= NV River bed width: on Types k etc. one type (no screen types) pegetation types	NV; bedrock= BE 40 m	vegetation vegeta	n types ophytes ort/creeping rbs or grasses I herbs/ asses rub or shrubs olings and es	REES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box cattered spaced, singular clumps tinuous us	BE; cobble= CO	Right	
Material: NV	DN WITH ANY Of the presence ARTIFICIAL F	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	vegetation vegeta	n types ophytes ort/creeping rbs or grasses herbs/ asses ub or shrubs	REES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box cattered spaced, singular clumps tinuous us	BE; cobble= CO	Right	
Material: NV_(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare Buniform U simple S complex CONNECTION Speci Left side: Right side: Is there any artifici	DN WITH ANY Of the presence ARTIFICIAL F	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	vegetation vegeta	n types ophytes ort/creeping rbs or grasses I herbs/ asses rub or shrubs olings and es	REES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box cattered spaced, singular clumps tinuous us	BE; cobble= CO	Right	
Material: NV_(Not visible= NV; bedrock= BE; cobbbank vegetation width: 5 m L = Left Bank; R= Right Bnk bare Buniform U simple S complex CONNECTION Speci Left side: Right side: Is there any artifici	ON WITH ANY Of the presence ARTIFICIAL Fall object (e.g. w	Vegetation of the vegetation o	(Not visible= NV River bed width: on Types k etc. one type (no sci	NV; bedrock= BE 40 m	vegetation vegeta	n types ophytes ort/creeping rbs or grasses I herbs/ asses rub or shrubs olings and es	REES (None Isolated/s Regularly Occasiona Semi-con Continuo	Predictick one box cattered spaced, singular clumps tinuous us	BE; cobble= CO	Right	

	FRESHWATER DEGR			ADATION SURVEY FORM			Recorder		Location	1		Date (dd/mmm/yy)			
		Sta	art Time/End Tim						sköy/Osmangazi/Bursa		2	06/04/2021 Photos (Start - End)		1	
GOLDER	-	18:00 18:30			Plot size Is 1 ha.			Yes	Yes No			440-464			
UTM E		10	UTM N	10100				Zone - Datum (NAD)			Waypoint ID				
672163			4461002		75				35T F_8						
Ecoregion			EUNIS Habitat	type				Н	abitat Des	scription					
								Permanent non-ti	dal, smoc	oth-flowing w	atercourses	s			
Thrace (Ecoregion ID:423-T Freshwater Major Habitat Ty			C2.3						,						
Degradation level			Degradation	on Factors		Main degradation factor			S	oil erosion le	vel	Soil er	osion sigi	nes	
very high high Medium		erosion	sedimentation		Others: _	Pollution			very high high Medium bare soil weeds						
Low None	T	fishing	gravel collection	pollution	Rive	er cor	nditions		Low	None		rills	gullies	andslides	
River name		Site sur	vey from		high water le		Is the bed o	Barely or not	Are adv	/erse					
Nilüfer Stream		left l	bank	Water level	low water le	evel	the river visible?	Partially	condit affect			_			
	DM (within the k	dry river		visible:	About entirely	surve	ey?	DANKS DE	20511 56						
(tick one box only)				RW (Within the r	ionzon ilmit					L =	BANKS PE Left Bank;	R= Right Bnl	(
	_ si	hallow vee	e				concave/b	oowl	Natur	al/unmodif	ied		L	R	
				-::			, , ,		Vertica	al/undercut		. 7			
	_			//			asymmetri	ical valley	Vertica	al with toe	\neg	~			
, i	d	leep vee							Steep	(>45°)		~~~			
					_		U-shape v	alley	Gentle	•					
	gorge						no obviou	s valley sides	Comp						
V -		, - 3		<u> </u>				s valley sides	Natura	al berm					
					FL	OW T	TYPES		Porcenta	ne e					
Indicate one or more flow types from the below: BW, UP, RP, CF, SM									Percentage						
FLOW-TYPES DESCRIPTION									Riffle(s):80%						
FF: Free fall			ates from back-w					alls	Pool(s):20%						
CH: Chute BW: Broken standing way			fall in contact wit tumbling waves					ids	Bar(s):10%						
UW: Unbroken standing wa				-			-								
CF: Chaotic flow		haotic mix e obvious	cture of three or	more of the fou	r fast flow-ty	pes v	with no predominant								
RP: Rippled	no	waves, bu	it general flow d	irection is down	stream with	distu	ırbed rippled	surface ~							
UP: Upwelling		-	ated with runs er as upwellings l	break the surfac	e ∼associate	d wit	h boils.								
