

# Risk Analysis Matrix

	Significance					Vulnerability-Threats								
	Heritage Significance	Intactness of Building	Exterior Significant Fabric	Interior Significant Fabric	Significance Rating	Structural Instability	Seismic Belt	Wind and Rain Erosion	Soil Instability	Flooding	Anthropogenic	Vulnerability Rating	Significance + Vulnerability Rating	
<b>Religious Structures</b>														
R1 - Church of Panagia / Koimisis tis Theotokou	5.00	3.00	2.00	2.00	12.00	5.00	1	5.00	2.00	1.00	5.00	18.00	30.00	
R2 - Church of Taxiarches	5.00	2.00	4.00	1.00	12.00	4.00	1	5.00	2.00	1.00	5.00	17.00	29.00	
R3 - Panagia Kastrella Monastery	4.00	2.00	1.00	1.00	8.00	5.00	1	5.00	5.00	1.00	5.00	21.00	29.00	
R4 - Agios Georgios Monastery	5.00	3.00	2.00	2.00	12.00	4.00	1	5.00	3.00	2.00	3.00	17.00	29.00	
R5 - Agios Ermolaos Monastery	4.00	2.00	1.00	1.00	8.00	5.00	1	5.00	4.00	3.00	3.00	20.00	28.00	
R6 - Church of Agios Nikolaos	5.00	4.00	3.00	3.00	15.00	2.00	1	3.00	1.00	1.00	5.00	12.00	27.00	
R7 - Koyun Island Chapel	3.00	1.00	1.00	2.00	7.00	5.00	1	5.00	5.00	1.00	4.00	20.00	27.00	
R8 - Marmara Island Synagogue	4.00	1.00	1.00	1.00	7.00	2.00	1	5.00	3.00	3.00	5.00	18.00	25.00	
R9 - Agios Timotheos Monastery	4.00	2.00	1.00	2.00	9.00	3.00	1	5.00	1.00	1.00	5.00	15.00	24.00	
R10 - Agios Andreas Monastery	4.00	2.00	2.00	2.00	10.00	3.00	1	5.00	1.00	1.00	4.00	14.00	24.00	
<b>Houses</b>														
H1 - Kartal House ('Yılanlı' House)	5.00	4.00	5.00	5.00	19.00	5.00	1	5.00	1.00	1.00	5.00	17.00	36.00	
H2 - Mehmet Yelken House	4.00	5.00	3.00	5.00	17.00	5.00	1	5.00	1.00	2.00	2.00	15.00	32.00	
H3 - Tahsin Tutucu House	5.00	4.00	4.00	5.00	18.00	3.00	1	4.00	1.00	1.00	4.00	13.00	31.00	
H4 - Metin Doğantimur House	3.00	4.00	3.00	5.00	15.00	5.00	1	5.00	1.00	2.00	2.00	15.00	30.00	
H5 - Temel Şorta House	4.00	3.00	4.00	2.00	13.00	5.00	1	5.00	1.00	1.00	5.00	17.00	30.00	
H6 - Müjdat Arı House	4.00	3.00	5.00	1.00	13.00	5.00	1	5.00	1.00	1.00	3.00	15.00	28.00	
H7 - İrfan Yıldırım House	2.00	2.00	2.00	1.00	7.00	5.00	1	5.00	4.00	2.00	5.00	21.00	28.00	
H8 - Kamil Kanat House	3.00	3.00	2.00	2.00	10.00	5.00	1	5.00	1.00	1.00	5.00	17.00	27.00	
H9 - Tınaz House	5.00	4.00	5.00	3.00	17.00	2.00	1	1.00	2.00	2.00	2.00	9.00	26.00	
H10 - Ulu House	5.00	4.00	4.00	5.00	18.00	2.00	1	2.00	1.00	1.00	1.00	7.00	25.00	

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<b>Educational Structures</b>														
E1 - Ekinlik Greek School for Girls	5.00	2.00	3.00	2.00	12.00	5.00	1	5.00	2.00	1.00	5.00	18.00	30.00	
E2 - Marmara Greek School for Girls (Pantelidia)	5.00	4.00	4.00	3.00	16.00	2.00	1	3.00	1.00	1.00	5.00	12.00	28.00	
E3 - Marmara Greek School for Boys ( Kyriakidia)	5.00	3.00	5.00	2.00	15.00	2.00	1	4.00	2.00	2.00	1.00	11.00	26.00	
<b>Industrial and Commercial Structures</b>														
IC1 - Winery	5.00	4.00	4.00	3.00	16.00	5.00	1	5.00	1.00	1.00	4.00	16.00	32.00	
IC2 - Marble Factory	5.00	5.00	3.00	5.00	18.00	4.00	1	4.00	1.00	1.00	1.00	11.00	29.00	
IC3 - Old 'Jewish' Shop	4.00	4.00	4.00	4.00	16.00	3.00	1	2.00	1.00	1.00	5.00	12.00	28.00	
IC4 - Poyrazlı Windmill	3.00	3.00	3.00	3.00	12.00	4.00	1	5.00	1.00	1.00	3.00	14.00	26.00	
IC5 - Ekinlik Windmill 3	3.00	3.00	2.00	3.00	11.00	4.00	1	5.00	1.00	1.00	3.00	14.00	25.00	
IC6 - Ekinlik Windmill 2	3.00	3.00	3.00	2.00	11.00	4.00	1	5.00	1.00	1.00	2.00	13.00	24.00	
IC7 - Saraylar Southern Windmill	3.00	2.00	1.00	1.00	7.00	4.00	1	5.00	1.00	1.00	5.00	16.00	23.00	
IC8 - Saraylar Northern Windmill	3.00	3.00	1.00	1.00	8.00	3.00	1	5.00	1.00	1.00	5.00	15.00	23.00	
IC9 - Ekinlik Windmill 1	1.00	2.00	1.00	3.00	7.00	1.00	1	5.00	1.00	1.00	1.00	9.00	16.00	
<b>Public Structures</b>														
P1 - Lighthouse	5.00	3.00	3.00	3.00	14.00	3.00	1	4.00	1.00	1.00	3.00	12.00	26.00	
P2 - Martzoukis Fountain	4.00	4.00	4.00	3.00	15.00	1.00	1	3.00	1.00	1.00	1.00	7.00	22.00	
P3 - Pera Fountain	4.00	3.00	3.00	2.00	12.00	2.00	1	4.00	1.00	1.00	1.00	9.00	21.00	
P4 - Fatıma Kadın Fountain	4.00	3.00	4.00	1.00	12.00	1.00	1	1.00	1.00	1.00	1.00	5.00	17.00	
P5 - Ali Beğ Fountain	4.00	3.00	4.00	1.00	12.00	1.00	1	1.00	1.00	1.00	1.00	5.00	17.00	
P6 - Takxiarches Fountain	4.00	2.00	4.00	1.00	11.00	1.00	1	1.00	1.00	1.00	1.00	5.00	16.00	
P7 - Aşıklar Fountain	4.00	2.00	4.00	1.00	11.00	1.00	1	1.00	1.00	1.00	1.00	5.00	16.00	
P8 - Agios Georgios Fountain	2.00	2.00	2.00	1.00	7.00	2.00	1	1.00	1.00	1.00	1.00	6.00	13.00	

The numerical evaluation indicates historical, social, and cultural significance, the actual physical conditions and potential risk of the structures on a scale of 1-5 (1- very low, 2- low, 3- medium, 4- high, 5- very high). Thus, the structures acquire their places in the final risk array, according to their heritage significance combined with current and potential threats. The monuments ranking higher in the final array are those that require urgent preservation action.