

تراتيجية اللبنا

The de ignation of geographical entite in thi book, and the pre entation of the material, do not imply the expression of an opinion has been on the part of

1		4		7
		5		1
2	3	6	8	9

Content

Mini erial fore ord6
IUCN fore ord7
E ec i e mmar8
1.1. Lebanon' marine en ironmen, and hrea,
1.2. In erna ional agreemen, and commitmen,
1.3. Lebane e con er aion la rela ed o marine and coa al area
1.4. Role and re pon ibilitie of he different akeholder
1.5. Role of he Mini r of En ironmen in e abli hing and managing MPA
1.6. Managemen, r. c, re of he e i ing MPA
1.7. Marine Projected Area Net ork

2. Strateg for Lebanon' Marine Protected Area
3. The propo ed Marine Projected Area Net ork
3.1. Propo ed Marine Projected Area ite
3.2. Propo ed Marine Projected Area e , ar j.e
3.3. Propo ed deep ea je60
Concl, ion61
Reference
Anne

IUCN fore ord

The Medjerranean region i one of he mo in en el and hioricall important region on he plane, i h 7% of he orld' pop lation-liting along he coal, of he Medjerranean Sea hich i highl impacted b 32% of international of rim. The Sea ceer onl 0.8% of he otal rface of orld' dcean, b incl de 7% of all kno n marine pecie. Marine projected area ha e gained orld recognition a effective ool of project he marine en ironment, and a rong effort ha recent been made in the Medjerranean of create pecial projection of the perceited of contain the most all able marine habitat and pecie. Marine projected area are ho ender, no di trib ed in an ecologicall coherent and repre en atte ne, ork, most of them being located along the northern hore of the Medjerranean Sea.

The Marine Projected Area Strateg for Lebanon for nd in hi-olme ha been pearheaded by he Minit r of Entironment of the Rep blic of Lebanon, in cooperation it is the line mational Union for Contertiation of Nature (IUCN) it is the poor of other partner chat he Regional Activity Centre for Special Projected Area (RAC/SPA), he Spanith Agence for International Cooperation (AE-CID), the Alphonomo Of ce for National Park of Spain (OAPN) and the MAVA Follotticity of the strateg is an important, epiloard increa ed projection of the fragile coatal one of eatern Mediterranean colondria. We m igni can lep phe projection of Inerable eco em and ke biodi er i area, e peciall of o r ea here e are

ine ing change on an npreceden ed cale. The management effectione of Mediterrahean marine projected area more impreced of achie et al. The bioditer is concertion in 2020. IUCN is included hrough the Centre for Mediterrahean Cooperation and is Global Marine and Polar Programme in a nomber of pragmatic initiative to precere et and recore the biological integrit, and to imprece the generator of the Mediterrahean Sea in partner hip is hregional actor that have long been active in the ed. The elinch de the Regional Activit. Centre for Special Projected Area, WWF, the ACCOBAMS (Agreement on the Contert at on the Alantic Area), the General Filtherie Committion for the Mediterrahean (GFCM), the Mediterrahean) and the cient of marine projected area in the Mediterrahean) and the cient of committian a ella National Activitie of the region.

IUCN and he Gerenmen, of Lebanon are commined o orking ogeher and bilding on hi Strateg i h he aim of creating a ne ork of marine projected area ha contribute to he health of Lebanon' ea and marine en ironmen.