SM: Smooth		rceptible d sociated wi	lownstream mov ith glides	ement is smoot	h (no eddies	s) ~ m	nostly								
NP: No perceptible flow	no		stream flow ~ ass	ociated with poo	ols, ponded i	each	es and margi	nal							
DR: No flow (dry)		river bed													
	. Dowl						TTRIBUTES		Right Bank						
Len	t Bank					River	Bea				Right	Вапк			
Material: NV				Discourse le structure	N D /				NA-4	AD.					
(Not visible= NV; bedrock= BE; o	cobble=	CO; sand=		River substrate: NV (Not visible= NV ; bedrock= BE ; cobble= CO ; sand= SA ; earth=EA)					Material: NV(Not visible= NV; bedrock= BE; cobble= CO; sand=SA; earth=EA)						
Bank vegetation width: 5 m		River bed width:			50 m				Bank veg	etation width:	5 m				
					BANKTO)P VE	EGETATION								
Le Loft Deadle D. Dilling			Vegetation	on Types					Presence of trees						
L = Left Bank; R= Right Bnk bare	В	I	bare earth/rock	k etc.		ı	vegetati	ion types	TREES	S (tick one			nt		
uniform	U			one type (no sc	rub or trees)	1		pryophytes	Left Right None						
111/1111 VIVI							yyy sl	hort/creeping	lsolated/scattered						
simple	S		two or three ve	egetation types		1		erbs or grasses		arly spaced, ional clump					
				-		tall herbs/ grasses			Semi-continuous						
						-	my s	crub or shrubs	Conti	nuous	Ţ				
complex	С		four or more ty	/pes		(3	aplings and							
IIT vsP mal						saplings and trees									
CONNECTION WITH ANY OTHER RIVER/WETLAND									Notes						
Sp	ecify tl	ne presenc	ce/absence and t	ype											
Left side:															
Right side:															
		ARTIFICIAL	. FEATURES				There is a hi	igh water flow rate,	_	_		_	arts, som	e places	
Is there any arti	ificial o	bject (e.g.	weirs/sluices, o	utfalls, bridges)	?			h	ave been	modified witl	n truit trees	i.			
	Char	nnel Const	truction, Bridge												

	FRESHWATER DEG	RADATION SURVEY	FORM					Date (dd/mmm/yy)				
	Start Time/End	Time (24-hr.)	Prof. [Plot	Dr. Aydın Akbulut size		by/Yenişehir/Bursa entative of vege		/04/2021 (Start - En	d)			
GOLDER	14:10	14:30	1 ha.		Yes		No	328-342				
UTM E	UTM		Elev. (m)		UTM Zo	one - Datum (NA	D)	Waypoint ID				
719794	4460595		23	33		35T F_9						
Ecoregion	EUNIS Habi	tat type	Habitat Description									
T. (T. 15.400 T.				Pe	ermanent non-ti	dal, smooth-flow	ving waterc	ourses				
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Type												
Degradation level		lation Factors	Main degradation factor Others: _ Erosion			Soil eros			erosion sig	gnes		
very high high Medium Low None	erosion sedimentation gravel collect		Juleis	Lios	NOTI	very high high	gh Med	ium bare soil rills	weeds gullies	landslides		
	glaver	ponduon	River co	nditions		2011			gamee	Tarraerraee		
River name	Site survey from		high water level	Is the bed of	Barely or not	Are adverse						
DSİ Irrigation Canal	left bank	Water level	low water level	the river visible?	Partially	conditions affecting		-				
	right bank PREDOMINANT VALLEY	FORM (within the he	dry river orizon limit)		About entirely	survey?	BAN	IKS PROFILES				
(tick one box only)								Bank; R= Right I	3nk			
	shallow vee		/ 📮	concave/bow	1	Natural/unr	nodified		L	R		
			_			Vertical/unde	ercut	T Z				
			asymmetrical	valley	Vertical with	toe						
✓	deep vee			U-shape valle	v	Steep (>45°)		\www				
			<i>,</i> –	5-31mpe valle	,	Gentle Composite	-					
\bigvee	gorge		no obvious va	alley sides	Natural berm							
			FLOW ⁻	TYPES					ı	ı		
						Percentage						
Indicate one or more flow types from		-		Riffle(s):80%								
FLOW-TYPES	t	dithatanfalla		Pool(s):20%								
FF: Free fall CH: Chute	-			re ~associated with waterfalls n associated with cascades			Bar(s):_%					
BW: Broken standing waves	white-water tumbling wav	es must be present	~ mostly associ	ated with rapids								
UW: Unbroken standing wave CF: Chaotic flow	 upstream facing wavelets a chaotic mixture of three 		-									
	one obvious											
RP: Rippled	no waves, but general flow mostly associated with rur	ns			тасе ~							
UP: Upwelling SM: Smooth	heaving water as upwellin perceptible downstream n											
	associated with glides											
NP: No perceptible flow	no net downstream flow ~ deadwater	associated with poor	s, ponded reach	ies and marginai								
DR: No flow (dry)	dry river bed		PHYSICAL A	TTRIBUTES								
Left B	ank		River	Bed		Right Bank						
Material: NV (Not visible= NV ; bedrock= BE; cob	Material: NV											
	ble= CO ; sand= SA ; earth= EA	River substrate:		bblo- CO: cond-		Material: NV	bodrook- P	PE, achblar CO.		orth—EA)		
