AREA DI RILEVANTE INTERESSE NAZIONALE DI BAGNOLI – COROGLIO (NA)

PIANO DI SVILUPPO E COESIONE DEL MINISTERO DELL'AMBIENTE E DELLA SICUREZZA ENERGETICA

D.P.C.M. 15.10.2015
Interventi per la bonifica ambientale e rigenerazione urbana dell'area di Bagnoli – Coroglio.

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DELLA SICUREZZA IN FASE DI PROGETTAZIONE PER APPALTO INTEGRATO, COMPRENSIVO DI SERVIZI DI INDAGINI E DI LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGICA, OLTRE AI SERVIZI DI DIREZIONE DEI LAVORI E DI COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE, AFFERENTE ALL'INTERVENTO DENOMINATO "RIMOZIONE COLMATA, BONIFICA DEGLI ARENILI EMERSI "NORD" E "SUD" E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPRESI NELL'AREA DI RILEVANTE INTERESSE NAZIONALE DI BAGNOLI–COROGLIO" (NA)"
CIG: 87792756EA – CUP: C65E19000350001 – CUP: C65E19000390001

Presidenza del Consiglio dei Ministri
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STAZIONE APPALTANTE

RESPONSABILE UNICO DEL PROCEDIMENTO: Ing. Lorenzo MORRA

RAGGRUPPAMENTO TEMPORANEO
_PROGER S.p.A. (mandataria)   _FINALCA INGEGNERIA S.r.l.
_AMBIENTE S.p.A.   _3BA S.r.l.
_RINA CONSULTING S.p.A.   _DHI SRL A SOCIO UNICO
_ARCADIS ITALIA S.r.l.   _ASPS Servizi Archeologici s.n.c.
Coordinatore della Progettazione e Responsabile della Integrazione delle Relazioni Specialistiche PMI
_Ing. M. Balzarini (RINA)
Responsabile Paesaggio, Ambiente, Naturalizzazione, Agroalimentare, Zootecnica, Ruralità, Foreste (CAT.P.03)
_Ing. L. Rossi (ARCADIS)
Responsabile Paesaggio, Ambiente, Naturalizzazione, Agroalimentare, Zootecnica, Ruralità, Foreste (CAT.P.01)
_Ing. E. Scanferla (PROGER)

Responsabile Strutture (CAT. S.03)	Responsabile Impianti (CAT. IB.06)	Responsabile Rilievi
_Ing. A. Tomarchio (RINA)	_Ing. G. Morlando (FINALCA)	_Geol. L. Bignotti (AMBIENTE)
Archeologo	Responsabile Acustica	Responsabile Indagini
_Dott. F. Tiboni (ASPS)	_Ing. C. Di Michele (PROGER)	_Geol. M. Mannocci (AMBIENTE)
Responsabile Paesaggistica	Responsabile Geologia	Resp. Test dimostrazione Tecno. –Rimozione Sedimenti
_Ing. F. Tamburini (AMBIENTE)	_Geol. M. Sandrucci (PROGER)	
Responsabile Aspetti Naturalistici e S.I.A.	Coor. Sicurezza in fase di Progettazione	_Geol. R. Costa (ARCADIS)
_Ing. L. Bertolé (ARCADIS)	_Ing. N. Sciarra (PROGER)	Resp. Test dimostrazione Tecno. –Capping
Responsabile della Modellazione Numerica	BIM MANAGER	
_Ing. A. Pedroncini (DHI)	_Geom. G. Pietrolungo (PROGER)	_Geol. P. Mauri (AMBIENTE)

Funzione Servizi di Ingegneria

Direzione Area Tecnica
Ambiente:
Ing. Edoardo Robortella Stacul

PROGETTO DEFINITIVO

ELABORATO			'7	120(	),50$
VALUTAZIONE DI INCIDENZA			5('$772	$ *XLGL $5&$',6	
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APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE D...
COORDINAMENTO DELLA SICUREZZA IN FASE DI PROGETTAZIONE PER APPALTO INT...
COMPRENSIVO DI SERVIZI DI INDAGINI E DI LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGIC...
SERVIZI DI DIREZIONE DEI LAVORI E DI COORDINAMENTO DELLA SICUREZZA IN FASE ES...
AFFERENTE ALL INTERVENTO DENOMINATO "RIMOZIONE COLMATA BONIFICA DEGLI ARENI...
"NORD" E "SUD" E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPRESI NELL'AREA DI...
INTERESSE NAZIONALE DI BAGNOLI COROGLIO NA"

VALUTAZIONE DI INCIDENZ...

Codice Elaborato   E   INV D   GE AM REL   ±...

Rev	Descrizione	Preparato	Controllato	Approv...
	EMISSIONE	Dott.ssa Anna Guidi	Ing. Dorela Bertolò / Ing. Edoardo Robortella Stracul	

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VALUTAZIONE D'INCIDENZA

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INDICE DELLE FIGURE

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35$5	3URJHWWR GL 5LVDQDPHQWR $PELHQWDOH H GL 5LJHQHUD]LRQH
6,	6WXGLR GL ,PSDWWR $PELHQWDOH
6,	6LWL GL ,PSRUWDQ]D &RPXQLWDULD
6,	6LWR GL ,QWHUHVVH 1D]LRQDOH
9,	9DOXWD]LRQH GL ,PSDWWR $PELHQWDOH
9,1&	9DOXWD]LRQH GL ,QFLGHQ]D $PELHQWDOH
=3	=RQH GL 3URWH]LRQH 6SHFLDOH
=6,	=RQH 6SHFLDOL GL &RQVHUYD]LRQH

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([HFXWLYH 6XPPDU\

,O SUHVHQWH GRFXPHQWR FRVWLWXLVFH 9DOXWD]LRQH GL ,QFLGHQ]D 9,QFS
3URJHWWR GH5QRPPLRQDWRFRROPDWD ERQLILFD GHJOL DUHQLOL HPHUVL ³QRUG
VHGLPHQWL PDULQL FRPSUHVL QHOO¶DUHD GL ULOHYDQWLQWFXLQWHURSRVVHQQWH
,QYLWDOLD O¶$JHQ]LD QD]LRQDOH SHU OR VYLOXSSR GL SURSULHWj GHO 0
6RJJHWWR $WWXDWRUH DL VHQVL GHOO¶DUW   GHO '/ Q   GHO 3U
5LJHQHUD]LRQH 8UEDQD GL %DJQROL ± &RURJOLR

/¶DUHD GL LQWHUYHQWR ULVXOWD SRVWD LQ SURVVLPLWj GL DOFXQL VLWL W
    SHU WDOH PRWLYR DO ILQH GL YHULILFDUH O¶LQFLGHQ]D GHOOH RSHU
QHOO¶LQWRUQR q VWDWD UHGDWWD OD SUHVHQWH 9DOXWD]LRQH GL ,1&LGH
OLQHD FRQ OH GLVSRVL]LRQL GHO ' 3 5 1R   GHOO¶ VHWWHPEUH   PRG
PDU]R   H TXLQGL FRQ OH 'LUHWWLYH (XURSHH LQ SDUWLFRODUH OD
'LUHWWLYD ³8FFHOOL´ VRVWLWXLWD GDOOD   &(

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,O SUHVHQWH GRFXPHQWR FRVWLWXLVFH 9DOXWD]LRQH GL ,QFLGHQ]D 9,QFD
3URJHWWR GH5QRPPLQDWRFRPDWD ERQLILFD GHJOL DUHQLOL HPHUVL ³QRUG
VHGLPHQWL PDULQL FRPSUHVL QHOO¶DUHD GL ULOHYDQWLFXLQWHUHVRVVHQQWH
,QYLWDOLD O¶$JHQ]LD QD]LRQDOH SHU OR VYLOXSSR GL SURSULHWj GHO 0L
6RJJHWWR $WWXDWRUH DL VHQVL GHOO¶DUW GHO '/ Q GHO 3U
5LJHQHUD]LRQH 8UEDQD GL %DJQROL ± &RURJOLR 1HOOR VSHFLILFR O¶DUHD
VLVL WXWHODWL D OLYHOOR FRPXQLWDULR DSSDUWHQHQWL DOOD 5HWH 1DWX
)LJXUD

7DEHOOD $UHH &RPXQLWDULH 3URWHWWH

7LSR GL SURWH	&RGLF	1RPH	8ELFD]LRQH PLQLPD ULVSHWW	
6,&	,7	)RQGDOL 0DULQL GL *DLROD H 1LVLGD	,VWDQ]D PLQLPD GL FLUFD	NP LQ GL
6,&	,7	3RUWR 3DRQH 2YHVW	'LVWDQD PLQLPD GL FLUFD	NP LQ GL
6,&	,7	$UHH XPLGH GHO FUDWHUH GL $JQDQR	,VWDQ]D PLQLPD GL FLUFD	NP LQ GLU
6,&	,7	6WDJLRQL GL &DFDOGDULXP GL 3R]]XROL	'LVWDQ]D PLQLPD GL FLUFD	NP LQ GLU
6,& =36	,7	&UDWHUH GL $VWURQL 1RUG 2YHVW	'LVWDQ]D PLQLPD GL FLUFD	NP LQ GOLU
6,&	,7	&ROOLQD GHL &DPDOGROL 1RUG (VW	'LVWDQ]D PLQLPD GL FLUFD	NP LQ GOLU

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³5HWH 1DWXUD   ´ UDSSUHVHQWD XQD UHWH HFRORJLFD HXURSHD FRVWLW
SDUWLFRODUL]RQH GL SURWH]LRQH QHOOH TXDOL q SULRULWDULD OD FR
SDUWLFRODUH ULIHULPHQWR DOOD WXWHOD GL GHWHUPLQDWH VSHFLH DQL
GHJOL KDELWDW GL YLWD GL WDOL VSHFLH /D 5HWH 1DWXUD   VL FRPSRQ

9   ³6LWL GL ,PSRUWDQ]D &RPXQLWDULD 6,& ´ LQGLYLGXDWL DL VHQVL GH
    GHQRPLQDWD 'LUHWWLYD ³+DELWDW´ UHODWLYD DOOD FRQVHUYD]LRQH G
    IORUD H GHOOD IDXQD VHOYDWLFD 4XHVWL VLWL YHQJRQR SURSRVWL
    (XURSHR SHU LO ULFRQRVFLPHQWR GL ³=RQH 6SHFLDOL GL &RQVHUYD]LRQ

9   ³=RQH GL 3URWH]LRQH 6SHFLDOH =36 ´ LQGLYLGXDWH DL VHQVL GHOO
    GHQRPLQDWD 'LUHWWLYD ³8FFHOOL´ FRQFHUQHQWH OD FRQVHUYD]LRQH G

1HL VLWL 6,& H =36 GHYH HVVHUH JDUDQWLWD OD FRQVHUYD]LRQH GL KD
HQGHPLFKH ,Q ,WDOLD OD 'LUHWWLYD ³8FFHOOL´ q VWDWD UHFHSLWD FRQ /H
GHOOD IDXQD VHOYDWLFD RPHRWHUPH H SHU LO SUHOLHYR YHQDWRULR PH
Q   GHO   5HJRODPHQWR UHFDQWH DWWXD]LRQH GHOOD 'LUHWWLY
KDELWDW QDWXUDOL H VHPLQDWXUDOL QRQFKp GHOOD IORUD H GHOOD IDX
&((

3HU WDOH PRWLYR RJQL LQWHUYHQWR FKH SRVVD LQGXUUH LPSDWWL VXOO
VRJJHWWR D 9DOXWD]LRQH G¶,QFLGHQ]D FRVu FRPH SUHYLVWR GDOO¶DUW SDURJUDIR GHO '3 5
UHFDQWH DWWXD]LRQH GHOOD 'LUHWWLYD   &((UHODWLYD DOOD FRQVHUY
GHOOD IORUD H GHOOD IDXQD VHOYDWLFD PRGLILFDWR GDO '35