Jolia Marton hefere

J ,lia Maron-Lef-re Director General of IUCN (International Union for Contertation of Nature)

Marine projected area (MPA) have gained orld recognition a effective ool o project he marine en ironment, and are much in falo ir in the Mediterranean, there about a hundred of them have been declared during recent decade to grant, pecial projection of the perceived o contain the mount all able marine habits, and pecie. Emballed by the completitie of the ing their eal at a hole, the Mediterranean nation have releated o carrie of their remaining croling the from the eal, and in ggle to contert e them through MPA de ignation. In Lebanon, there are no legall declared marine projected ar-

In Lebanon, here are o legall declared marine projected area : he Palm I land Na re Re er e in North Lebanon and he T re Coa Na re Re er e in So th Lebanon. Pre en I, he MoE and IUCN are implementing in OAPN, AECID and MAVA f nding he project S Ma a I a Ma

Ha a a a 2 -26(a)-18(19()825(4)-159(0.927 05(4)-()-7()4U a TTO()-170.6313()3E2()-9(a)1()30EMC 0.0EMC)-81(EMC 0-17(

The Lebane e coa line e end -e er 240 km in leng h. The coa al area, hich con i, e aro nd 8% of he o al area of he con r, compri e 33 % of he o al b it- p area in he con r and ho 55% of he o al pop lajon (Dar Af-Handa aah & la rif, 2003). The Lebane e coa al area i par of he Medi erranean region ha i con idered a global bioei er i, ho po, l, ppor, an ama ing ei er i, and ab ndance of marine life and h man aci i je, con-rib ing o he Lebane e econom and offering enormo, poen-jal for f, re economic, ocial and c L ral bene, . Coa al one are ideal place he0(e)-8((e)-11(r)(14(.)11(C)-13(o)-)-8()-7 j()59(2-7)- LeW271 Cieaa.eoq 59(a)-15(r)-15(r)3 r, of orao di()59(2-7)-8()TJT(r

29ehe-8(a)-15(n)o29-

National projection of the Marine Projected Area in Lebanon maint the marine & coattal native relief e in enced b -e eral international contention and agreement, that have either been igned or rational by the Lebane eigeternment. The e con--- ention include:

In addition, the CBD ha man programme of ork including, o programme of ork direct related to marine & coat all projected area : 1) the programme of ork on projected area , 2) the programme of ork on marine & coat all biodities is .

The Programme of Work on Projected Area (POWPA) include 16 goal, divided acro 4 programme element. Goal 1.1 of the POWPA and it related arge, the follo ing:

Goal 1.1: To e abli h and rengthen national and regional em of projected area integrated into a global net ork a a conrib ion o globall agreed goal.

Targe: B 2010 erre riall and 2012 in he marine area, a global ne, ork of comprehen-i.e, repre en ai e and effect el managed na ional and regional projected area em i e abli hed.

Lebanon ha a range of legi la e and polic ol o e abli h and manage marine projected area. The Mini r of Entironmen, ha peci c manda e in hi regard and need to de elop hi Strateg to e abli h and manage a net ork of marine projected area in Lebanon and e change regional e perience in hi regard.

In addition, he MoE ill be eeking he cooperation of other adminitration having a mandate and re pon ibilitie in marinerelated i e oth a he Minitr of Agric Lire, Minitr of P blic Work and Tran port, Minitr of National Defence, Minitr of Interior and Minicipalitie a ellia other akeholder oth a local NGO, Filhermen' Order and local comminitie o en rethe proper management of MPA b ing a pertue6()-6(p)-8(35cWQg119(i)-7(o)-11(r)-139(a)-Im4()-243(i)-7(o)-1e(d)1(8(i)-)-6()-8(i)-1 The Mini r of Equironment (MoE) i the admini rate a thort -or erthe nature relation in Lebanon and i re pon ible for their

Periodicall, in he compan of he Managemen. Team (or other comminee or agence la fill re pon ible for he area), in peci

p blic land a ell a pri a e land , (3) de all he managemen , re of he na, re re or e (APAC and managemen, eam) and formall recognine the legal idention of the APAC, (4) addre e he nancing mechani m of he na re re $\,\rm er$ e , (5) gran he APAC he righ to collect en rance fee $\,$ and to impo e $\,$ ne $\,$ pon - iolation, (6) e oning o enco rage ainable e in ide he na re re er e be ide he ric con er a ion one:

2. The MoE de eloped a National Action Plan for Projected Area (NAPPA) i hin he frame ork of he S able In i jonal Sr , re re for Projec ed Area Managemen Projec (SISPAM, 2004-2006) erec red b rhe MoE and UNDP and f inded b rhe EU. The NAP-PA o line p rpo e , object e , and a k ha need o be f I lled in order o cce fill manage projected area in Lebarton. i a i ionar doc men ha ha de ermined he priori, aci jie and action for effective management of Projected Area in Lebanon. Lallocate role and re pon ibilitie and b dgete imate for he implementation of priori, activitie and action. Ba ed on he NAPPA, he MoE de eloped a draf, la programme o ec re he nece ar b,dge, from he p,blic, rea ,r for he implementation of he activite fore een in he NAPPA. Once he la programme i endor ed, he nece ar f,nd ill be allocated o nance he active and action onlined in the NAPPA. 3. The MoE, all on inder SISPAM, developed a nell PA categor

em ha i in pired b he IUCN cla i cation em for proected area and o ld compri e fo r categorie ; for each categor, criteria for he e abli hmen of he PA ere de ned, a ell a 🛓 managemen, objectire.

4. A national nancial , ainable rateg for PA ha ,gge ⊾ al erna, e mechani m for nancing PA managemen (de eloped nder SISPAM)

5. A databate for a ailable o rce of finding for PA among international o rce hich include a line of potential donor, condition and proced re for application (de eloped inder SIS-PAM)

6. A National Capaci. B ilding Strateg for ke pla er in PA managemen, r. c. re: MoE, APAC and managemen, eam (de el-oped inder SISPAM)

7. A Management ol ki, for Projected Area (de eloped inder SISPAM) incl ding: (a) Moni oring and e al a ion indica of for PA management, (a) Job de cription for PA management, eam , (b) Policie and proced re for impre-ed management.

PALM ISLANDS NATURE RR

TYRE COAST NATURE RESERVE (TCNR)

The TCNR a e abli hed b La no. 708 da ed Ne ember 5, 1998. The la have have a commissee e vabli hed hro gh a deciion from he Mini er of En ironmen, for a period of – e ear and incl ding – e ol neer nder ake he managemen of he ie; he ol neer repre en he follo ing in i jon :

M nicipali, of T re

Kaemakam or Gerenor of he ca a of T re

T o local NGO

Mini r of Agric , re

The c ,rren, managing comminee (APAC) of he TCNR i formed b repre en ai e of he:

Mini r of Agric re Kaemakam or Gerernor of he ca a of T re

M nicipali of T re Am aj (NGO)

The Projection of Entironment - T re (NGO).

Thi commissee (APAC) ork ,nder he esterall ,per i ion and poor from he Mini r of En fonmen (MoE). The managemen eam in he ca e of he TCNR incl de a pre en he re er e' manager, 2 f II ime ranger, 1 par ime ranger and an admini -rai e a i an A-e-ear Managemen Plan a de eloped for he TCNR. Thi Managemen Plan a prepared nder he Med-We Coa Projec, hich i an initiatie nder he Ram ar Con-ention. The regional projec, a e ec ed in i contrie e er a period of 7 ear from 1999 o 2006 and finded by the FFEM and national contribution from the e contrie. The national project a e ec ed in Lebanon by the Minit gr of Entironment and man-aged by the UNDP from 2002 o 2006. The Management Plan a prepared a part of different component the aim a contor ind prepared a par of differen componen ha aim a con er ing he biodi er i of global and regional importance in he Medierranean ba in. The Managemen Plan a de eloped in con La-ion in the local akeholder, and a endor ed b he Miniter of Environmen, (MoE) and recent b a decree from the Council of mini rie (decree 8044 da ed 25/4/2012) pon ini jai e and propo jion from he MoE.

The TCNR beach i a eas file (Caretta caretta) ne ing i.e. RAC/SPA: Sa ellie racking of marine file . Nabigha Dakik.