Bank vegetation width: 3 m.		(Not visible= NV ;	bedrock= BE ; co		SA; earth=EA)	(Not visible= NV;		•	·	,		
Bank vegetation width: 3 m		. \	bedrock= BE ; co		SA; earth=EA)			•	·	,		
Bank vegetation width: 3 m		(Not visible= NV ;	bedrock= BE ; co 8 m		SA; earth=EA)	(Not visible= NV;		•	·	,		
Bank vegetation width: 3 m		(Not visible= NV ;	bedrock= BE ; co		SA; earth=EA)	(Not visible= NV;	width: 3 m.	•	·	,		
Bank vegetation width: 3 m L = Left Bank; R= Right Bnk	Vege	(Not visible= NV ; River bed width:	bedrock= BE ; co 8 m	EGETATION	SA; earth=EA)	(Not visible= NV;	width: 3 m.	sence of trees	·	,		
L = Left Bank; R= Right Bnk bare	Veget B bare earth/r	(Not visible= NV; River bed width: cation Types	bedrock= BE; co 8 m	EGETATION vegetation	types	(Not visible= NV; Bank vegetation TREES (tic	width: 3 m.	sence of trees per bank)	·	,		
L = Left Bank; R= Right Bnk bare uniform	Veget B bare earth/r	(Not visible= NV ; River bed width:	bedrock= BE; co 8 m	vegetation بسسب bryo	types	(Not visible= NV ;	width: 3 m. Pres	sence of trees per bank)		,		
L = Left Bank; R= Right Bnk bare uniform	Veget B bare earth/n predominan	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scru	bedrock= BE; co 8 m	vegetation بسسند bryo	types	(Not visible= NV; Bank vegetation TREES (tic None Isolated/scat Regularly sp	Prest tered aced, singl	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform	Veget B bare earth/n predominan	(Not visible= NV; River bed width: cation Types	bedrock= BE; co 8 m	vegetation بالمند bryo عالماد shor herb	types phytes t/creeping os or grasses	(Not visible= NV; Bank vegetation TREES (tic None Isolated/scat Regularly sp. Occasional of	Pres k one box ttered aced, single	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform	Veget B bare earth/n predominan	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scru	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall I	types phytes t/creeping os or grasses nerbs/ ses	(Not visible= NV; Bank vegetation TREES (tic None Isolated/scat Regularly sp	Presented aced, single slumps	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform v/v/v simple complex	Veget B bare earth/n predominan	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrute vegetation types	bedrock= BE; co 8 m	vegetation vegetation bryc short herb tall I gras cm3 scru	types phytes t/creeping os or grasses nerbs/ ses b or shrubs	TREES (tice None Isolated/scate Regularly specification Semi-contine	Presented aced, single slumps	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform v/v/v simple complex	bare earth/r predominar	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrute vegetation types	bedrock= BE; co 8 m	vegetation vegetation bryc short herb tall I gras cm3 scru	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly specification Semi-contine	Presented aced, single slumps	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex	bare earth/r predominar	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrue) e vegetation types e types	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall I grass cm2 scru sapli	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spectorion Occasional of Semi-contine Continuous	Presented aced, single slumps	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform vvvv simple complex CONNECT	bare earth/n predominant two or three	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrue) e vegetation types e types	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall I grass cm2 scru sapli	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spectorion Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform vvvv simple complex CONNECT	bare earth/n predominant two or three four or more	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrue) e vegetation types e types	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall H grass cm2 scru sapli	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spectorion Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex CONNECT Spec	bare earth/n predominant two or three four or more	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrue) e vegetation types e types	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall H grass cm2 scru sapli	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spectorion Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	sence of trees per bank) Left Ri		,		
