d Preliminary Evaluation of the State of the *Posid* Meadows on the Coasts of Alicante (Spain, Western Posidonia stribution and oceanica Mediterranean)

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The studied area includes the coasts of Alicante between San Antonio Cape of south of Roig Cape.

The P. <u>oceanica</u> meadows are widely represented along this coast, and there elso several works about their distribution and state. Some of these works of focused on certain especific places (7) (8) and some others are more extensified), with this work we try to give more recent information about the measouths area, that can also be useful to show what the evolution is in the last

C.7. With this work we try to give more recent information about the meadows this area, that can also be useful to show what the evolution is in the last wyears.

The work in the sea was developed during last two years. It consisted of the alization of perpendicular transects to the coast in scuba-diving with an one-n nydroplane from the level 0 to 20 m depth. In cliff areas, 27 m approximately n be sometimes reached.

Along the coast of Alicante the meadows are broadly distributed and there e many places where this biocoenosis reaches its climax state. This agrees with calities that not only have less density of human populatio but also have all industrial activity or even none. The Marine Reserve of Teoarca, Negro per-Calpe sector and south of Bendorm-Campello can be pointed out.

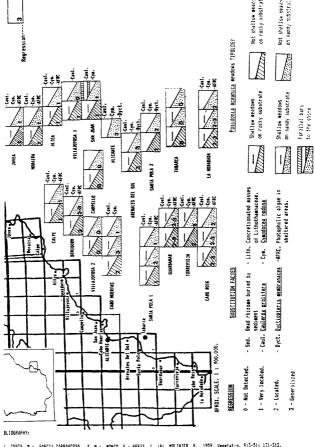
In general, the superior limits of the meadows start nearly in the shoreli-In this way, important P. oceanics recoverings can be already found in the rist meters of the infralitoral zone on sandy and rocky coasts of a smooth ope. These shallow zones of the meadows are the most degradated, and substitution facus corresponding to photophilic algae in sheltered areas, facies of cliopteris membranacea (4) (5), of Caulerna prolifera and of Cymodocea nodosa a resettled on them. C. prolifera and D. membranacea form very dense and repereceverings in Arenales del Sol and south of Santa Fola. Apart from these treations of the upper limits, these meadows are in very, good conditions in eper areas. In the plunging type cliffs this phanerogam grows from the bases of erocky wall itself.

The places where the lower limits of the meadows are above 20 m depth are sta few. Although the coverings with mud from this depth is very common, and adows are more deteriorated.

Except certain localities, several symthoms of alterations can be observed lalong the coast. Whereas in many places these alterations are local, in oters they are getting quite generalized like in the Alicante-Arenales del Sol intor for example.

It is important to mention that meadows

on Meadurs substrate sections.



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