1.7. Marine Proper ed Area Ne ork

FUNCTIONS AND BENEFITS OF THE MPA NETWORK

MPA ne, ork can con rib e o ainable de elopmen, goal b fo ering in egra ed ea and coa al managemen, hro gh 3 in errela ed f nc ion and bene :

1. Ecological: he ne, ork can help main ain f no ional marine eco em b encompa ing he emporal and pajal cale of ecological em .

- 2. Social: he ne, ork can help re el e and manage con ic, in he e of na, ral re o rce .
- 3. Economical: he ne, ork can facilitate he ef cien, , e of reo rce .

NETWORK DESIGN AND APPROACH IN LEBANON

The objective of the Lebanon MPA net ork are:

To con er e marine biodi er i, and na, ral re o rce and
 To addre local marine re o rce managemen, need .

The cienți c de ign of he Lebanon MPA ne, ork i ba ed largel on a litera, re cienți c a e men of biodi er i al e and re ed e en-i el hro gh-ario, eld rip hich incl ded lard in pecțion (pplemented b a ellite image), norkelling (ide pool and hallo area of le han 5m dep.h) and SCUBA ei ing (5-20m dep.h) hene er appropria e. In er ie and di c ion i h local hermen from ario, area ere parțic larl in r eți e and rele an.

IUC	N Ca	Ma qu	
A	Strict Natire Relente	Sric! projected area e a ide o project biodi- er i and al o po ibl geological/geomorpho- logical feat re, here h man i jajon, e and impact als ric! controlled and limited o en- re projection of the con ertation al e. S ch projected area can erte a indi pen able refer- ence area for cienti c re earch and monitoring.	
ΙΒ	Wilderne Area	Projected area are all large nmodi ed or light modi ed area regaining heir na ral char- acter and in ence, tho permanen or igni- can h man habitation, hich are projected and managed o a o pre er e heir na ral condi- ion.	
II	Najional park	Projected area are large na ral or near na ral area e a ide o project large- cale ecological proce e along i h he complement of pecie and eco em characteri ic of he area, hich al o previde a foindation for en ironmental and c L rall compatible pirit al, cientic, ed ca- ional, recreational and im the 53-12(I)-15(J)-15(O) cc3rg-12(e)6(J)-106(I)-14(J)-17(n615(n)-33(f)6(e)- ch ra3-11(n)-12(i)-13(h45)TJT(3-16(r)-)(p)-16(e)-11 3-16(r)-1418f1(r)-23-16(r)-p app.o18r4d(N)-17(a a4254(J)-10(c)-9(i)-10(e)-4(o)-gpr-14(c).4(o)-T1(c)	16(o)-15o)-1 (o)-15(45)-1

C Ula a all a The MPA ne ork i elected in he aim of: E

LIST OF PROPOSED MPA IN LEBANON

Ba ed on he criteria men joned abe e, literative cienti c a e men. (Bariche, 2008; OCEANA, 2011; ACOOBAMS, 2010 and

Ρ ٠ MPA a 🦿 (😤)

According to the declaration b the GFCM (that agreement of all Medi erranean con rie), a Fi her Re ric ed Area ha been declared, banning ra ling acti ie for all he Medi erranean in MoE repor,) and e en i e eld re, he i e ere elected declared, banning ra ling aci i e for all he Medierranean in d e o heir richne and importance in bi0(f)1-161(i-7(i4e)-161-11de)) 5C 1perior (a) 14000110111 1debuietation (erritorial a er , hi area repre en abo 1,240 km², incl ding fo $,r\,$ peci c fea ,re , a de cribed b OCEANA (2010), namel :

- 15. Beir 🛌 E carpmen,
- 16. Sain George Can on,
- 17. J ,nieh Can on and

18. So r Can on.
Lebanon co Id en i age, o option : declare he hole area n-der 1000 m in he erritorial ater a an MPA, or declare he fo r fea, re pre ented abe e a for MPA a a deep ea ne ork tha common management plan.