&RQFOXGHQGR LQ FRQVLGHUD]LRQH GHOOD GLVWDQ]D GHL VLWL 5HWH 1DWX
DWWLYLWj SUHYLVWH q VWDWD UHGDWWD OD SUHVHQWH 9DOXWD]LRQH GL ,1
LQ OLQHD FRQ OH GLVSRVL]LRQL GHO ' 3 5 1R   GHOO¶ VHWWHPEUH   F
  PDU]R   H TXLQGL FRQ OH 'LUHWWLYH (XURSHH LQ SDUWLFRODUH OD
'LUHWWLYD ³8FFHOOL´ VRVWLWXLWD GDDOO   &(

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/D 3URFHGXUD GL 9DOXWD]LRQH G¶,QFLGHQ]D 9,QF$ q XQ SURFHGLPHQWR R
VH LO SURJHWWR SURSRVWR GD DWWXDUVL VHFRQGR PRGDOLWj GHILQLWH
XOWHULRUL GHWWDJOL VLD FRPSDWLELOH FRQ JOL RELHWWLYL GL FRQV
=RQH GL 3URWH]LRQH 6SHFLDOH =36 GL 5HWH 1DWXUD   LQWHUHVVDW GDO

/H SULQFLSDOL GLVSRVL]LRQL GL ULIHULPHQWR VRQR UDSSUHVHQWDWH GDO
KDELWDW QDWXUDOL 1DWXUD   H GHJOL XFFHOOL VHOYDWLFL LQ SDUWL

9   'LUHWWLYD   &(FRQFHUQHQWH OD FRQVHUYD]LRQH GHJOL XFFHOOL V

9   'LUHWWLYD   &((&RQVHUYD]LRQH GHJOL KDELWDW QDWXUDOL H VHPLQ
    FRQ GDWD GL DWWXD]LRQH

/D QRUPDWLYD QD]LRQDOH q FRVWLWXLWD GDL VHJXHQWL 'HFUHWL

9   ' 3 5 Q   * 8 Q   GHO 5HJRODPHQWR ³WR UHFDQWH DWWXD]LRQH GHOO
    UHODWLYD DOOD FRQVHUYD]LRQH GHJOL KDELWDW QDWXUDOL´H VHPLQDWX
    FRPH DJJLRUQDWR GDO ' 3 5 Q   * 85 HQ OD PRGGHOO WR UHFDQWH PRGLI
    LQWHJUD]LRQL DO ' 3 5   GHO   FRQFHUHQWH O¶DWWXD]LRQH
    FRQVHUYD]LRQH GHJOL KDELWDW QDWXUDOL H VHPLQDWXUDOL QRQFKp G

9   'HFUHWR GHO 0LQLVWHUR GHOO¶$PELHQWH ' 0   * 8 Q   GHO
    H GHOOH =36 VXO WHUULWRULR LWDOLDQR

/D 5HJLRQH &DPSDQLD KD HPDQDWR FRQ 'HFUHWR 'LULJHQ]LDOH GHOOD
SXEEOLFDWR VXO %85& Q Q   GHO   ³/H PLVXUH GL FRQVHUYD]LRQH YDOLGH SHU WXWWL L
GHVLJQD]LRQH GHOOH =6& GHOOD UHWH QDWXUD   GHOOD 5HJLRQH &DPSD

/¶RELHWWLYR SULPDULR GHOOH DWWLYLWj FRQRVFLWLYH GHOOD YDOXWD]
LQFLGHQ]H VXOOH GLYHUVH FRPSRQHQWL DPELHQWDOL FRLQYROWH KDELW
SHU GHWHUPLQDUH LQ SDUWLFRODUH O¶HQWLWj GHOOH LQFLGHQ]H H OD S
RELHWWLYL GL FRQVHUYD]LRQH GHO 6,& R GHOOD =36

9$/87$=,21(,', ,1&,'(1=$

, FRQWHQXWL PLQLPL GHOOD UHDO]LRQH SHU OD 9DOXWD]LRQH GL ,QFLGHQ]D VRQR

9 &DUDWWHULVWLFKH GHL SLDQL H SURJHWWL

9 $UHD YDVWD GL LQIOXHQ]D GHL SLDQL H SURJHWWL   LQWHUIHUHQ]H FRQ

5LVXOWD HVVHQ]LDOH HYLGHQ]LDUH FKH DL VHQVL GHOO¶DUWLFROR   FRP
GL 9,$ ULFRPSUHQG OD SURFHGXUD GL 9DOXWD]LRQH G¶,QFLGHQ]D GL FXL
PRWLYR RLO SUHVHQWH GRFXPHQWR FRVWLWXLVFH HODERUDWR LQWHJUDQW
YDOXWD]LRQH DO TXDOH VL ULPDQGD SHU XOWHULRUL GHWWDJOL HODERUL

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/D 9DOXWD]LRQH G ,QFLGHQ]D 9,QF$ q GLVFLSOLQDWD GDOO¶DUW   GHO '
PDJJLR   VRVWLWXWR GHOO¶DUW   GHO '35 VHWWHPEUH   Q   GL
GLUHWWLYD +DELWDW QHOOD QRUPDWLYD LWDOLDQD 1HOOR VSHFLILFR
VRWWRSRUUH D YDOXWD]LRQH G¶LQFLGHQ]D WXWWL JOL LQWHUYHQWL QRQ
XQR VWDWR GL FRQVHUYD]LRQH VRGGLVIDFHQWH GHOOH VSHFLH H GHJOL KD
DYHUH LQFLGHQ]H VLJQLILFDWLYH VXO VLWR VWHVVR VLQJRODUPHQWH R FR

, SURSRQHQWL GL SLDQL H LQWHUYHQWL QRQ ILQDOL]]DWL XQFDPHQWH DOO
    SUHVHQWDQR DO JHVWRUH OD YDOXWD]LRQH ¶LQFLGHQ]D LQGLYLGXHH DYDOXWDUH L SULQF
R O LQWHUYHQWR SXz DYHUH VXO VLWR LQWHUHVVDWR /R VWXGLR GHYH
'35   H FRQWHQHUH

9 XQD GHVFUL]LRQH GHWWDJOLDWD GHO SLDQR R GHO SURJHWWR FKH IDF
D]LRQL H R GHOOH RSHUH DOOD GLPHQVLRQH DOOD FRPSOHPHQWDULW
QDWXUDOL DOOD SURGX]LRQH GL ULILXWL DOO LQTXLQDPHQWR H DO G
ULJXDUGR OH VRVWDQ]H H OH WHFQRORJLH XWLOL]]DWH

9 XQ DQDOLVL GHOOH LQWHUIHUHQ]H GHO SLDQR R SURJHWWR FRO VLV
FRQVLGHUD]LRQH OH FRPSRQHQWL ELRWLFKH DELRWLFKH H OH FRQQL
ULJHQHUD]LRQH GHOOH ULVRUVH QDWXUDOL H OD FDSDFLWj GL FDULFR

/D SURFHGXUD GHOOD YDOXWD]LRQH G¶LQFLGHQ]D GHYH IRUQLUH XQD GRF
SULQFLSDOL HIIHWWL FKH LO SLDQR SURJHWWR R LQWHUYHQWR SXz DYHU
FRQVHUYD]LRQH GHO PHGHVLPR

,O PRGHOOR PHWRGRORJLFR GHOOD YDOXWD]LRQH GL LQFLGHQ]D GPHOLGHRO]D DQ]L DUSWUHRGGHHQQWW
VLJQLILFDQWR DIIHFWLQJ 1DWXUD   VLWHV 0HWKRGRORJLFDO JXLGDQFH
+DELWDWV 'LUHFWLYH GDWWR (&DOO 2[IRUG %URRNHV 8QLYHUVLW\ SHU FRQ
$PELHQWH

/D PHWRGRORJLD H OD SURFHGXUD LQGLFDWD QHOOD JXLGD GHOOD &RPPLVV

,,9(//2   YHULILFD VRUHFRLHQLQJ FKH LGHQWLILFD OD SRVVLELOH LQFLGHQ]D
1DWXUD   GL XQ SLDQR R XQ SURJHWWR VLQJRODUPHQWH R FRQJLXQWD
DOO HIIHWWXD]LRQH GL XQD YDOXWD]LRQH G LQFLGHQ]D FRPSOHWD TXDORU

,,9(//2   YDOXWD]LRQH DSSURSLDVLDGHOO LQFLGHQ]D GHO SLDQR R GHO SU
VLQJRODUPHQWH R FRQJLXQWDPHQWH DG DOWUL SLDQL R SURJHWWL QHO U
VXRL RELHWWLYL GL FRQVHUYD]LRQH H LQGLYLGXD]LRQH GHOOH PLVXUH GL

,,9(//2   DQDOLVL GL VROX]LRQL DOWLQGLYLGXDJRQHYH DQDOLVL GL HYHQWXDOL
UDJJLXQJHUH JOL RELHWWLYL GHO SURJHWWR R GHO SLDQR HYLWDQGR LQF

,,9(//2   GHILQL]LRQH GL PLVXUH GL LQGRQLYILGHXQDVJUD]LRQHH GL D]LRQL DQFKH SUHY
ELODQFLDUH OH LQFLGHQ]H SUHYLVWH QHL FDVL LQ FXL QRQ HVLVWDQR VR
FRPXQTXH DVSHWWL FRQ LQFLGHQ]D QHJDWLYD PD SHU PRWLYL LPSHUDWLY
FKH LO SURJHWWR R LO SLDQR YHQJD FRPXQTXH UHDOL]]DWR

6H DO WHUPLQH GHOOD IDVH , VL JLXQJH DOO FRQFOXVLRQH FKH QRQ VXVV
QRQ q QHFHVVDULR SURFHGHUH DL OLYHOOL VXFFHVVLYL GHOOD YDOXWD]LR

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³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', ', &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$
&RGLFH (ODERUDWR   (,19 ' *($0 5(/   ± $JRVWR

3DJH

)LJXUD   /LYHOOL GHOOD 9DOXWD]LRQH GL ,QFLGHQ]D
)RQWH /LQHH JXLGD QD]LRQDOL SHU OD YDOXWD]LRQH G¶LQFLGHQ]

9$/87$=,21(', ,1&,'(1=$

'(6&5,=,21('(/ 352*(772

8%,&$=,21('(/ 352*(772

/¶DUHD GL LQWHUYHQWR GDO SXQWR GL YLVWD WHUULWRULDOH H SDHVDJJ
YHUVDQWL FROOLQDUL DOO¶LQWHUQR GHO FDUDWWHULVWLFR WHUULWRULR

/¶DUHD GL 3URJHWWR FKH KD XQ¶HVWHQVLRQH GL FLUFD   HWWDUL D WU
ULVXOWD GHOLPLWDWD DG 2YHVW GDO FHQWUR DELWDWR GL %DJQROL D 1R
%DJQROL &RURJOLR ROWUH LO TXDOH VL FROORFD)XRULJURWWD DG (VW G
GL SUHJLR SDHVDJJLVWLFR PHQWH D VXG O¶DUHD VL DIIDFFLD VXO PDUH

/¶LQWRUQR GHOO¶DUHD GL 3URJHWWR ULVXOWD GHQVDPHQWH XUEDQL]]DWR
FHQWUL XUEDQL %DJQRO 5LRQH &DYDOOHJJHUL)XRULJURWWD H 3RVLOOL

)LJXUD   ,QTXDGUDPHQWR GD &DUWD &75   HOHPHQWR Q
)RQWH 5HJLRQH &DPSDQLD

,O SURJHWWR LQ RJJHWWR UDSSUHVHQWD XQ WDVVHOOR IRQGDPHQWDOH
5LJHQHUD]LRQH 8UEDQD GL %DJQROL GL VHJXLWR 35$58 LO FXL 6WUDOFLR
17$ VRQR VWDWL DSSURYDWL QHOOD &RQIHUHQ]D GL 6HUYL]L &G6 GHO
'HFUHWR Q   GHO   JLXJQR   H GDO 3UHVLGHQWH GHOOD 5HSXEEOLFD FR

/¶DUHD LQWHUHVVDWD GDO SURJHWWR FRUULVSRQGH DO IURQWH PDUH GHO
&RURJOLR HG DO WHUULWRULR GHOO¶¶5,1 %DJQROL &RURJOLR ,Q SDUWLFRO
GL %DJQROL D 1RUG GD)XRULJURWWD DG (VW GDOOD &ROOLQD GL 3RVL
SDHVDJJLVWLFR 'L VHJXLWR XQ LQTXDGUDPHQWR VX IRWR VDWHOOLWDUH G

