

Patara (Turkey)

Paolo Casale

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Predation

High levels of predation reported

Nests are caged

- Predation makes turtle reproduction being conservation-dependent
- Predators may have increased thanks to anthropogenic food sources and should not be considered as a natural factor

Structures/Objects

Southern access



Structures/Objects

- Potential problem if left during the night
- Limited part of the beach: limited impact
- Potential expansion in the future



Structures/Objects



➤ Potential expansion in the future

Fishing

- Potential problem for hatchlings and females



General development

- E.g. 415 new houses planned nearby
- Increasing human presence on the beach in the future



Patara: reasons of concern

Still almost pristine conditions, HOWEVER:

- Predation of eggs may dramatically reduce the reproductive output and nest protection is currently undertaken . Turtle population is partially conservation-dependent
- Structures/objects on the beach may interfere with nesting
- General development in the area will increase human presence and potential disturbance
- Inadequate management

Patara: Recommendations

- 1. Stop any further development (structures, roads, etc.)**
- 2. Regulate the extent and use of beach furniture**
- 3. Barriers for vehicles**
- 4. Enforce**
- 5. Protect all nests in areas frequented by humans**
- 6. Improve information**
- 7. Manage predators**
- 8. Set up long-term research and conservation programs conducted by the same team**

Fethiye (Turkey)



Paolo Casale

Strasbourg 2 Dec 2015

Permanent habitat reduction

Especially in Çalış: promenade

Vulnerable to Climate Change



The remaining wider tracts are valuable



Semi-Permanent habitat reduction



Semi-Permanent habitat reduction



Semi-Permanent habitat reduction





Semi-Permanent habitat reduction

Semi-Permanent habitat reduction



Semi-Permanent habitat reduction



Light pollution

Çalış promenade



Light pollution

Çalış promenade: view from the beach



Light pollution



Light pollution



Artificial bright horizon along the bay

Disturbance by night

High human presence on the beach

Recent non-permanent “barriers” for vehicles



Future development

Shipyard in Akgöl ?

One of the few undeveloped tracts: potential refuge area

High number of nests



Fethiye: reasons of concern

- Permanent and semi-permanent habitat reduction
- Intensive beach use by night
- Intensive light-pollution
- Vehicles
- Planned shipyard
- Inadequate management

Fethiye

SEVERE DEGRADATION

- Nesting highly impacted
 - Incubation + orientation highly conservation-dependent
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- Obvious lack of interest and poor management
 - Only a dramatic change of interest and management can reverse the situation

Fethiye: Recommendations

- 1. Stop any further development (structures, roads, etc.)**
- 2. Stop sand extraction**
- 3. Remove planted vegetation**
- 4. Coast zoning: furnitures allowed (A) or not (B) [based on current nests and pebbles/sand]**
- 5. In (A) furnitures only close to the sea and with low impact at night**
- 6. Prohibit access at night**
- 7. Remove structures from sandy zones in narrow tracts**
- 8. Minimize light pollution**
- 9. Permanent barriers for vehicles**
- 10. Enforce**
- 11. Protect all nests (until the situation improves)**
- 12. Improve information**
- 13. Set up long-term research and conservation programs conducted by the same team**