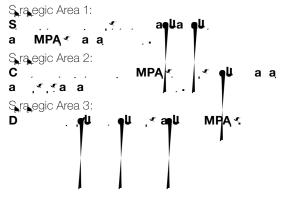
Par, 3 of hi doc men pre ide a hor de crip ion of he main fea, re (loca ion, q ali, and importance, Inerabili, , con er a-ion a, , habia, pe, cri eria applicable) and map for each propo ed i.e. For deep ea i.e., a propo al for he managemen. of peci c activitie i previded.

Thi frame ork propo e ra egic priori je for MPA in Lebanon. The e priori je are in harmoni a jon i h he req iremen, of he major in erna jonal con en jon in hi eld, in partic lar he biodier i -rela ed Con en jon and Agreemen, raj ed b he Geernmen, of Lebanon, mainl he Con en jon on Biological Di er i (CBD), he Speciall Projec ed Area and Biodi er j. Projocol inder he Barcelona Con en jon, he African-E ra ian Migra or Waer Bird Agreemen (AEWA), he Agreement on Con er a jon of Ce acean of he Black Sea, Medijerranean Sea and Con ig o Alan ic Area (ACCOBAMS) and he Ram ar Con en jon on Weland of Injerna jonal Importance e peciall a Wajerfo I Habija. The propo ed MPA ne, ork in Lebanon ill progre o ard becoming par, of an injegra ed coa al one management per pecid e, r a najonal, hen a Medijerranean-le el.

V,≪ :

AN EFFECTIVE MARINE PROTECTED AREAS NETWORK CONTRIBUTING TO SUSTAINABLE DEVELOPMENT BY ENHANCING NATURAL AND CULTURAL DIVERSITY.

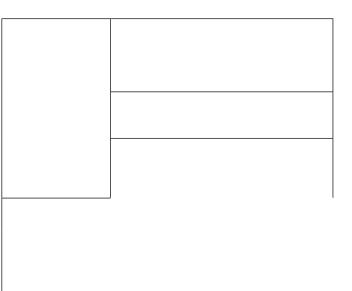
The c rren marine projected area trajeg include three trajegic area a follo :



The follo ing able de ne the objective nder each trategic area and the activitie needed to achieve each objective.



		1
	62. Se p indica or and monitoring o en re he proper implementation of the national nan- cial ainable rateg for PA.	
	63. Endor e he Program La prepared b he MoE o e ec e he NAPPA ha a de eloped b he MoE and in egra e he Program La in o	
	he national b dge of he GoL, hich ill en- re he proper b dge o implement he ac- right mentioned in he NAPPA including ho e related o MPA.	
	64. Mobili e nece ar nancial re o rce a na ional and in erna ional-le el o implemen, he action e in hi rateg on he MPA ne ork.	
O U 14: Die if So rce of F nding for Marine	65. Con in e o di b r e MoE f nd o PA incl ding MPA in Lebahon on an ann al ba i and o ne MPA once e abli hed.	
Projected Area Managemen	66. A di he MPA i rejen e and e pen e ann all.	
	67. Re ie and pda e if needed he da aba e de eloped b he MoE for a ailable o rce of f nding for PA among in ema ional o rce hich incl de a li of poen ial donor, condi- ion and proced re for application, and high- ligh among he donor here rele an ho e dedicated peci call o MPA and marine eco- em.	
	68. Di emina e he da aba e of all acce ible in ema ional and na ional o rce of f nding for PA.	
	69. Prepare and di rib e ann all a repor on MPA con rib or .	
O U 15: Update and Monitor E it ing B the Plan	70. Hire a b ine planning/ nancial e per o ap pen e0.75 he bee05(da e d)TJT hern eeded	
l	O72 ng Bn_ hoe 67. RA em A i carr-148(ng)-3463(ca
	03 Organi e p _e o _e hre o i je per earbe-	
)e0.(<mark>(</mark> comm
	naritanal latratregitation ne MPA once e ab- -le heid.	
	433 Plan and organi e p o, e i , per ear o/from Medjerranean co n rie (S ria, T rke , C pr , Mala, Greece, e.c.)3	
	•	