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('()),1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1((', /$925, ', 7(67 ', ,02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ,'5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//,1
³5,02=,21(&2/07$ %21,)&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21(', 6(',0(17, 0$5,1 &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$

)LJXUD   ,QTXDGUDPHQWR GHOO¶$UHD GL 6LWR VXSHUILFL LQWHUHVVDW

/H DUHH RJJHWWR GL LQWHUYHQWR VXOOD OLQHD GL FRVWD VDUDQQR ULF
FROOHWWRUH GL %DJQROL H O¶LQIUDVWUXWWXUD GL FKLXVXUD GHOO¶LVWP

)LJXUD $UHH GL LQWHUYHQWR H VWUXWWXUH ULJLGH V
1RWH 5RVVR OLQHD GL FRVWD DWWXDOH %OX /LQHD GL FRVWD G

33/72 0,672 ', 6(59,=, ', ,1*(*1,5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21(')(),1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1, (',/,&925, ', 7(67 ', ,'02675$=,21(7(&1,&2*,&$&$ 2/75($,
6(59,=, ', ,'5(=,21(')(/$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($)))5(17($// ,1
³5,02=,21(&2/07$ %1,),$& '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(16, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$´

'(6&5,=,21('(/ 352*(772

*OL RELHWWLYL GHO SURJHWWR GHILQLWL QHO 3URJHWWR GL 5LVDQDPHQWR
DJJLRUQDWR DO /XJOLR   VRQR

9 %RQLILFDUH H ULVDQDUHLQ DOOLQDL HFFRVWDOLGLXRYD YRFD]LRQH GHOO¶DUHD
   OLQHD GL FRVWD DWWUDYHUVR OD ULPR]LRQH GHOO¶DUHD GL FROPDWD
   PHPUVL GD 1RUG D 6XG 6DUDQQR DQFKH UHDOL]]DWL LQWHUYHQWL GL E
   FRVWLHUD ³:DWHUIURQW´ LO FKH ULFKLHGH FRPH D]LRQH OD ULPR]LRQH

9 3URFHGHUH DO ULVDQDPHQWR GHOOH DUHH PDULQH FKH SUHVHOOWDQ DO
   OLQHD FRQ OD QXRYD YRFD]LRQH GHOO¶DUHD VDUDQQR ULFRVWLWXLW
   O¶RELHWWLYR GL EDOQHDELOLWj GHOOR VSHFFKLR DFTXR DQWLVWDQWH

2SHUH D 0DUH

,O SURJHWWR q VWDWR FRQFHSLWR LQ PRGR WDOH GD JDUDQWLUH XQ¶DGHJ
GL LQWHUYHQWR H FRQWHPSRUDQHDPHQWH DVVLFXUDUH DGHJXDWL FRQGL]
ULYD q VWDWD TXLQGL GHWHUPLQDWD DO ILQH GL FRQWHPSHUDUH OD JLDI
VWDELOLWj D OXQJR WHUPLQH IDFHQGR DPSLR ULFRUVR DOO¶DXVLOLR GHL
(,19 ' *(55 5(/   /H RSHUH GL VWDELOL]]D]LRQH H SURWH]LRQ
RWWLPL]]DWH FRPH VHJXH SHU O¶XELFD]LRQH VL YHGD SUHFHGHQWH)LJXU

9 2SHUH GL VWDELOL]]D]LRQH WUDVYHUVDOL SHQQHOOL RUWRJRQDOL DOO

   x 3HQQHOOR GL FKLXVXUD ³1RUG´ FRQ UDGLFH SURVVLPD DOOD IRFH G
      VLQLVWUD FRQ OD IXQ]LRQH GL JDUDQWLUH DGHJXDWH FRQGL]LRQL
      LVRODPHQWR ULVSHWWR DOOH DUHH HVWHUQ

   x 3HQQHOOR R 6HWWR ³,QWHUPHGLR &HQWUDOH´ VRWWR SRQWLOH U
      HVLVWHQWH SRQWLOH 1RUG LO SRQWLOH 1RUG DWWXDOPHQWH VX
      PRGLILFDWR QHO SULPR WUDWWR LQ PRGR GD JDUDQWLUH DO QXRYR D
      VHQ]D GHWHUPLQDUH XQ XOWHULRUH LPSDWWR GDO SXQWR GL YLVWD S

   x 3HQQHOOR GL FKLXVXUD ³6XG´ DVVXPH OD PHGHVLP IXQ]LRQH GL FR
      ³1RUG´ JDUDQWHQGR DGHJXDWH FRQGL]LRQL GL VWDELOLWj DO ULSDV
      DUHH HVWHUQ

9 2SHUH GL VWDELOL]]D]LRQH ORQJLWXGLQDOL VFRJOLHUD SDUDOOHOD DO

   x 6FRJOLHUD 6RPPHUVD ILQDOL]]DWD DOO¶DWWHQXD]LRQH GHOO¶HQHUJ
      D JDUDQWLUH FRQGL]LRQL GL VWDELOLWj QHOO¶DUHD RJJHWWR GL UH
      SHQQHOOL GL FKLXVXUD 1HOO¶RWWLFD GL XQ¶HFRQRPLD FLUFRODUH
      VL SUHYHGH LO VDOSDPHQWR GL WXWWH OH VFRJOLHUH UDGHQWL H
      WUDWWDPHQWR GL ODYDJJLR RYH QHFHVVDULR GHL UHODWLYL HOHPHO

/D OLQHD GL ULYD GL SURJHWWR GL VHJXLWR /G5 q UDSSUHVHQWDWD JUDI
SRVVLELOH DSSUH]]DUH OD ULGHILQL]LRQH GHOOD IDVFLD FRVWLHUD ULVSH

'¶DOWUD SDUWH OD PRGHOOD]LRQH KD DOWUHVu PHVVR LQ HYLGHQ]D OD V
IRUPD]LRQH GL QXPHURVL YRUWLFL QHOOD]RQD D 1RUG GHO WUDWWR RJJHW
FRVWLHUD 3HU WDOH PRWLYR q VWDWD SUHYLVWD OD UHDOL]]D]LRQH GL SXHO WX
IDVFLD FRPSUHVD WUD OD EDWLPHWULFD GL   P LQ FRUULVSRQGHQ]D GHO S
VLQR D   P ROWUH OD EDWLPHWULFD P DUHDH QRQ RJJHWWR GL HVV
QHFHVVDULR FRPH JDUDQ]LD FKH LQ FDVR GL IRUWL PDUHJJLDWH L VHGLP
QRQ ERQLILFDWD SRVVDQR HVVHUH PHVVL LQ VRVSHQVLRQH H VXFFHVVLYDP

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO D[...]
PROGETTAZIONE PER APPALTO INTEGRATO COMPRENSIVO INDAGINE DI LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGICA OLTRE AI
SERVIZI DI DIREZIONE DEI LAVORI ED COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTE ALL IN
RIMOZIONE COLMATA BONIFICA DEGLI ARENILI EMERSI D EI SIANAMENTO E GESTIONE DEI SEDIMENTI MARIN COMPRESI NELL'AREA D
RILEVANTE INTERESSE NAZIONALE DI COROGLIO NA D

VALUTAZIONE DI INCIDENZA

Figura   Area interessata da Capping

Il progetto prevede attività di dragaggio ed scavo dei sedimi o[...]
successivo ripacimento presenterà in ogni punto e in ogni momen[...]
dello strato di sabbia di prestito priva di contaminanti tale[...]
rischi connessi alle caratteristiche di contaminazione dei sedi[...]

Opere a Terra

Arenili emersi Nord e Sud

A livello generale le attività di realizzazione dell LdR progett[...]
in parallelo sia nella Microcella Nord si veda Figura   sia n[...]
anticiperanno le attività di risanamento dell Macrocella fru[...]
trattamento dei sedimenti escavati

Prima di avviare le attività di risanamento vere e proprie sarà n[...]

> Fase preparazione delle aree tecniche di cantiere che sara[...]
> preliminare sarà installato in corrispondenza della colmat[...]
> dell'ex area industriale in maniera tale da ripartire le vo[...]
> interferenze con via Coroglio

> Fase esecuzione di opere propedeutiche quali

> a   pulizia delle aree di lavoro
> b   bonifica bellica sia delle aree a terra   sia delle aree[...]
> c   rilievi topografici e batimetrici
> d   caratterizzazione preliminare delle aree non oggetto[...]
> e   messa in sicurezza del Pontile Nord

> Fase verifica ed eventualemente aggiornamente della progett[...]
> topografici batimetrici e dei risultati della analisi di car[...]

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352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1, (', /$925, ', 7(67 ', ',02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21(', 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

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)LJXUD 0LFURFHOOD QRUG
5RVVR LQ YHUGH O¶DUHD GL HVFDYR LQ JLDOOR O¶DUHD GL ULSD

)LJXUD =RQD $UHQLOH 6XG
5RVVR LQ YHUGH O¶DUHD GL HVFDYR LQ JLDOOR O¶DUHD GL ULSD

9$/87$=,21(', ,1&,'(1=$

$ YDOOH GHOOH DWWLYLWj VRSUD HOHQFDWH SRWUDQQ…DRVHHVFKUH HVHJJ…
FRPSUHQGHUDQQR

 D ULOLHYL H WUDFFLDPHQWL LQL]LDOL SHU SLDQLILFDUH OD PRYLPHQW…

  9 O¶HVFDYR GHL PDWHULDOL VLQR DOOH TXRWH SUHYLVWH 6DUDQ…
  IXQ]LRQH GHOO¶XELFD]LRQH GHOOH GLYHUVH DUHH GL HVFDYR SHU…
  WUDPLWH HVFDYDWRUL FLQJRODWL FKH RSHUHUDQQR GLUHWWDPH…
  FROPDWD SUHVHQWL QHOOD]RQD D QRUG GHO 3RQWLOH 1RUG OD]…
  OH WHFQLFKH FKH VL XWLOL]]HUDQQR SHU LO GUDJDJJLR GHL VHGL…
  ELYDOYH HUPHWLFD PRQWDWD VX PRWRSRQWRQH

 E OD PRYLPHQWD]LRQH H LO WUDWWDPHQWR GHL PDWHULDOL VHFRQGR…
  LQL]LDOH D WHUUD R D PDUH H GHOOD ORUR TXDOLWj PDWHULDOL…
  ' /JV H GDL 9DORUL GL)RQGR GHOO¶$5,1 GL %DJQROL &RURJOLR

 F OD JHVWLRQH GHOOH DFTXH GL GHZDWHULQJ GHL VHGLPHQWL HVFDY…

3L• LQ GHWWDJOLR OD JHVWLRQH GHO PDWHULDOH SUHYHGH FKH L VHGLPH…
0LFURFHHOOD 1RUG H GDOOR VFDYR GHOOD SRUJLRQH GL FROPDWD D QRUG G…
SUHGLVSRVWR QHOO¶H[VWDELOLPHQWR ,O PDWHULDOH SURYHQLHQWH GDJO…
6XG VDUDQQR LQYHFH LQYLDWL DO GHSRVLWR SUHGLVSRVWR LQ FRUULVSRQ…

/D VHJXHQWH)LJXUD PRVWUD OR VFKHPD GHL SHUFRUVL FKH VHJXLUDQQR…

    ),JXUD 5DSSUHVHQWD]LRQH VFKHPDWLFD GHL SHUFRUVL GHL P…

,O PDWHULDOH DEEDQFDWR QHL GXH GHSRVLWL SUHOLPLQDUL VDUj VRWWRS…
OD SRVVLELOLWj GL ULXWLOL]]R DOO¶LQWHUQR GHOO¶$5,1 QHOOH DUHH FRQ…

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COORDINAMENTO IN FASE DI ELABORAZI DI TEST DI IMOSTRAZIONE TECNOLOGICA LAVORE A
SERVIZI DI DIREZIONE DI LAVORI E COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTI ALLA
RIMOZIONE DI COLARTA BONIFICA DEGLI ARENILI (ELERSI D E RISANAMENTO E GESTIONE DI SEDIMENTI MARINI COMPRESI NELL'AREA DI
RILEVANTE INTERESSE NAZIONALE DI COROGLIONA D

