



EVALUATION OF THE EFFECTS OF FARMS ON BIO DIVERSITY AND HABITAT



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Nr	Application	Possible Organism or Organism Group to affect	Farm Activity	Environmental Dimension	Possibility	Severity	Risk	İmportance Level	Preventative Action	Tracking Data	Are the Measures Sufficient?	Is Monitoring Required?
1	Aquaculture Activity	Sea Creatures (marin Fish)	Aquaculture Sea Bream Sea Bass, Maintenance Feeding Medicine-Vaccine Application Harvest Waste Management The use of Painted Net	Environmental pollution Water pollution, Benthic zone pollution	2	4	8	İmportant	The farm does not operate in a protected area or Areas with High Protection Value (HICVA). There is no activity in habitats with endemic species and species considered to be endangered (CR, EN, VU) in the red list of IUCN. it operates only in the Coordinates determined by the Ministry of Agriculture. Cultivated cages are at the maximum water depth. The farms established in terms of both the cultivated species and the ecological quality of the environment are deeper than 60 meters. The amount of production, the size of the area, the distance from the shore, the depth, the trophic properties of the environment and the relation with the current are suitable. The distance from the shore is at least 1100 m. Its distance to marine protected areas, beaches and archaeological sites is over 2000 m.	Approval of the Aquaculture Certificate. EIA reports by the Ministry of Environment Control of species living in the region from IUCN redlist The renewal of the visa as a result of the Aquaculture certificate issued for the facilities and the checks performed every three years During peak biomass months, the risk of eutrofication is constantly monitored by analysis in the water column and bottom mud. publications are followed with scientific articles. Continuous measurement of flow rates Creation of topographic and water bottom maps of the region Benthic, CU analysis	Yes	Yes

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									It is important that the stock density is max 12 kg / m3. The current (cm / s) is> 10 and above. The Nets are approved by the European Union. There is evidence that copper levels are <34 mg Cu / kg dry sediment weight. Bottom and water analyzes are monitored.	Waste Tracking, Blue card data		
2	Aquaculture Activity	Sea Creatures (Living on the Bottom)	Aquaculture Sea Bream Sea Bass, Maintenance Feeding Medicine- Vaccine Application Harvest Waste Management The use of Painted Net	Environmental pollution Water pollution, Benthic zone pollution	2	4	8	İmportant	The farm does not operate in a protected area or Areas with High Protection Value (HICVA). There is no activity in habitats with endemic species and species considered to be endangered (CR, EN, VU) in the red list of IUCN. it operates only in the Coordinates determined by the Ministry of Agriculture. Cultivated cages are at the maximum water depth. The farms established in terms of both the cultivated species and the ecological quality of the environment are deeper than 60 meters. The amount of production, the size of the area, the	Approval of the Aquaculture Certificate. EIA reports by the Ministry of Environment Control of species living in the region from IUCN redlist The renewal of the visa as a result of the Aquaculture certificate issued for the facilities and the checks performed every three years During peak biomass months, the risk of eutrophication is constantly monitored by analysis in the water column and bottom mud.	Yes	Yes

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									distance from the shore, the depth, the trophic properties of the environment and the relation with the current are suitable. The distance from the shore is at least 1100 m. Its distance to marine protected areas, beaches and archaeological sites is over 2000 m. It is important that the stock density is max 12kg / m3. The current (cm / s) is> 10 and above. The Nets are approved by the European Union. There is evidence that copper levels are <34 mg Cu / kg dry sediment weight. Bottom and water analyzes are monitored.	publications are followed with scientific articles. Continuous measurement of flow rates Creation of topographic and water bottom maps of the region Benthic, CU analysis Waste Tracking, Blue card data		
3	Aquaculture Activity	Sea grass	Aquaculture Sea Bream Sea Bass, Maintenance Feeding Medicine- Vaccine Application	Environmental pollution Water pollution, Benthic zone pollution	1	4	4	Moderately Important (Water Depth> 40m)	The farm does not operate in a protected area or Areas with High Protection Value (HICVA). There is no activity in habitats with endemic species and species considered to be endangered (CR, EN, VU) in the red list of IUCN.	Approval of the Aquaculture Certificate. EIA reports by the Ministry of Environment Control of species living in the region from IUCN redlist	Yes	Yes