3. The propo ed Marine Properted Area Net ork

1.P , Ma P u A a ,	Sie 1: Na a Sie 1: Na a	
	Sije 2: S oli , «	
	الروشية Sije 3: Ra إلا إلا المعنية عني عني المعني Sije 3: Ra	
	Sie 4: B P a. a. حاجز ميناء بيروت	
	Sie 5: B 💉 الجبيل	
	Sie 6: M . الدفون a a	
	Sile 7: Ba P la a	
	رأس الشقعة Sije 8: Ra ≪C aall ◄	
	Sie 9: E P a di	
2. P 📪 MPA ⊑ 🦿 a 🛒 Ț	Sie 10: L, a E, ⊄ a	
	مصب نهر الأولي Sije 11: A a 🔮 a	
	Sije 12: Da 🦯 a	
	Siel3: Nala 👩 a	
	Sile13: Na I a * a مصب نهر ابراهيم Sile 14: A a * a	
3.P ,≪ D ,≪a,≪,≪ (a 1000)	The area co. ld be declared an MPA a one .ni. (i.e 15) or con idering he 4 peci c i.e (i.e 15 o 18) corre ponding o he for iden i ed fea, re . The management reg lation co. ld be he ame in boh care .	

The follo ing able ill rate the propo ed MPA net ork:

3.1.

Han El Shaer.

SITE 2: SIDON ROCKS

35 22' 4.32 Sidon Rock i loca ed in he marine a er of he ci, of Saida, loca ed in he ge ernora e of So h Lebanon.
I le of rock and erme id reef in he icini, of Saida. A beach compo ed of gra el fo nd nearb a ell a he e ar of he A all Ri er. Hard bo om in hallo area and rro hded b a and of bo om Saida (Sidon) incl de an archaeological and hi oric fea re i e ha a nomina ed (1984) a a UNESCO World Herjage Sie. Ver lo biodi er i , domina ed b in ro- d ced pecie.
Pre re on erme id pla form, hing act i ie, har e ing ac- i i ie; pear-hing, bla, hing (cap oon), agric L ral r noff, e age/ind, rial r noff, e rophication and recreational acti- ie.
l ola ed i land, UNESCO j.e.
Verme id pla form of mall o modera e i e; rock and coral- ligeneo concretion a hallo dep h; large rro nding of bo omarea con it ed mainl of and and it e ige of a ea- gra meado.
N r erie , feeding gro ,nd , habi a for of bo, om comm ,ni ie , habi a for eagra meado comm ,ni ie .

SITE 3: RAOUCHEH CLIFFS AND CAVES

Lella	33 53' 32.04 35 28' 13.38 Loca ed a Beir ,' e ern-mo , ip in he ge ernora e of Beir ,
Qa,a,a	Bea if I lime one cliff area i.h. o large anding rock forma- ion (Pigeon 'Rock). Shallo hard nder a er bo om e end- ing e er mo of he area. Sof bo om fo nd a grea er dep.h. Archaeological and hi oric i e and a pop lar o ri de ina ion (cale bar 250m).
Va.	

Mini <u>r</u> of To ri m in Lebanon

SITE 4: BEIRUT PORT OUTER PLATFORM

Lella	33 54'29.07 35 31'17.82 Loca ed in Beir , ci, , in he ge ernora e of Beir ,
Qa,a,a	Ar i cial i e compo ed of a long je. (>2km) ha project he por of Beir . Concrete r c, re a ell a rock and bo Ider of ario , i e create ar i cial cate and cretice hich act a an ar i cial reef.
Va.	Fi hing act i ie , har e ing act i ie , pear hing, bla hing (cap oon), agric L ral r noff , e age/ind rial r noff , e - rophication and important martime raf c.
C ,	To be de ned.
Ha_a_ ,*	Arti cial reef a hallo dep h; of bo om area; e ige of a ea- gra meado .
C, aa Ila	N r erie , pa ning gro nd , feeding gro nd , habi a for hard be om comm ni ie , habi a for of bo on comm ni ie .
	be om comm nije , habia for of bo on comm nije .