VALUTAZIONE DI INCIDENZA

saranno avviati a trattamento impianto soil washing installat
installato nel cantiere dell'ex stabilimento A valle del tr
volumi trattati e in funzione degli siti analitici i flussi po
zona ex industriale per i volumi conformi e verso gli impianti d
conformi previa caratterizzazione ai fini dell'identificazione
ammissibilità in discarica recupero

Le attività di escavo saranno se'gusiet chgassl e tattisicamitàndie d'rompgrell
dragaggio per la formazione del piano di posa degli scanni di imb
nella Microcella Nord e un dragaggio a tergo della futura barrie
del volume dinamico o sostituzione arenili emersi esistenti n

A valle delle operazioni di escavo e dragag foasdiaapslnoottquixgnnoe edff
LdR comprendenti i pennelli trasversali pennello chiusura nor
sud e la scogliera sommersa parallela a riva nella zona dell

Terminata l'installazione delle opere rigide potrà mettere alle r
caratterizzato da sabbie conformi alle CSC di Tab Col A del D Lgs
Bagnoli Coroglio em molne'dessario per la stabilità delle aree att

Macrocella zona emersa della colmata

Preliminarmente all'avvio delle fasi operative di rimozione dell
quali

- a pulizia delle aree di lavoro
- b bonifica bellica
- c rilievi topografici e tracciamenti delle aree di lavoro
- d caratterizzazione in banco della zona insatura della colmata

Inoltre già durante il risanamento delle Microcella Nord sarà e

Le operazioni di rimozione dei riporti della colmata saranno sudd
scavo del materiale insaturo e di quello saturo

Lo scavo del materiale insaturo sarà effettuato tramite escava
superficie della colmata La rimozione del materiale saturo avv
essere eventualmente completato con le tecniche che si utilizze
dotata benna mordente bivalve ermetica montata su motoponton
infatti saranno utilizzate nelle attività di escavo e dragaggio
rimozione risulta necessaria ai fini dell sostituzione del volu
della nuova LdR stabile

Sulla base della caratterizzazione in banco che sarà effettuata
gestiti secondo flussi differenziati ovvero potranno essere con
al deposito temporaneo ubicato nell'ex stabilimento per essere
di nuova caratterizzazione in cumulo saranno inviati a riutiliz
conferiti a smaltimento recupero off site

Preliminarmente e contestualmente alle attività di scavo sa
strutture opere interferenti con le celle di scavo Inoltre a
provvisionali per garantire il sostegno del muro perimetrale

I materiali saturi saranno dapprima scavati tramite escavatore
presenti sia in corrispondenza della colmata sia in corrisponden
di gestione già illustrati per i materiali insaturi Le acque di d
inviate all'impianto trattamento acque Invitaili TAF previa in
agli Enti competenti

Lo schema di intervento può pertanto essere riassunto nelle seg

> attività propedeutiche
> caratterizzazione a cumulo rovescio per la porzione insatur
> fasi di scavo del riporto insaturo e gestione dei materiali

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352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1(', /$925, ', 7(67 ', ',02675$=,21(7(&1,&2*,&$ 2/75($,
6(59,=, ', ',5(=,21((, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/0$7$ %21,)&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21(', 6(',0(17, 0$5,1, &2035(6, 1(//¶¶5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', , &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$

&RGLFH (ODERUDWR   (,19 ' *($0 5(/   ± $JRVWR

IDVL GL VFDYR GHO ULSRUWR VDWXUR FDUDWWHUL]]D]LRQH GHL PDW
VDWXUL H GHOOH DFTXH GL GHZDWHULQJ

$O WHUPLQH GHOOH DWWLYLWj GL ULPR]LRQH GHL ULSRUWL GL FROPDWD V
VDUDQQR HVHJXLWL JOL VFDYL GUDJDJJL H ULSDVFLPHQWL QHFHVVDUL DO
GHOO¶LQWHUYHQWR VDUj HVHJXLWR DO WHUPLQH GHO ULVDQDPHQWR FRPSO
LOOXVWUDWH SUHFHGHQWHPHQWH SHU OD 0LFURFHHOO 1RUG H =RQD $HQL

6L ULPDQGD DJOL HODERUDWL 3ODQLPHWULD VWDWR GL SURJHWWR   (,
JHQHUDOH GHJOL LQWHUYHQWL GL SURJHWWR   (,19 ' *(*(3/$ $
SUHYLVWL

VALUTAZIONE DI INCIDENZA

LA RETE NATURA

Come anticipato al capitolo … l'area di Progetto e le attività direttamente … alcun sito appartenente alla Rete Natura. L'area tutelata a livello comunitario più prossima il SIC IT … una distanza minima di circa … m in direzione Sud rispetto all'ar… Inoltre entro un raggio di … km si identificano i seguenti siti Natura.

- SIC Porto Paone di Nisida IT … distanza minima di circa
- SIC Aree umide del cratere di Agnano IT … distanza minima
- SIC Stazioni di Cyanidium caldarium di Pozzuoli IT … distanza … Nord Ovest
- SIC ZPS Cratere degli Astroni IT … distanza minima di circa
- SIC Collina dei Camaldoli IT … distanza minima di circa

In Appendice A si riporta per ogni sito indicato Formulario e Ma…
dell'Ambiente e della Sicurezza Energetica alla Sezione Rete nat…
Mentre nei successivi capitoli si descrivono i singoli siti oggett…

Per i siti in esame infine si sottolinea che come espresso nei F…
pertanto in queste aree vigono le misure di conservazione dei SIC…
della Regione Campania

Si specifica che il presente documento non tratta la valutazio…
Camaldoli» IT … poiché data la distanza dello stesso dall'a…
valutazione degli impatti indotti dal progetto sulle diverse diverse…

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
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³RIMOZIONE COLMATA BONIFICA DEGLI ARENILI EMERSI ´ E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPRESI NELL'AREA D
RILEVANTE INTERESSE NAZIONALE DI COROGLIO NA ´

VALUTAZIONE INCIDENZA

CODICE ELABORATO   E INV   D   GE AM REL   ± AGOSTO

ALL'ELABORATO   E INV   D   GE AM REL   STUDIO DI IMPATTO AMBIEN
LE INTERFERENZE E GLI IMPATTI INDOTTI DALL'INTERO SVILUPPO PRO
FLORO FAUNISTICHE ED ECOSISTEMICHE DEL CITATO SIC

HABITAT NATURALI INTERESSATI DAL PROGETTO

DA QUANTO SI DEDUCE DALLA CARTOGRAFIA RIPORTATA SUL PORTALE CA
CENTRALE CARTOGRAFIA PER E FRA GLI HABITAT P
RIGENERAZIONE SOLO ALCUNI RICADONO NEI SIC
DI SEGUITO SI RIPORTA TUTTI GLI HABITAT PRESENTI NEL SIN E GLI HA
FIGURA

Habitat ricadenti nell'area SIN

- — città e centri abitati
- — siti industriali attivi ex ilva non fa parte del SIC
- — spiagge
- A — leccete sud italiane e siciliane
- — Pinete a pino domestico pinus pinea naturali e coltiva
  e ricadenti nel SIC IT
- — città e centri abitati
- A — leccete sud italiane e siciliane
- — Prati concimati e pascolati anche abbandonati e vegetaz
- — garighe e macchie mesomediterranee calcicale ricadente
- — scogliere e rupi marittime mediterranee ricadente nel
  IT   umida Agnano non SIN
- — colture di tipo estensivo e sistemi agricoli complessi
- — città e centri abitati leggermente ricadente nel SIC
- A — leccete sud italiane e siciliane leggermente ricade
  IT   Crateri degli Astroni non SIN
- — colture di tipo estensivo e sistemi agricoli complessi
- — città e centri abitati leggermente ricadente nel SIC
- A — leccete sud italiane e siciliane
- — foreste sud — italiane e siciliane
- — vegetazione delle acque ferme
- — Vigenti leggermente ricadente nel SIC

Per quanto riguarda l'area del SIC ³Fondali Marini di Gaiola e Nisid
di organismi marini ± i cosiddetti fotofili amanti della luce e g
hanno trovato il proprio habitat ideale sulla superficie e nelle
per circa   metri dalla linea di costa toccando una profondità mi

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 ',,
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1, (',/$925, ', 7(67 ', ',02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', ´ &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$

)LJXUD +DELWDW QDWXUDOL H GHOLPLWD]LRQH 6,1 %DJQ

)RQWH 3HU FRQILQH 6,1 LO &RPXQH GL 1DSROL 3HU JOL +DELWDW ,635

6,& ³)RQGDOL PDULQL GL *DLROD H 1LVLGD´ ,7

,O 6,& ³)RQGDOL PDULQL GL *DLROD H 1LVLGD´ GHVLJQDWR FRQ '0
3HQLVROD GL 1LVLGD SHU HWWDUL FLU)LJXUD

$33$72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225,1$0(172 ',
352*(77$=,21(3(5 $33$72 ,17(*5$72 &2035(16,92 ,1'$*,1, (', /$925, ', 7(67 ', ,02675$=,21(7(&12*2*,&$ 2/75($,
6(59,=, ', ',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/07$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$

)LJXUD   6,& ³)RQGDOL 0DULQL GL *DLROD H 1LVLGD´ ,7
)RQWH IRUPXODLUR PLQLVWHULDOH

6HFRQGR TXDQWR ULSRUWDWR QHO UHODWLYR)RUPXODULR 1DWXUD   UL
1DWXUD   GL FXL O¶KDELWDW SULRULWDULR KD FRGLFH   3UDWHULH GL
GHO IRQGDOH GHO VLWR *OL KDELWDW LQVHULWL QHO IRUPXODULR DJJLRUG

7DEHOOD   +DELWDW FDUDWWHUL]]DQWL LO VLWR H UHODW

&2'	6XSHUILFL	5DSSUHVHQ 6XS UHO	*UDGR FRQVHUYD	9DOXWDJL JOREDOH

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('()/1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1*$,1, (', /$925, ', 7(67 ', ,02675$=,21(7(&1,2/2*,&$ 2/75($,
6(59,=, ', ,5(=,21('(, /$925, (' &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//$ 1
³5,02=,21(&21 &20/7 %21,),&$,(*/, $5(1(/ (0(56, (5,6(%1$0(172 '(*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//(¶5($ ',
5,/(9$17(,17(5(66(1$=,21$/(' &252*/,2 1$ '

9$/87$=,21(,' ,1&,'(1=$

		$ HFFHOOHQWH	&	% EXRQR	% EX
		& VLJQLILFDWLYD	&	% EXRQR	% B
		% EXRQD	&	% EXRQR	% EXRQD

,Q SDUWLFRODUH SHU RJQL +DELWDW FDUDWWHUL]]DQWH LO 6,& LQ RJJHW
LGHQWLILFDR VSHFLILFKH WLSRORJLH GL VLWL LQWHUHVVDWL FKH ULV
PHGLWHUUDQHD

7DEHOOD 6LWL LQWHUHVVDWL SHU RJQL KDELWDW FDUDWW

0DFURFDWHJRU GL KDELWDW	+DELWDW	7LSRORJLH GL VLWL
$FTXH PDULQH H DPELHQWL D PDUHD	3UDWHULH 3RVLGRQLD GL	9 6LWL D GRPLQDQ]D GL 'XQH FRQVROLGDW 9 6LWL D GRPLQDQ]D GL SUDWHULH GL 3RVL 9 6LWL D GRPLQDQ]D GL 0DFFKLD PHGLWHUU 9 6LWL D GRPLQDQ]D GL FRVWH EDVVH
	6FRJOLHUH	9 6LWL D GRPLQDQ]D GL 0DFFKLD PHGLWHUU 9 6LWL D GRPLQDQ]D GL &RVWH DOWH
$OWUL KDELWDW URFFLRVL	*URWWH PDULQH VRPPHUVH R VHPLVRPPHUVH	