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex CONNECT Spec	bare earth/r predominar two or three four or more four or more for the presence are	(Not visible= NV; River bed width: ation Types cock etc. tly one type (no scrue) e vegetation types e types	bedrock= BE; co 8 m	vegetation vegetation bryo short herb tall I gras scru sapli tree	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spe Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	per bank) Left Ri	ght			
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex CONNECT Spece	bare earth/r predominant two or three four or more four or more and the presence are strictly the presence are ARTIFICIAL FEATURES stal object (e.g. weirs/sluices	(Not visible= NV; River bed width: cation Types cock etc. catly one type (no scrue) e vegetation types cation Types	BANKTOP VE	vegetation vegetation bryo short herb tall I gras scru sapli tree	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spectorion Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	per bank) Left Ri	ght			
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex CONNECT Spece	bare earth/n predominant two or three four or more four or more sify the presence/absence are ARTIFICIAL FEATURES	(Not visible= NV; River bed width: cation Types cock etc. catly one type (no scrue) e vegetation types cation Types	BANKTOP VE	vegetation vegetation bryo short herb tall I gras scru sapli tree	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spe Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	per bank) Left Ri	ght			
L = Left Bank; R= Right Bnk bare uniform vvvvv simple complex CONNECT Spece	bare earth/r predominant two or three four or more four or more and the presence are strictly the presence are ARTIFICIAL FEATURES stal object (e.g. weirs/sluices	(Not visible= NV; River bed width: cation Types cock etc. catly one type (no scrue) e vegetation types cation Types	BANKTOP VE	vegetation vegetation bryo short herb tall I gras scru sapli tree	types phytes t/creeping os or grasses nerbs/ ses b or shrubs ings and	TREES (tice None Isolated/scate Regularly spe Occasional of Semi-contine Continuous	Pres k one box ttered aced, single lumps uous	per bank) Left Ri	ght			

	FRESHWATER DEGRA	FRESHWATER DEGRADATION SURVEY						Date (dd/mmm/yy)			
	Start Time/End Tir	no (24-hr.)	•			rükOsmaneli/Bursa		06/04/2021 Photos (Start - End)			
GOLDER	10:30	10:55		ha.	Yes	sentative of vegetation ? No				iu)	
UTM E	UTM N	10.00	Elev. (m)			one - Datum (NAD)		199-222 Waypoint ID			
742270	4466992		184			35T F_10					
Ecoregion	EUNIS Habita	type			Ha	abitat Description					
					Permanent nen t	idal fact turbular	at watercours	205			
Thrace (Ecoregion ID:423-The Freshwater Major Habitat Types	C2.2				remanent non-ti	idal, fast, turbulen	t watercours	es			
Degradation level		ion Factors		Main degradation factor		Soil erosion level		Soil	erosion sig	gnes	
very high high Medium	erosion sedimentation	invasive sp.	Others: _		_	very high high	n Medium	bare soil	weeds	_	
Low None	fishing gravel collection	n pollution				Low None	Э	rills	gullies	landslides	
River name	Site survey from		River c	onditions	Barely or not	Are adverse					
Kiver Hame	left bank	Water level	low water level	Is the bed of	Partially	conditions					
Göksu Stream	right bank		dry river	visible?	About entirely	affecting survey?		_			
	PREDOMINANT VALLEY FO	ORM (within the h	orizon limit)					PROFILES			
(tick one box only)						L = Left Ban	k; R= Right B	nk			
	shallow vee		/ [concave/bo	wl	Natural/unm	odified		L	R	
		1	_			Vertical/underc		···			
	deep vee	1		asymmetric	al valley	Vertical with to	e	\			
_			_ г	U-shape val	lev	Steep (>45°)		\ww			
			_	o simpe val	,	Gentle Composite					
$ \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \hspace{.05cm} \square$	gorge			no obvious	valley sides	Natural berm					
	FLOW TYPES								ı	I	
						Percentage					
Indicate one or more flow types from	the below: BW, UW, RP				Riffle(s):80%						
FLOW-TYPES	DESCRIPTION					Pool(s):20%					
FF: Free fall	clearly separates from back-				s						
CH: Chute BW: Broken standing waves			ten associated with cascades			Bar(s):_%					
UW: Unbroken standing waves		-	-	-							
CF: Chaotic flow	a chaotic mixture of three or one obvious	more of the fou	r fast flow-type	st flow-types with no predominant							
RP: Rippled	no waves, but general flow o	direction is down	stream with dis	sturbed rippled s	urface ~						
	mostly associated with runs heaving water as upwellings	break the surface	e ~ associated w	vith boils.							