SITE 5: BYBLOS

Lella	34 07' 18.00 35 38' 38.35 Thi ie i loca ed in he ci of B blo . Ge ernora e of Nor h Lebanon. 40 km of Beir
Q [°] a, a , a qu	Large erma id reef i h igni can pond . A beach compo ed of gradel i found nor h of he area and he B blo hi poric por lie othe oth. Hard botom found in hallo area and of botom i h a eagra meado dominate deeper ater. Archaeologi- cal and hi poric feature.
Va.	Pre re on erme id pla form , hing activite , har e ing ac- - i i je ; pear hing, bla hing (cap oon), radi ional agric l- , ral r noff , e age/ind rial r noff , e rophica ion.
C ,* a ,*a ,*	Jbail (B blo) i a UNESCO World Heri age Si e (c L ral, III, IV & VI).
Ha , a , , *	Verma id pla form of relatel large i e; rock and coralligeno concretion a hallo dep.h; of bo om area th large ea- gra meado in deeper a er.
C, aa ¶Ua	N r erie , pa ning gro nd , feeding gro nd , habi a for hard boy om comm nijie , habi a for of boy om comm nijie , habi a for eagra meado comm nijie .
	· &

SITE 6: MEDFOUN ROCKY AREA



Lella	34 12' 29.49 35 38' 37.89 Loca ed in Nor, h Lebanon Gerernora, e, 50 km from Beir _N .
Qaa, aa, aelu	Rock area in modera e cliff Hard inder a er bouom in occa ional of bouom paiche. Thi area could be con idered a paril projected ince i lie i hin a militar area
Va.	Pre re on erme id pla form ; hing activite , har e ing ac- tivite , pear hing, bla , hing (cap oon), raditional agric , ral r noff , e age/ind , rial r noff .
C ,	To be de ned.
Ha , a , , *	Verma id reef and pool of modera e i e clo e o he rface; rock and coraligeno concretion a greater dep.h ; cretice and e erhang common, and occa ional of bottom patche pre en.
C, aa ¶ua	N r erie , pa ning gro nd , feeding gro nd , habi a for hard bo om comm nije , habi a for of bo on comm nije .

Han El Shaer.

SITE 7: BATROUN PHOENICIAN WALL

Lella	34 15' 3.54 35 39' 20.45 Loca ed in the Geternorate of North Lebanon, 55 km from Beir
Qia, a ,a¶U	

SITE 8: RAS CHEKAA CLIFFS

Lella	34 18' 47.56 35 40' 58.03 Loca ed in Nor h Lebanon Ge, ernora e, 60 km from Beir
Qaaa aalu	Lime one cliff area i h hard nder a er bo om and ca e . Land cape and ea cape i h c L ral and religio , impor- ance.
v	

SITE 9: ENFEH PENINSULA

34 21' 39.54 35 43' 37.93 Loca ed in the North Lebanon Geternorate. 63 km from Beir te
-

3.2. Propo ed Marine Projecied Area e jar

SITE 10: LITANI ESTUARY

Lella	33 20' 19.28 35 14' 42.05 Loca ed in So th Lebanon Geternorate. The first er rite in the fertile Beqaa Valle, e of Baalbek, and emptie in othe Medi- erranean Sea north of T re.	
Qaaaa	The Li ani Ri, er i an important a er re o rce in o hern Lebanon. E ceeding 140 km in leng h, i i he longe tri er in Lebanon and previde an e erage ann al o e imated a 920 million co- bic meter. The ater of he Li ani both originate and o entire i hin he border of Lebanon.	
	V 3-()-1 (3-)-1 -16-12(4(()-1(())	()-T10 1 ⁻