&RQ ULIHULPHQWR DOOD FRPSRQHQWH IDXQLVWLFD VL ULOHYD TXDQWH VHJ

9 WUD OH VSHFLH GL XFFHOOL HOHQFDWL QHOO¶$OOHJDWR , GHOOD 'LUHWW
   SULRULWDULD QHSSXUH LQVHULWL QHOOH /LVWH 5RVVH 1D]LRQDO

9 WUD L UHWWLOL HOHQFDWL QHOO¶$OOHJDWR ,, GHOOD 'LUHWWLYD   &
&RPX&DUHWWD FDUHWWD

&DUDWWHULVWLFKH GHO VLWR
,O WUDWWR GL PDUH SUHVR LQ FRQVLGHUD]LRQH q LQ SDUWH LQWHUHVVDWR
6RPPHUVR GL *DLROD´H LQFOXGH O¶HVWHQVLRQH D PDUH GHOO¶LVRORWWR
)OHJUHL LVWLWXLWR GDO   ,O WUDWWR GL PDUH VL SUHVHQWD FRQ XQ
GLUH]LRQH VXG HVW H FRQ IDOHVLH DOWH H VFRVFHVH LQ GLUH]LRQH VXGRY
EDLH FDUDWWHUL]]DWH GD VSLDJJH OD FXL VDEELD KD XQ¶RULJLQH VLD YXO
GHO PDUH KDQQR GDWR RULJLQH DG XQD FRQIRUPD]LRQH D JUDGLQL GHO
JHRPRUIRORJLD GHL IRQGDOL GHOO¶DUHD q LO ULVXOWDWR QRQ VROR GL SU
PD DQFKH GHO ULPDQHJJLDPHQWR DQWURSLFR DYYHQXWR LQ HSRFD URPDQD
GL SHVFKLHUH PROL H YLOOH FRVWLHUH ,O 6,& q LQ UDSSRUWR FRQ LO VL

&ULWLFLWD7UDIILFR LQWHQVR GL QDWDQWL D PRWRUH DQFRUDJJLR LPSLDQWR G
2ELHWWLYL GL FRQVHUYD]LRQH

*OL RELHWWLYL VSHFLILFL GL FRQVHUYD]LRQH SUHYLVWL GDOOH PLVXUH GH
   GHO   VRQR

9 GHILQLUH LO UHDOH VWDWR GL FRQVHUYD]LRQH GL KDELWDW H VSHFLH

9 UHQGHUH FRPSDWLELOH OH HVLJHQ]H GL FRQVHUYD]LRQH FRQ OD IUXL
OHJDWH DOO¶XVR GHO WHUULWRULR PDULQR

9$/87$=,21(', ,1&,'(1=$

&RGLFH (ODERUDWR   (,19 '   *($0 5(/   ± $JRVWR

9 VYLOXSSDUH DWWLYLWj HFRQRPLFKH VRVWHQLELOL FKH JDUDQWLVFDQ
  VSHFLH H GHJOL KDELWDW

7DEHOOD   9DOXWD]LRQH JOREDOH GHJOL KDELWDW GHO

&RGLFH KDELWD	+DELWDW	9DOXWD]LRQH JOREDOH
3UDWHULH GL 3RVLGRQLD		%
6FRJOLHUH	%	
*URWWH PDULQH VRPPHUVH R VHPLVRPPHUVH		

*UXSSR	6SHFLH	9DOXWD]LRQH JOREDOH
0	&DUHWWD FDUHWWD	&

/H SUHVVLRQL H OH PLQDFFH VXO 6,& LQGLYLGXDWH QHOOH PLVXUH GL FRQV

9 ' 7UDVSRUWL H FRUULGRL GL VHUYL]LR '   5RWWH&DUHQWDJ&DULHQWHW

9 * 'LVWXUER DQWURSLFR

{ *   6SRUWH GLYHUWLPHQWL DOO DU&DDUHSWLWDDFDDWWLYLWj ULFUHDW

{ * $OWUL GLVWXUEL H LQ&DUUXWLRDQ EDXPHQWD

9 + ,QTXLQDPHQWR

{ + ± ,QTXLQDPHQWR PDULR H GH&DOOHWDDFDXFDGHHWWDQVL]LRQH

{ + ±(FFHVVR GL HQHUJLD

9 , ± 6SHFLH LQYDVLQH VSHFLH SUREOHPDWLFKH H LQTXLQDPHQWR JHQH

{ ,   ± 6SHFLH DOORFWRQH LQYDVLYH YHJHWDOL H DQLPDOL

9 - ± 0RGLILFD GHL VLVWHPL QDWXUDOL

R -   ± &DPELDPHQWL GHOOH FRQGL]LRQL LGUDXOLFKH LQGRWWL G

9 $OWUR PDQFDQ]D GL GDWL TXDOL TXDQWLWDWLYL VX KDELWD GL DOO

1HO WHUULWRULR GHO 6,& ULFDGHQWH QHO SHULPHWUR GHO 3DUFR 6RPPHU
  GHO

,QROWUH LQ WXWWR LO WHUULWRULR GHO 6,& VL DSSOLFDQR L VHJXHQWL F

9 QRQ q FRQVHQWLWD OD PRYLPHQWD]LRQH H R ULPR]LRQH GHJOL DPL
  DFFXPXODWL VXOOH VSLDJJH EDQTXHWWHV WUDQQ LO FDVR LQ F
  LQFRPSDWLELOLWj IUD PPDVVL GL IRJOLH GL 3RVLGRQLD RFHDQLFD H
  SXUHIDWWLYL LQ FRUVR PHVFRODPHQWR GHL GHWULWL YHJHWDOL FR
  OD ORUR PRYLPHQWD]LRQH LQ]RQH GL DFFXPXOR WHPSRUDQHR RSSX
  WUDWWDPHQWR FRPH ULILXWL QHO ULVSHWWR GHOOD QRUPDWLYD YLJ

9 QRQ q FRQVHQWLWD DOFXQ DOWHUD]LRQH GLUHWWD R LQGLUHWWD
  FRPSUHVD O LPPLVVLRQH GL TXDOVLDVL VRVWDQ]D WRVVLFD R LQTX
  O LPPLVVLRQH GL VFDULFKL QRQ LQ UHJROD FRQ OH SL• UHVWULWWLY
  7XWWL L VHUYL]L GL ULVWRUD]LRQH H ULFHWWLYLWj WXULVWLFD JOL
  DO PDUH H JOL VWDELOLPHQWL EDOQHDUL GRYUDQQR HVVHUH GRWDW
  RYYHUR GL VLVWHPL GL VPDOWLPHQWR GHL UHIOXL GRPHVWLFL

9 OH LPPHUVLRQL VXEDFTXHH GHYRQR ULVSHWWDUH LO ³&RGLFH GL FR
  ULFUHDWLYH´

9$/87$=,21(', ,1&,'(1=$

&RGLFH (ODERUDWR (,19 ' *($0 5(/ ± $JRVWR

- 9 q FRQVHQWLWD OD QDYLJD]LRQH D PRWRUH D QDWDQWL H LPEDUFD]LRQ
  $QQHVVL ,9 H 9, GHOOD 0$532/ FRPH SUHYLVWR GDO ³3URWRFROO

- 9 QRQ q FRQVHQWLWR O¶DQFRUDJJLR QHOOD DUHH FDUDWWHUL]]DWH G
  RFHDQLFD R IRQGDOL D FRUDOOLJHQR LQGLYLGXDWH H SXEE

- 9 QRQ q FRQVHQWLWR O¶DQFRUDJJLR GHOOH QDYL GD GLSRUWR q IDWW
  GD VHQWLQH R GD DOWUL LPSLDQWL GHOO XQLWj QDYDOH H GL TXDO
  GLVFDULFD GL ULILXWL VROLGL R OLTXLGL

- 9 q IDWWR REEOLJR DL FRQFHVVLRQDUL GHL SRQWLOL H GHL SXQWL GL
  GHOOH DFTXH QHUH H GL VHQWLQD GDL VHUEDWRL GHOOH LPEDUFD]LR

- 9 q IDWWR REEOLJR DL FRQFHVVLRQDUL GHL SRQWLOL H GHL SXQWL GL
  GLIIHUHQ]LDWD FRPSUHVR WRVVLFL H QRFLYL VRWWR LO FRRUGLQDP
  SRUWXDOH GL UDFFROWD

- 9 QRQ q FRQVHQWLWR O XVR LPSURSULR GL LPSLDQWL GL GLIIXVLRQH GH

- 9 QRQ VRQR FRQVHQWLWH HPLVVLRQL OXPLQRVH WDOL GD DUUHFDUH GL

6,& ³3RUWR 3DRQH GL 1LVLGD´ ,7

,O 6,& ³3RUWR 3DRQH GL 1LVLGD´ LVWLWXLWR FRQ '0 LQWHUHVVD O
SHU XQD VXSHUILFLH SDUL D FLUFD HWWDUL GL FXL LO VL FROORFD D

)LJXUD 6,& ³3RUWR 3DRQH GL 1LVLGD´ ,7
)RQWH)RUPXODULR PLQLVWHULDOH

6HFRQGR TXDQWR ULSRUWDWR QHOOD)RUPXODULR 1DWXUD DJJLRUQDWR
PD QHVVXQ KDELWDW SULRULWDULR FRPH LQGLFDWR QHOOD VXFFHVVLY

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COMPRENSIVO DIAGN E DI LAVORI DI TEST DI DIMOSTRAZIONE TECNICO... OLTRE LA
SERVIZI DI DIREZIONE DEI LAVORI DI COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTI L
RIMOZIONE COLMATA BONIFICA DEGLI ARENE EMERSI E RISANAMENTO GESTIONE DEI SEDIMENTI MARINI COMPRESI NELL''AREA D
RILEVANTE INTERESSE NAZIONALE I COROGLIO NA

VALUTAZIONE INCIDENZA

Codice Elaborato   ED INV   D   GE AM REL   ± Agosto

Tabella   Habitat caratterizzanti il sito e relativi...

COD	Superfi	Rappresent	Sup relat	Grado conserva	Valuta globale
		A eccellente	C	B buono	B buono
		C significativa	C	B buono	B buo

La tipologia dei siti interessati sono in prevalenza tipici dell...
habitat le tipologie di siti interessati

Tabella   Siti interessati per ogni habitat caratt...

Macrocategoria	Habitat	Tipologie di si
Acque marine ambienti a marea	Scogliere	ᐧ Siti a dominanza di Macch... mediterranea ᐧ Siti a dominanza di Cose al...
Scogliere marittime spiagge ghiaiose	Scogliere con vegetazione delle coste mediterranee con Limonium spp endemici	

Con riferimento alla componente faunistica si rileva quante seg...

- ᐧ Tra le specie di uccelli elencati nell'Allegato I della Direttiva... prioritaria
- ᐧ Tra le specie di uccelli migratori abituali elencati nell'All... inserite nelle liste rosse nazionali

  - ꞏ A   Gabbiano Comune L. ridibundus
  - ꞏ A   Beccaccia Comune Scolopax rusticola

Caratteristiche del sito

Il SIC ricade interamente nel Parco Regionale dei Campi Flegrei...
parzialmente sommerso Vegetazione delle scogliere mediterranee...

Criticità

La sicinanza con il collettore di acque fognarie a poche cent...

Obiettivi di conservazione

Gli obiettivi specifici di conservazione previsti dalle misure di...

- ᐧ definire il reale stato di conservazione di habitat e specie...
- ᐧ contrastare l'invasione di specie vegetali alloctone
- ᐧ coordinare la gestione del sito con le attività del Centro...

Tabella   Valutazione globale degli habitat del...