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			Harvest Waste Management The use of Painted Net						it operates only in the Coordinates determined by the Ministry of Agriculture. Cultivated cages are at the maximum water depth. The farms established in terms of both the cultivated species and the ecological quality of the environment are deeper than 60 meters. The amount of production, the size of the area, the distance from the shore, the depth, the trophic properties of the environment and the relation with the current are suitable. The distance from the shore is at least 1100 m. Its distance to marine protected areas, beaches and archaeological sites is over 2000 m. It is important that the stock density is max 12 kg / m³. The current (cm / s) is> 10 and above. The Nets are approved by the European Union. There is evidence that copper levels are <34 mg Cu / kg dry sediment weight. Bottom and water analyzes are monitored.	The renewal of the visa as a result of the Aquaculture certificate issued for the facilities and the checks performed every three years During peak biomass months, the risk of eutrophication is constantly monitored by analysis in the water column and bottom mud. publications are followed with scientific articles. Continuous measurement of flow rates Creation of topographic and water bottom maps of the region Benthic, CU analysis Waste Tracking, Blue card data		
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3	Aquaculture Activity	Sea Creatures (Sea Mammals)	Aquaculture Sea Bream Sea Bass, Maintenance Feeding Medicine-Vaccine Application Harvest Waste Management The use of Painted Net	Environmental pollution Water pollution, Benthic zone pollution	2	4	8	İmportant	The farm does not operate in a protected area or Areas with High Protection Value (HICVA). There is no activity in habitats with endemic species and species considered to be endangered (CR, EN, VU) in the red list of IUCN. it operates only in the Coordinates determined by the Ministry of Agriculture. Cultivated cages are at the maximum water depth. The farms established in terms of both the cultivated species and the ecological quality of the environment are deeper than 60 meters. The amount of production, the size of the area, the distance from the shore, the depth, the trophic properties of the environment and the relation with the current are suitable. The distance from the shore is at least 1100 m. Its distance to marine protected areas, beaches and archaeological sites is over 2000 m. It is important that the stock density is max 12 kg / m3.	Approval of the Aquaculture Certificate. EIA reports by the Ministry of Environment Control of species living in the region from IUCN redlist The renewal of the visa as a result of the Aquaculture certificate issued for the facilities and the checks performed every three years During peak biomass months, the risk of eutrofication is constantly monitored by analysis in the water column and bottom mud. publications are followed with scientific articles. Continuous measurement of flow rates Creation of topographic and water bottom maps of the region Benthic, CU analysis Waste Tracking, Blue card data	Yes	Yes



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									The current (cm / s) is > 10 and above. The Nets are approved by the European Union. There is evidence that copper levels are <34 mg Cu / kg dry sediment weight. Bottom and water analyzes are monitored.			
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ENVIRONMENTAL IMPACT POINT EVALUATION TABLE			
$12 \leq \text{BIO} \leq 16$	A	VERY IMPORTANT	It should be monitored and observed with Water Analysis and Benthic Analysis. Detailed evaluation should be made with the Ministry of Environment
$8 \leq \text{BIO} < 12$	B	IMPORTANT	It should be monitored and observed with Water Analysis and Benthic Analysis
$4 \leq \text{BIO} < 8$	C	MODERATELY	Continued observation
$1 \leq \text{BIO} < 4$	D	UNIMPORTANT	No need to observe

Note: Evaluations with probability or severity max: 4 and legal regulations, ASC Standard requirements are the points to be followed.

Review Date : 10.07.2025
Review Team : Hakan Gökçek, Sevilsen Akkuş, Mehmet Avcı, Alper Ünsal, Mustafa Tuna

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