SITE 11: AWALLY ESTUARY

Lella	33 35' 18.90 35 23' 8.58 The A ali i a perennial i er o ing in So h Lebanon Gerennora e.	
Qaaaaa¶U	The A ali i a perennial it er o ing in So hern Lebanon. Li 48 kilome re (30 mi) long, origina ing from the Baro k mo nain a a heigh of 1,492 me re (4,895 f) and the Niha mo nain. The A ali i pplemented b o rib arie , the Baro k and Aara riter. The A ali i al o kno n a the Bi ritier in it pper ec- jon; i o thro gh the e ern face of Mo n Lebanon and ino the Mediterranean. The A ali if er ha a di charge of 10.1625 m ³ / (358.89 c f/), i form a ater hed i th an area of abo 294 km ² (114 d mi). The A all there e ar i important in erm of therie and eagra meado. Habitati a combination of ph ical feat re a8(m)-11(e)-10()-98cherm-18inal otton e -3()-8(pl-11()-9(i)-7(n)- d-3()-8(p)-3()-89riel ee 525.	

SITE 12: DAMOUR ESTUARY

Lella	33 42' 20.82 35 26' 23.15 Located in Sotth Lebanon Geternorate, in Damotrict, hich i it, ated at 24 km of thof Beirt.
Q [°] a, a ,a qu	The jei characteri ed b a and bottom area in eagra meado in patche. The etter i a nor er, pa ning and feeding ground for nomero pecie. The green to the Chelo- nian m da) ha been recorded in himing.
Va,	An area arge ed b hing activitie , agric L re activite , e - age/ind _rial r noff .
C ,* a ,*a ,*	• •

SITE 13: NAHR IBRAHIM ESTUARY

Lella	34 03' 49.95 35 38' 33.67 Ibrahim Ri er i a mall i er in he Mo n Lebanon Ge ernora e in Lebanon. L pa e hro gh he o h of Nahr Ibrahim before emp ing ino he Medjerrahean Sea. The o n ake i name from he ri er. Toda, i i one of he o ri a racion area in Lebanon.
Qa,a ,a qu	The i,e i charac eri ed b a and bo om area i,h eagra meado in pache. The e , ar i a n r er , pa ning and feeding gro nd for n ,mero , pecie. The green, r,le (<i>Chelonia</i> <i>mydas</i>) ha been recorded here.
Va, I	The area i arge ed b hing activite, agric , re activite, e age/ind rial rinoff.
C ,≮ a ,≮a ,≮	MPA _ao be determined. According othe decition of the Minit_r of Agric _L_re no. 385/1 dated Jantar 26, 1997, thing activities are prohibited in all etc. arie all ear round.
Ha,a, ,*	Coa al e land (e arie), and beache and marine ege a- ion bed .
C, aa Ua	Importance of threatened pecie and habits, , fragile habits, , lo recorder .

SITE 14: AREEDA ESTUARY

1

3.3. Propo ed deep ea Le

Lebanon' erritorial a er contain deep ea area, more han 1000 m dep h; he e area incl. de a n mber of habita, ha ma repre en potential ho, pot of bioditer i. Kno ledge of he

In both called , the follod ing management mean red could be en-

a. ban of ra ling a per he GFCM deci ion, keeping other hing echniq e (no, di , rbing he ea bo om) a per national legi lation and

b. application of the etiting national legitlation and international contention or agreement regulation for other h man activitie ch a maritime rafic, cable and pipeline, e ploration and e plotation of mineral re o rice (all ne activitie in the propoled MPA or MPA being bied to EIA and SEA) and c. pecilic content ation meatine for bibmarine archaeological or hit orical ite or particular pecie of importance.

In addition, if con idered appropriate, die to con er ation element, ch a the pre ence of marine mammal or deep ea cold coral, this is could be propoled a a SPAMI inder the Barcelona Contention.

I

YD