

Table 2) the estimation of physical carrying capacity in Ashooradeh Island for intensive and extensive zones and the whole area

Variables	Intensive zone	Extensive zone	Whole area
Area (m^2)	380000	3080000	3460000
Needed space for each person ($person/m^2$)	0.25	0.05	-
The average needed time (hour)	10	5	-
Number of daily visits	2.4	2	-
Physical carrying capacity (person per day)	228000	308000	536000

Table 3) the curtailing factors in Ashooradeh Island and their amounts (Cf) in each zone so as to calculate the real carrying capacity

Curtailing factors	Details	The percentage for each zone	
		Intensive	Extensive
Climate			
Rainy days	76 rainy days per a year (according to Bandar Torkaman weather station statistics)	20.82	20.82
Frosty days	6 frosty days per a year (according to Bandar Torkaman weather station statistics)	1.64	1.64
Sunny days	107 sunny days warmer than 30°C (according to Bandar Torkaman weather station statistics)	29.31	29.31
Tourism infrastructure			
Bathroom	There should be 16 bathrooms for each zone.	12.5	0
Drinking water	There should be 10-30 liters of drinking water for each person and 145-175 liters for each accommodation.	87.87	18.18
Garbage can	There should be 52 garbage cans in each zone.	0	0
Ecology			
Pheasant regeneration	For the regeneration of the local pheasants, there should be 4 weeks in spring with the tourists' restriction.	8.33	8.33
Biological conditions of the migratory birds	There should be two months of entry ban in four months in autumn and winter to provide biosecurity for the migratory birds.	50	50
Biological conditions of the wildlife	There should be one month of an entry ban each year to reduce the pressure on the wildlife. The days of the ban should be scattered during the year.	8.21	8.21
Ecological reconstruction and rehabilitation	There should be two months of the entry ban each year to reduce the human pressure and provide the opportunity for the environment to be rehabilitated. These days should be scattered in the year.	16.43	16.43
Social			
Social acceptance	There should be one month of an entry ban each year to reduce the pressure on the local community and to improve the social acceptance of the visitors. The days should be scattered in the year.	8.21	8.21
Passive security and defense	There should be one month of an entry ban each year to reduce the pressure on infrastructural, social, cultural, political and security situations. The days should be scattered in the year.	8.21	8.21

Table 4) tourism carrying capacity in Ashooradeh Island for intensive and extensive zones and for the whole area

Variables	Intensive zone	Extensive zone	Whole area
Area (m^2)	380000	3080000	3460000
Physical carrying capacity (person per day)	228000	308000	536000
Real carrying capacity (person per day)	3723	38806	42529
Effective carrying capacity (person per day)	310	6468	6778
Executive density (person per day)	8	21	-