Codice habitat	Habitat	Valutazione

9$/87$=,21(,1 ',,1&,'(1=$

	6FRJOLHUH			%
	6FRJOLHUH FRQ YHJHWD]LRQH GHOOH /LPRQLXP VSS HQGHPLFL	FRVWH PHGLWHUUDQHH		%

*UXSSR	6SHFLH	9DOXWD]LRQH JOREDOH	
0	5KLQRORRSKXV IHUUXPHTXLQXP		$
0	5KLQRORRSKXV KLSSRVLGHURV		$

/H SUHVVLRQL H OH PLQDFFH VXO 6,& LQGLYLGXDWH QHOOH PLVXUH GL FRQV
GL VHJXLWR LQGLFDWH

9 ' 7UDVSRUWL H FRUULGRL GL VHUYL]LR
{ '   6WUDGH VHQWLHUL RSSXUH YHUXPHTXLQX

9 * 'LVWXUER DQWURSLFR
{ *   6SRUW H GLYHUWLPHQWL DOO DUXLDSHRORVSXDWKWSYRWLGHLFRHDW 5KLQRORRSKXV IHUUXPHTXLQX
{ * $OWUL GLVWXUEL H LQWLQXRORRQKXXPPOPHSRVLGHURV 5KLQRORRSKXV

9 , 6SHFLH LQYDVLYH VSHFLH SUREOHPDWLFKH H LQTXLQDPHQWR JHQH
{ ,   6SHFLH HVRWLFKH LQYDVLYH DQLPDOL H YHJHWDOL

9 $OWUR PDQFDQ]D GL GDWL TXDOL TXDQWLWDWLYL VX KDELWDW GL DOO
VXFF PP LL

1HO WHUULWRULR GHO 6,& ULFDGHQWH QHO SHULPHWUR GHO 3DUFR 5HJLRQD
GL 6DOYDJXDUGLD´ GL FXL DOOD 'HOLEHUD GL *LXQWD 5HJLRQDOH GHOOD &I

,QROWUH LQ WXWWR LO WHUULWRULR GHO 6,& VRQR DSSOLFDWL L VHJXHQW

9 GL DOWHUD]LRQH JHRPRUIRORJLFD GHOOH VFRJOLHUH FRQ RSHUD]LRQL
SHUPDQHQWL
9 GL LQWURGX]LRQH DQFKH D VFRSR RUQDPHQWDOH GL VSHFLH YHJHW
*UDSRZ / 3UHWWR) &DUOL (%ODVL & HGV   )ORUD DOORFWR
8QLYHUVLWj /D 6DSLHQ]D 5RPD   SS

6,& ³$UHH XPLGH GHO FUDWHUH GL $JQDQR´ ,7

,O 6,& ³$UHH XPLGH GHO FUDWHUH GL $JQDQR´ GHVLJQDWR FRQ '0
&DPSL)OHJUHL FRQ VWDJQR FHQWUDOH LQ YLD GL LQWHUUDPHQWR DG XQD
ULVSHWWR DOO¶DUHD GL 3URJHWWR FLU)LJXUD

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COMPRENSIVO INDAGINE DI LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGICA OLTRE AI
SERVIZI DI DIREZIONE DEI LAVORI E DI COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTE ALL'IN
«RIMOZIONE COLMATA BONIFICA DEGLI ARENILI EMERSI» E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPRESI NELL'AREA DI
RILEVANTE INTERESSE NAZIONALE DI COROGLIO NA »

VALUTAZIONE DI INCIDENZA

Figura   SIC «Aree umide di Agnano» IT
Fonte Formulario ministeriale

Secondo quanto riportato nel relativo Formulario Natura   agg
A vi è la presenza di un solo habitat Natura   non identificato

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COMPRENSIVO INDAGINI E LAVORI DI TEST DIMOSTRAZIONE TECNOLOGICA OLTRE AI
SERVIZI DI DIREZIONE DEI LAVORI E IL COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTE ALL'IN-
³RIMOZIONE COLMATA BONIFICA DEGLI ARENILI EMERSI E RISANAMENTO E GESTIONE DI SEDIMENTI MARINI COMPRESI NELL'AREA DI
RILEVANTE INTERESSE NAZIONALE DI COROGLIO NA

VALUTAZIONE DI INCIDENZA

Codice Elaborato   E INV D GE AM REL   ± Agosto

L'habitat inserito nel formulario aggiornato ad ottobre   q

Tabella   Habitat caratterizzante il sito e relativo...

COD	Superfici	Rappresen	Sup rela	Grado conserva	Valutazi globale
		A eccellente		C	C significativo

La tipologia dei siti interessati q in prevalenza tipici della ma... le tipologie di siti interessati

Tabella   Siti interessati per l'habitat caratte...

Macrocategoria	Habitat	Tipologie di si...
Acque stagnanti Vegetazione del Magnopotamion o Hydrocharition	Laghi eutrofici naturali con vegetazione del Magnopotamion o Hydrocharition	V Siti a dominanza di Laghi … V Siti a dominanza di Que… V Siti a dominanza di Vegetazione arborea igrofila

Con riferimento alla componente faunistica si rileva quanto seg…

- V Tra le specie di uccelli elencati nell'Allegato I della Direttiva   prioritaria

- V Tra le specie di uccelli migratori abituali elencati nell'All… inserite nelle liste rosse nazionali

    - { A   Quaglia Coturnix coturnix
    - { A   Gabbiano Larus ridibundus
    - { A   Beccaccia Scolopax rusticola

- V Tra le specie d'Invertebrati elencati nell'Allegato I della Direttiva   nazionali

    - { Cervo volante Lucanus cervus tragodon

- V Tra le specie di rettili elencati nell'Allegato I della Dire… nazionali

    - { Colubro di Esculapio …longissima

- V Tra le specie di anfibi elencati nell'Allegato I della Direttiva… nazionali

    - { Raganella Hyla italica

Caratteristiche del sito

Il SIC ricade interamente nel Parco Regionale dei Campi Flegrei el… con stagno centrale in via di interramento Fenomeni di vulcanis…

Aree periodicamente inondate con vegetazione palustre Thipha …
Lemna   Ricca via fauna legata al canneto   batracofauna ed entomof…

Criticità

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1, (,/$925, ', ,'02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ', 5(=,21((/$925, (&225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//¶,1
³5,0=,21(&20307$ %1,),&$ '(*/, $5(1,/ 0(56, ´ (5,6$1$0(172 (*(67,21('(,¶,0(17, 05,1, &2035(6(1(//¶¶5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ '

9$/87$=,21(', ,1&,'(1=$

&RPH HPHUJH GDO 37& GL 1DSROL OD YXOQHUDELOLWj GL TXHVWD DUHD q GL
XUEDQL]]D]LRQH LQ TXDQWR XELFDWR DOOD SHULIHUD GHOOD PHWURSRO
VFRPSDUVD GHOOD]RQD XPLGD

2ELHWWLYL GL FRQVHUYD]LRQH

*OL RELHWWLYL VSHFLILFL GL FRQVHUYD]LRQH SUHYLVWL GDOOH PLVXUH GL

- 9 GHILQLUH LO UHDOH VWDWR GL FRQVHUYD]LRQH GL KDELWDW H VSHFLH
- 9 FRQWUDVWDUH O¶LQYDVLRQH GL VSHFLH YHJHWDOL DOORFWRQH
- 9 FRRUGLQDUH OD JHVWLRQH GHO VLWR FRQ OH DWWLYLWj GHO &HQWUR

7DEHOOD   9DOXWD]LRQH JOREDOH GHJOL KDELWDW GHO

&RGLFH KDELWDW	+DELWDW	9DOXWD]LRQH
	/DJKL HXWURILFL QDWXUDOL FRQ YHJHWD]LRQH GHO 0DJQRSRW... R +\GURFKDULWLR	$

*UXSSR	6SHFLH	9DOXWD]LRQH JOREDOH
,	&HUDPE\[FHUR	%
,	&RHQDJULRQ PHUFXULDOH	%
0	5KLQRORSKXV IHUUXPHTXLQXP	$
0	5KLQRORSKXV KLSSRVLGHURV	$

/H SUHVVLRQL H OH PLQDFFH VXO 6,& LQGLYLGXDWH QHOOH PLVXUH GL FRQV

- 9 $ ± $JULFROWXUD
  - { $ 0RGLILFD GHOOH SUDWLFKH FROWXUDOL LQFOXVR... O¶LPSLDQWR PHUFXULDOH 5KLQRORSKXV IHUUXPHTXLQXP
  - { $ 8VR GL ELRFLGL RUPRQL... LRQ SDUGRWWL PHUFXULDOH 5KLQRORSKXV IHUUXPHTXLQXP
- 9 & 0LQLHUH HVWUD]LRQH GL PDWHULDOL H SURGX]LRQH GL HQHUJLD
  - { &   8VR GL HQHUJLD ULQQRYDELOH DELRWLFD 5KLQRORSKXV IHUUXPHT...
- 9 (8UEDQL]]D]LRQH VYLOXSSR UHVLGHQ]LDOH H FRPPHUFLDOH
  - 9 ($UHH XUEDQH LQVHGLD... PHQWL JLXPDQL PHUFXULDOH
- 9 ($OWUL WLSL GL XUEDQL]]D]LRQH 5KLQRORSWXV KLSSRVLGHURV 5KLQRORSKXV IHUUXPHTXLQXP
- 9 * 'LVXUER DQWURSLFR
  - { *   6SRUW H GLYHUWLPHQWL DOO DULD DSHUWD DWWLYLWj ULFUHDW... IHUUXPHTXLQXP
  - { * $OWUL GLVWXUEL H LQWUXVLRQL XPDQH &HUDPE\[FHUR 5KL... IHUUXPHTXLQXP
- 9 + ± ,QTXLQDPHQWR
  - { +   ,QTXLQDPHQWR GHOOH DFTXH VXSHUILFLDOL OLPQLFKH H WHUUH...
  - ,QTXLQDPHQWR PDULQR H GHOOH DFTXH GL WUDQVL]LRQH &DUHWWD F...
  - { +   ±(FFHVVR GL HQHUJLD
- 9 , ± 6SHFLH LQYDVLQH VSHFLH SUREOHPDWLFKH H LQTXLQDPHQWR JHQ

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352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1(', /$925, ', 7(67 ', ',02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ,5(=,21('(/$925, (&225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//¶¶5($ ',
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (/(06, ´ (5,6$1$0(172 '(*(671 ',6(',0(17, 0$5,1 &2035(6, 1(//¶¶5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ '

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{   ,   ± 6SHFLH DOORFWRQH LQYDVLYH YHJHWDOL H DQLPDOL

9 - ± 0RGLILFD GHL VLVWHPL QDWXUDOL

{ -   )XRFR H VRSSUHVVLRQH GHO IXRFR &HUDPE\[FHUGR

{ - ± &DPELDPHQWL GHOOH FRQGL]LRQL LGUDXOLFKH LQGRWWL GDOO¶X
   PRGLILFKH DJOL HFRVLVWHPL &RHQDJULRQ PHUFXULDOH &HUDPE\[FH

9 . 3URFHVVL QDWXUDOL ELRWLFL H DELRWLFL HVFOXVL JOL HYHQWL F

{ .   3URFHVVL QDWXUDOL DELRWLFL OHQWL

{ .   (YROX]LRQH GHOOH ELRFHQRVL VXFFHVVLRQL LQFOXVD O DYDQ]
   PHUFXULDOH &HUDPE\[FHUGR

9 $OWUR PDQFDQ]D GL GDWL TXDOL TXDQWLWDWLYL VX KDELWDW GL DOO

1HO WHUULWRULR GHO 6,& VL DSSOLFDQR L VHJXHQWL REEOLJKL H GLYLHWL

9 GL DOWHUD]LRQH JHRPRUIRURJLFD WUDPLWH DVSRUWD]LRQH H PRYLPH
   D PRWRUH

9 GL LQWHUUDPHQWR GL YDULD]LRQH GHO OLYHOOR LGULFR GL IDFLOLW

9 GL XWLOL]]R GL HUELFLGL LQ XQD IDVFLD GL ULVSHWWR GL   P GDO OX

9 GL ULPR]LRQH GHL IRQWDQLOL H GHOOD ORUR ULVWUXWWXUD]LRQH LQ
   JHVWL&RRHQ DJULRQ PHUFXULDOH

6,& ³6WD]LRQL GL &\DQGLGLXP &DOGDULXP GL 3R]]XR

,O 6,&6WD]LRQL GL &\DQGLGLXP &DOGHHVDLULXODWPWRFRRQ]]XROL   VL HVWHQGH SHU
GLVWDQ]D PLQLPD GL FLUFD   NP LQ GLUH]LRQH 1RUG 2YHVW GDOO¶DUHD G