SM: Smooth	perceptible downstream mo										
NP: No perceptible flow	associated with glides no net downstream flow ~ as	sociated with poo	ols, ponded read	ches and margina	al						
	deadwater dry river bed	·									
			PHYSICAL	ATTRIBUTES							
Left Ba	nk		River Bed				Right Bank				
Material: NV (Not visible= NV ; bedrock= BE ; cobb	ole= CO ; sand= SA ; earth= EA)	River substrate:		ashbla= CO: sand	Material: NV(Not visible= NV; bedrock= BE; cobble= CO; sand=SA; earth=EA)						
Bank vegetation width: 5 m	·	(Not visible= NV ; bedrock= BE ; cobble= CO ; sand= SA ; earth=EA) River bed width: 30 m									
<u> </u>		River bed width:	30 m		Bank vegetation width: 5 m						
	Venetat	ion Types	BANKTOP	VEGETATION			Presen	ice of trees			
L = Left Bank; R= Right Bnk	. 090.00	71.				TREES (tick					
bare B				vegetatio			Don per		jht •		
uniform U	predominantly	one type (no sci	rub or trees)		yophytes	None Isolated/scatte	ered		7		
					ort/creeping rbs or grasses	Regularly space]		
simple	two or three v	egetation types		}{ tal	I herbs/	Occasional clumps					
				grasses		Semi-continuous					
complex				<u>√u3</u> scr	ub or shrubs	Continuous		_	-		
	four or more	ypes			olings and						
War Live III		W		TP tre	e3						
CONNECTION				Note	5						
				1							
Left side:											
Right side:											
	ARTIFICIAL FEATURES			There is a st		water current. Ripa Iral areas in the clo		_	ong and t	there are	
Is there any artifici	al object (e.g. weirs/sluices, o	outfalls, bridges)	?		~9.10alta	Jac III dio oli	parto oi t				
	Agriculture										
I											

	FRESI	FRESHWATER DEGRADATION SURVEY							Date (dd/mmm/yy)				
	St	Start Time/End Time (24-hr.)					şekOsmaneli sentative of		06/04/2021 Photos (Start - End)				
GOLDER		9:10	09:40	1 ha.		Yes	sentative of vegetation ? No		170-198		uj		
UTM E		UTM N	03.40				one - Datum (NAD)		Waypoint ID				
750340		4473137		100			35T F_11						
Ecoregion		EUNIS Habitat	type			Н	abitat Desci	ription					
						Pormanont non t	idal fact tu	irbulant watere	ourcoc				
Thrace (Ecoregion ID:423-Th Freshwater Major Habitat Type		C2.2			'	Permanent non-t	iuai, iasi, tu	irbulent waterc	ourses				
Degradation level	<i>33)</i>		on Factors	Main degradation factor			Soil	erosion level	Soi	l erosion si	gnes		
very high high Medium	erosion	sedimentation	invasive sp.	Others: _		_	very high	high Me	dium bare soil	weeds			
Low None	fishing	gravel collection	pollution		100		Low	None	rills	gullies	landslides		
River name	Site su	rvey from		high water leve	conditions	Barely or not	Are adver	rse					
		t bank	Water level	low water leve	Is the bed of	Partially	condition	ns					
Göksu Stream right bank				dry river	visible?	About entirely	survey						
	RM (within the h	orizon limit)					NKS PROFILES						
(tick one box only)	(tick one box only)				_		ennano montanto mante		Bank; R= Right	BNK I.			
	shallow ve	ee	.,	/ 4	concave/bo	νl	Vertical/	/unmodified		L	R		
	_				asymmetrica	al vallev	Vertical			<i>.</i>			
deep vee					us, illinetica	unoj	Steep (>4						
					U-shape vall	ey	Gentle	/	\ww.	_			
				_	_		Composi	ite		,			
	gorge		[no obvious v	alley sides	Natural l			-				
FLOW TYPES													
Indicate one or more flow types fro	m the below: B	W. UW. RP					Percentage)					
							Riffle(s):80%						
FLOW-TYPES FF: Free fall	DESCRIP		vall of vertical fea	ature ~ associat	ted with waterfalls		Pool(s):20%	%					
CH: Chute		fall in contact wi				•	Bar(s):_%						
BW: Broken standing wave						s							
UW: Unbroken standing wave	•												
CF: Chaotic flow	a chaotic mi one obvious		more of the fou	r fast flow-type	es with no predon	ninant							
RP: Rippled	no waves, b mostly assoc	ut general flow d ciated with runs	irection is down	stream with di	sturbed rippled su	ırface ~							
UP: Upwelling	heaving wat	er as upwellings	break the surfac	e ~ associated v	with boils.								