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&RGLFH (OERUDWR   (,19   ' *($0 5(/   ± $JRVWR

)LJXUD   6,& ³6WD]LRQL GL &\DQLGLXP &DOGDULXP GL 3R]]XROL"
)RQWH IRUPXODULR PLQLVWHULDOH

6HFRQGR TXDQWR ULSRUWDWR QHO UHODWLYR)RUPXODULR 1DWXUD   UL
q SUHVHQWH O¶KDELWDW   &DPSL GL ODYD H FDYLWj QDWXUDOL FKH
FIU VXFFHVVLYD 7DEHOOD

7DEHOOD   +DELWDW FDUDWWHUL]]DQWL LO VLWR H UHODWL

&2'	6XSHUILFL	5DSSUHVHQ	6XS UHOD	*UDGR FRQVHUYD	9DOXWD]L JOREDOH	
		% EXRQD	&	% EXRQR	$ HFFHO	

&RQ ULIHULPHQWR DOOD FRPSRQHQWH IDXQLVWLFD ULIHULWH DOO¶$UW   G
DOOD 'LUHWWLYD   ((& VL ULOHYD OD SUHVHQ]D GHOOH VHJXHQWL VSHFL

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DEFINITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COMPLESSIVO INDAGINE E LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGICA OLTRE AI
SERVIZI DI DIREZIONE DEI LAVORI E DI COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTE ALL'IN
RIMOZIONE COLMATA BONIFICA DEGLI ARENILI EMERSI E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPLESI NELL'AREA DI
RILEVANTE INTERESSE NAZIONALE DI COROGLIO NA

VALUTAZIONE DI INCIDENZA

Caratteristiche del sito

Ambienti fumarolici caldi ed acidi la cui qualità ed importanza
stazione europea di questa alga termofila

Obiettivi di conservazione

Gli obiettivi specifici di conservazione previsti dalle misure de
del   sono

- migliorare le conoscenze sullo stato di conservazione di hab

- rendere compatibile con le esigenze di conservazione la frui

- contrastare la distruzione dell'habitat

Tabella   Valutazione globale degli habitat del

Codice habitat	Habitat	Valutazione globale
	Campi di lava e cavità naturali	

Gruppo	Specie	Valutazione globale
M	Rhinolophus ferrumequinum	A

0	5KLQRORSKXV KLS$RVLGHURV	$

/H SUHVVLRQL H OH PLQDFFH VXO 6,& LQGLYLGXDWH QHOOH PLVXUH GL FRQV

9 (8UEDQL]]D]LRQH VYLOXSSR UHVLGHQ]LDOH H FRPPHUFLDOH

{ ($UHH XUEDQH LQVHGLDPHQWL XPDQL

{ ($UHH LQGXVWULDOL R FRPPHUFLDOL

{ (± 'LVFDULFKH

{ ($OWUL WLSL GL XUEDQL]]D]LRQH 5KLQRORSKXV KLSSRVLGHURV 5K
IHUUXPHTXLQXP

9 * 'LVWXUER DQWURSLFR

{ * 6SRUW H GLYHUWLPHQWL DOO 5KLQRORSKXVD KLSSRVLGHURVFKH 5K
IHUUXPHTXLQXP

{ * $OWUL GLVWXUEL 5KLQRORSKRQ KLSSRLGHURV 5KLQRORSKXV IHU

9 , 6SHFLH LQYDVLYH VSHFLH SUREOHPDWLFKH H LQTXLQDPHQWR JHQH

9 $OWUR

{ PDQFDQ]D GL GDWL TXDOL TXDQWLWDWLYL VX KDELWDW GL DOO $ H V

{ HUUDWD SHULPHWUD]LRQH GHO VLWR FKH QRQ LQFOXGH O¶KDELWDW

,QROWUH LQ WXWWR LO WHUULWRULR GHO 6,& VL DSSOLFDQR L VHJXHQWL

9 q IDWWR GLYLHWR GL RFFXSDUH FRQ PDQXIDWWL GL RJQL WLSR H DOW

6,& =36 ³&DUWHUH GHJOL $VWURQL´ ,7

,O 6,& ³&DUWHUH GHJOL $VWURQL´ GHVLJQDWR FRQ '0   VL HVHQG
FLUFD   NP LQ GLUH]LRQH 1RUG 1RUG 2YHVW GDOO¶DUHD GL SURJHWWR FL

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352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1(', ,/$925, ', 7(67 ', ',02675$=,21(7(&1,&2*2,&&$ 2/75($,
6(59,=, ', ',5(=,21('(, /$925, (', &225,1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//,1
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (, 5,6$1$0(172 (*(67,21(', 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', , &252*/,2 1$ ´

)LJXUD 6,& =36 ³&UDWHUH GHJOL $VWURQL´ ,7
)RQWH)RUPXODULR PLQLVWHULDOH

6HFRQGR TXDQWR ULSRUWDWR QHO UHODWLYR)RUPXODULR 1DWXUD U
1DWXUD PD QHVVXQ KDELWDW SULRULWDULR *OL KDELWDW LQVHULWL

7DEHOOD +DELWDW FDUDWWHUL]]DQWL LO VLWR H UHODWL

&2'	6XSHUILF	5DSSUHVHQW	6XS UHODWL	*UDGR FRQVHUYD]	9DOXWD]LR JOREDOH	
		% %XRQD	&	& VLJQLILFDWLYR	$ H
		% %XRQD	&	$ HFFHOOHQWH	$ HF

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('()1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ',1*$*,1, (,/$9252 ', 7(67 ', ,0367$%,21(7(&1,&2*$& 2/75($,
6(59,=, ', ,5,/,(9, (, 33 (,225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(52(//,1
³5,02=,21(', &21)/,&7 %1,)$ ',(*/, $5(1, (/((56, ',(,5,6$1$0(172 ((*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(' &252*/2 1$ '

,Q SDUWLFRODUH SHU RJQL +DELWDW FDUDWWHUL]]DQWH LO 6,& LQ RJJHWW
LGHQWLILFDQR VSHFLILFKH WLSRORJLH GL VLWL LQWHUHVVDWL FKH ULVJ
PHGLWHUUDQHD

0DFURFDWHJR KDELWDW	+DELWDW	7LSRORJLH GL 6LW
$FTXH 6WDJQDQWL	/DJKL HXWURILFL QDWXUDOL FRQ YHJHWD]LRQH GHO 0DJQRSRWDPLRQ R +\GURFKDULWLRQ	6LWL D GRPLQDQ]D GL 4XHUFHW P 6LWL D GRPLQDQ]D GL 9HJHWD]LR DUERERUHD LJURILOD 6LWL D GRPLQDQ]D GL /DJKL
)RUHVWH VFOHUR)LOOHVWH GL 4XHUFXV LOH[H PHGLWHUUDQHH4XHUFXV URWXQGLIROLD	6LWL D GRPLQDQ]D GL &DVWDJQHW 6LWL D GRPLQDQ]D GL 4XHUFHW PHGLWHUUDQHL 6LWL D GRPLQDQ]D GL 0DFFKLD PHGLWHUUDQHD 6LWL D GRPLQDQ]D GL 3UDWHULH F 6LWL D GRPLQDQ]D GL 3UDWHULH W

&RQ ULIHULPHQWR DOOD FRPSRQHQWH IDXQLVWLFD VL ULOHYD TXDQWH VHJ]

9   7UD OH VSHFLH GL XFFHOOL HOHQFDWL QHOO¶$OOHJDWR , GHOOD GLUHWW
{ $ 0RUHWWD WDEDO\FF, DWDUFD
{ $ $LURQH ELR $WRHDOXDXWR VWHOODULV
9   7UD OH VSHFLH GL XFFHOOL PLJUDWRUL DELWXDOL HOHQFDWL QHOO¶$OO
LQVHULWH QHOOH OLVWH URVVD QD]LRQDOL
{ $ 3RUFLJOLRQH5DOOXV RSHDRXDWLFXV
{ $ %HFFDFFLRORSD[UXVWLFROD
9   7UD JOL $QILEL HOHQFDWL QHOO¶$OOHJDWR ,, GHOOD GLUHWWLYD   &(
HG q
{   5DJDQHOOD LWDOLDQD +\OD LWDOLFD
9   7UD JOL LQYHUWHEUDWL HOHQFDWL QHOO¶$OOHJDWR ,, GHOOD GLUHWWLY
URVVD HG q
{   &HUYR YRODQ/WHDFDQXVWHWUDGRQ
9   7UD L UHWWLOL HOHQFDWL QHOO¶$OOHJDWR ,, GHOOD GLUHWWLYD   &
HG q
9   &ROXEUR GL (VF/DDXSHOSLRQJLVVLPD

&DUDWWHULVWLFKH GHO VLWR

3LFFROR YXOFDQR VSHQWR GHL &DPSL)OHJUHL FRQ DO FHQWUR XQ¶DUH
SHUVLVWRQR SDUWLFRODUL FRQGL]LRQL WHUPRLJURPHWULFKH LQYHUVLRQ
,QWHUHVVDQWL SUHVHQ]H GL ERVFR GL FDGXFLIRJOLH H YHJHWD]LRQH
YHJHWD]LRQDOH FLRq ERVFR PHVRILOR VXO IRQGR GHO FUDWHUH H PDFFKL
,QWHUHVVDQWH DYLIDXQD
/D 5LVHUYD QDWXUDOH 2DVL ::) &UDWHUH GHJOL $VWURQL VL WURYD DOO¶LQ

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SERVIZI DI DIREZIONE DEI LAVORI E COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERENTE ALL'IN
"RIMOZIONE COMPLETA E BONIFICA DEGLI ARENILI IMMERSI E RISANAMENTO E GESTIONE DEI SEDIMENTI MARINI COMPLESSI NELL'AREA DI
RILEVANTE INTERESSE NAZIONALE" COROGLIO NA"

VALUTAZIONE DI INCIDENZA

Ministero dell'ambiente e della tutela del territorio e del m[are]
Legge   dicembre   n.   "Legge quadro sulle aree protette"

Criticità

Rischi potenziali di eccessiva antropizzazione in quanto il sito [...]
dovuti ad azioni di vandalismo e bracconaggio

Obiettivi di conservazione

Gli obiettivi specifici di conservazione previsti dalle misure di [...]

- definire il reale stato di conservazione di habitat e specie [...]
- rendere compatibile le esigenze di conservazione con la frui[zione...]

Tabella   Valutazione globale degli habitat del[...]

Codice habitat	Habitat	Valutazione
	Laghi eutrofici naturali con vegetazione del Magnopotamion o Hydrocharition	A
	Foreste di Quercus ilex e Quercus rotundifolia	

Gruppo	Specie	Valutazione globale
I	Cerambyx cerdo	A
I	Coenagrion mercuriale	A
M	Rhinolophus ferrumequinum	A
M	Rhinolophus hipposideros	A

Le pressioni e le minacce sul SIC individuate nelle misure di cons[ervazione...]

- G – Disturbo antropico
  - G   Sport e divertimenti all'aria aperta, attività ricrea[tive...] ferrumequinum
  - G   Altri disturbi e intrusioni umane Cerambyx cerdo, Rhi[nolophus...] ferrumequinum
- J – Modifica dei sistemi naturali
  - J   Altre modifiche agli ecosistemi Coenagrion mercuriale
- K – Processi naturali biotici e abiotici (esclusi gli eventi c[atastrofici...])
  - K   Evoluzione delle biocenosi, successione inclusa l'avan[zamento...] mercuriale, Cerambyx cerdo

Nel territorio del SIC ricadente nel perimetro del Parco Region[ale...]
di Salvaguardia" di cui alla Delibera di Giunta Regionale della [...]
disposizioni del DM n.   del   luglio   derivante dall'istitu[zione...]
Astroni

Inoltre, in tutto il territorio del SIC si applicano i seguenti c[riteri...]

- è fatto divieto di abbattimento ed asportazione di alberi [...]