SM: Smooth	perceptible associated w	downstream mov vith glides	ement is smoot	h (no eddies) ^	mostly								
NP: No perceptible flow	no net dowr deadwater	nstream flow ~ ass	ociated with poo	ols, ponded rea	iches and margina	ıl							
DR: No flow (dry)	dry river bed	d											
Left I	Ponk				ATTRIBUTES		Right Bank						
Leit	Jank			KIV	dei Deu				Right Bank				
Material: NV		_	Divor substrate:	NIV/			Material: N	IV/					
(Not visible= NV ; bedrock= BE ; co	bble= CO ; sand	I-SA: corth-LAI	River substrate: NV(Not visible= NV; bedrock= BE; cobble= CO; sand=SA; earth=EA)					(Not visible= NV; bedrock= BE; cobble= CO; sand=SA; earth=EA)					
Bank vegetation width: 15 m			River bed width:		Bank vegetation width: 5 m								
				BANKTOP	VEGETATION								
L = Left Bank; R= Right Bnk		Vegetati	on Types					Pr	esence of trees				
	В	bare earth/roc	k etc.	vegetation types				(tick one bo	•	ight			
	U		one type (no sci	rub or trees)									
444/4 <u> </u>					yyy sho	ort/creeping		/scattered					
simple		two or three vegetation types				bs or grasses							
▲	S	two or three v	egetation types				Occasion	nal clumps	Occasional clumps				
~ ll ll ll	S	two or three v	egetation types		1111	herbs/ sses							
<u> </u>	S	two or three v	egetation types		gra لللك	herbs/		ontinuous					
complex	S C	two or three ve			gra	herbs/ sses ub or shrubs	Semi-co	ontinuous					
					gra	herbs/ sses ub or shrubs lings and	Semi-co	ontinuous					
complex	C TION WITH AN	four or more ty	ypes WETLAND		screen sap	herbs/ sses ub or shrubs lings and	Semi-co	ontinuous					
complex	C TION WITH AN	four or more ty	ypes WETLAND		screen sap	herbs/ sses ub or shrubs lings and	Semi-co	ontinuous uous					
complex	C TION WITH AN	four or more ty	ypes WETLAND		screen sap	herbs/ sses ub or shrubs lings and	Semi-co	ontinuous uous					
CONNEC	C TION WITH AN	four or more ty	ypes WETLAND		screen sap	herbs/ sses ub or shrubs lings and	Semi-co	ontinuous uous					
CONNECTOR Specific Sp	CION WITH AN	four or more ty Y OTHER RIVER/ nce/absence and t	ypes WETLAND		screen sap	herbs/ sses ub or shrubs lings and	Semi-co Continu	ntinuous uous Notes	tion on the left s	side of the s	tream is		
CONNECTOR Specific Sp	C TION WITH AN cify the preser	four or more ty Y OTHER RIVER/ nce/absence and to	ypes WETLAND type	2	screen sap	herbs/ sses ub or shrubs lings and es	Semi-co Continu	ntinuous uous Notes	tion on the left s		tream is		
CONNECTOR Specific Sp	CION WITH ANY cify the preser ARTIFICIA cial object (e.g.	four or more ty Y OTHER RIVER/ nce/absence and to	ypes WETLAND type	2	screen sap	herbs/ sses ub or shrubs lings and es	Semi-co Continu	ntinuous uous Notes			tream is		
CONNECTOR Specific Sp	CION WITH ANY cify the preser ARTIFICIA cial object (e.g.	four or more ty Y OTHER RIVER/ nce/absence and to	ypes WETLAND type	· · · · · · · · · · · · · · · · · · ·	screen sap	herbs/ sses ub or shrubs lings and es	Semi-co Continu	ntinuous uous Notes			tream is		
CONNECTOR Specific Sp	CION WITH ANY cify the preser ARTIFICIA cial object (e.g.	four or more ty Y OTHER RIVER/ nce/absence and to	ypes WETLAND type	2	screen sap	herbs/ sses ub or shrubs lings and es	Semi-co Continu	ntinuous uous Notes			tream is		