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&RGLFH (ODERUDWR   (,19 ' *($0 5(/   ± $JRVWR

PRUWL /DGGRYH QRQ VLD SRVVLELOH DGRWWDUH PLVXUH GL FDUDWWH
REEOLJR GL ULODVFLDUH SDUWH GHO WURQFR LQ SLHGL SHU XQ¶DOWH
GHOOD PDVVD OHJQRVD ULVXOWDQWH LQ ORFR

9 q IDWWR GLYLHWR GL DOWHUD]LRQH JHRPRUIRORJLFD WUDPLWH DVSR
PH]]L PHFFDQLFL D PRWRUH

9 q IDWWR GLYLHWR GL LQWURGX]LRQH DQFKH D VFRSR RUQDPHQWDOH
LQ &HOHVVL *UDSRZ / 3UHWWR) &DUOL (%ODVL & HGV)O
(GLWULFH 8QLYHUVLWj /D 6DSLHQ]D 5RPD   SS

9 q IDWWR GLYLHWR GL LQWHUUDPHQWR GL YDULD]LRQH GHO OLYHOOR L
9 q IDWWR GLYLHWR GL XWLOL]]R GL HUELFLGL LQ XQD IDVFLD GL ULVSHW
9 q IDWWR REEOLJR GL FRQYHUVLRQH DG DOWR IXVWR GHL FHGXL LQYHFF
GL WDJOLR GL SURSULHWj SXEEOLFD IDWWH VDOYH HVLJHQ]H GL GLIH

APPALTO MISTO DI SERVIZI DI INGEGNERIA E ARCHITETTURA PER LA PROGETTAZIONE DELL'INITIVA E COORDINAMENTO DI
PROGETTAZIONE PER APPALTO INTEGRATO COMPRENSIVO IN GARA E LAVORI DI TEST DI DIMOSTRAZIONE TECNOLOGICA OLTRE AI
SERVIZI DI DIREZIONE E COORDINAMENTO DELLA SICUREZZA IN FASE DI ESECUZIONE AFFERITI ALL'IN
RMIZZIONE COLORA BONIFICA DEGLI ARENILI EMSEI D E RISANAMENTO E GESTION DI DELL'AREA DI
RILEVANTE INTERESSE NAZIONALE COROGLIO NA D

VALUTAZIONE DI INCIDENZA

VALUTAZIONE DELL'INCIDENZA SUI SITI RETE NATURA

Descrizione degli eventuali effetti del PRAR

Come meglio descritto nell'elaborato   E INV D GE AM REL   S
programma individua obiettivi generali e obiettivi specifici ri...
Programma In questa fase della valutazione si ritiene opportun...
riferimento alle citate azioni

Tabella   Interferenze indotte dalle azioni del PRAR su...

| | PRAR AZIONI | POTENZIALI INTERFERENZE | | MOTIVAZIONI SINTETICHE |
		SI	NO	
A	Bonifica e messa in sicurez... [a]lle / aree a terra attraverso l[...]zzo delle / migliori tecniche possibil... a / costi sostenibili			
A	Interventi di risana[ment]o ambientale / delle aree a mare at[trave]rso l'utilizzo / delle migliori tecni[che p]ossibili BAT a / costi / sostenibili			[...] incidenza negativa sul... si avrà solo nella f[ase] / temporanea del cantie[re]
A	Rimozione dell'area d... amata" causa dei possibili movim[enti]			sedimento e quindi / intorbimento delle acqu[e]
A	Bonifica e ripascimen[to] ...gli area ...va linea di costa / emersi / e riprofilatura dell...			
A	Realizzazione della viabili[tà in]terna / all'area / SIN e del complementare si... di / sosta			
A	Realizzazione tunnel ...[col]legamento / alla Tangenziale di N...			Nella fase temporanea / realizzazione potrebb[e] / crearsi delle possi[bili] / congestione e creare / aumento dell... tempor...[azi]oni / al SIC IT
A	Potenziamento del traspor[to su] ferro			
A	Realizzazione di un sistem[a ...]so di / mobilità sostenibile			
A	Adeguamento dell'A[...]nt'Antonio e / dei relativi scarich... ge			
A	Realizzazione del sis[tema i]drico / integrato delle acqu[e ...] adduzione / collettamento, tras[porto]... e riutilizzo			[i]drico / ...l'area SIN / La realizzazione dell int... / del lungo periodo compor... / miglioramento dello...
A	Adeguamento dei coll[ettori] ...ri e degli / scarichi a mare del B[...] / Napoli / Occidentale			...[mi]gli e degli / ...miglioramento della / ...delle acque
A	Produzione energia da font[i ri]novabili			

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352*(77$=,21(3(5 $33$72 ,17(*5$72 &2035(16,92 ,1*$*, ((, /$925, ', 7(67 ', ',02675$=,21(7(&12/2*,&$ 2/75(,$
6(59,=, ', ,5(=,21('(/$925, (', &225,1$0(172 '//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//$,1
³5,02=,21(&2/0$7$ %21,)$&$ '(*/, $5(1,/, (/(06(´ (, 56(1$0(172 (*(67,21('(('/0(17 0$5,1, &2035(6(1(//(¶5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ '

9$/87$=,21(',, ,1&,'(1=$

&RGLFH (ODERUDWR   (,19 ' *($0 5(/   ± $JRVWR

$	5HDOL]]D]LRQH VLVWHPL GL GL LQWHOOLJHQWH GL HQHUJLD	X]LRQH
$	5HDOL]]D]LRQH GHOO¶LQIUDVW XOWUD ODUJD H GL XQD UHWH O¶DUHD 6,1	XUD GL EDQGD X WXWWD

35$58 $=,21,	327(1=,$/, ,17(5(5(1=(		027,9$=,21, 6,17(7,&+(
		6,	12	

35$58 $=,21,	6,	12	027,9$=,21, 6,17(7,&+(
$ 5HDOL]]D]LRQH GL XQ VLVWHPD GLIIXVR GL PRQLWRUDJJLR H JH GHOOH LQIUDVWUXWWXUH H GHL VHUYL		H	O¶DUHD
$,QVHGLDPHQWR GL FHQWUL GL VFLHQWLILFD H VYLOXSSR WHFQRORJLFR		D	
$ &UHD]LRQH GL GLPRVWUDWRUL		ORJLFL	
$ 5HDOL]]D]LRQH GHOOH DV SXEEOLFKH SDUFR XUEDQ HFF	]DWXUH DWHUIURQW	/D UHDOL]]D]LRQH GHO SDUF OXQJR SHULRGR SRWUHE DXPHQWDUH LO FRUULG WRORJLFR H SRUWDUH DXPHQWR GL XFFHOO PLJUD L 6,& SUHVHQWL
$ 5HFXSHUR H YDORUL]]D]LRQH G VLJQLILFDWLYL GHOO¶LPSLDQW LGHQWLILFDWL FRPH DUFKHRO LQGXVWULDOH		GLILFL SL• UXUJLFR
$)XQ]LRQDOL]]D]LRQH GHJOL LPS GHO FHQWUR EHQHVVHUH H GHO ULFHUFD		VSRUWLYL UR GL
$ 5HDOL]]D]LRQH GHO SRUV JLVWLFR		/ LQFLGHQ]D QHJDWLYD VXO VL DYUj VROR QHOOD I WHPSRUDQHD GHO FDQWLH FDXVD GHL SRVVLELO PRYLP VHGLPHQWR H TXLQGL LQWRUELPHQWR GHOO DFTXH
$ 6YLOXSSDUH QXRYH DWWLYLWj		WLYH	
$ 6YLOXSSDUH QXRYH DWWLYLWj		YL]L	
$ 9DORUL]]D]LRQH GHOOH DWWLY		RUWLYH	
$ 5LTXDOLILFD]LRQH HGLILFDWR		QWH	
$ &UHD]LRQH QXRYL LQVHGLDPHQ			

'DOO¶DQDOLVL FRQGRWWD VL HYLQFH FKH DOFXQH DWWLYLWj SRVVRQR HVV
GL FRQVHUYD]LRQH GHL VLWL 1DWXUD

9LFHYHUVD WXWWH OH DWWLYLWj UHODWLYH DOOD SRVVLELOH UHDOL]]DF
GHWHUPLQDUH LQFLGHQ]H VXL 6LWL GHOOD 5HWH 1DWXUD

9$/87$= ,21(', ,1&,'(1=$

&RGLFH (OERUDWR   (,19 ' *($0 5(/   ± $JRVWR

0ROWH GHOOH D]LRQL SUHYLVWH GRSR XQ SULPR PRPHQWR GL LQFLGHQ]D
VXFFHVVLYDPHQWH JHQHUHUDQQR LQFLGHQ]H SRVLWLYH FRPH QHO FDVR G
DOOD UHJLPD]LRQH GHOOH DFTXH HG RWWLPL]]D]LRQH GHOO¶XVR GHOOD UL
XVL LUULJXL H SHU LO VHUYL]LR GHOO¶DUHD O¶HOLPLQD]LRQH GHOOH FRQVW
WHUULWRULR DG L FLWWDGLQL

/H D]LRQL SUHYLVWH SRVVRQR JHQHUDUH LQFLGHQ]H SRVLWLYH LQ UHDO
VRVWHQLELOLWj DPELHQWDOH $OWUH SRVVRQR JHQHUDUH LPSDWWL QHJDW
VXROR QHO FDVR GL UHDOL]]D]LRQH GL QXRYH FRVWUX]LRQL R OD UHDOL]]D

/H VXGGHWWH RSHUD]LRQL QRQ VRQR LQ JUDGR GL HVHUFLWDUH LQFLGHQ]D
VL SXz ULWHQHUH FKH QRQ FL VLDQR HIIHWWL LQ JUDGR GL SUHJLXGLFDUH

2FFRUUH LQILQH VRWWROLQHDUH FKH LO 35$558 SUHYHGH OD ULFRVWLWX]LR
PLJOLRUDPHQWR GHOO¶DFFHVVLELOLWj GHOOH LQIUDVWUXWWXUH H GHOO
XQ¶XQLFD VWUDRUGLQDULD VWUXWWXUD SHU LO WHPSR OLEHUR OD ULFUHD

9LVWH OH D]LRQL SUHYLVWH VDUj QHFHVVDULR SUHVWDU DWWHQ]LRQH DO
GHOOH RSHUH DQFKH LQGRWWR GDOOH PRYLPHQWD]LRQL GL YHLFROL

/D SUHVHQ]D GL XQ DGHJXDWR VLVWHPD GL LQIUDVWUXWWXUH LQ SDUWLFR
OD FRPSHWLWLYLWj GHO WHUULWRULR QRQFKp SHU PLJOLRUDUH OH FRQGL]
LQFUHPHQWDQGR OD PXOWLIXQ]LRQDOLWj GHO SDUFR H IDYRUHQGR GL FRQ

/D UHDOL]]D]LRQH OD PDQXWHQ]LRQH H O¶DPSOLDPHQWR GHOOH VWUDGH S
ULFDGHQWL QHL 6,&   SXz FRPSRUWDUH LPSDWWL GL WLSR DPELHQWDOH LQ
DOWHUD]LRQH H IUDPPHQWD]LRQH GHJOL KDELWDW LQJUHVVR GL VSHFLH D
SURYRFDWR GDL PH]]L LQ WUDQVLWR 3HU PLQLPL]]DUH JOL HIIHWWL QHJDW
SLVWH JLj HVLVWHQWL R PHGLDQWH LO UHFXSHUR GHOOH SLVWH FKH VDUD
ERQLILFD

,O ULVFKLR SHU OH VSHFLH H JOL KDELWDW SUHVHQWL QHL 6,& SRWUHEE
PHVVD LQ VRVSHQVLRQH GL PDWHULDOH GHSRVLWDWR 'XUDQWH OD UHDOL
SUHYLVWD OD SRVD LQ RSHUD GL WXWWL JOL DFFRUJLPHQWL XWLOL H QHFH
KDELWDW DG HVHPSOR SRVL]LRQDPHQWR GL SDODQFROH DWWHQXDWRUL
JDOOHJJLDQWL DQWLWRUELGLWj

&RQVLGHUDQGR O¶DQDOLVL GHO WUDVSRUWR VROLGR H OR VWXGLR FRUUH
SURVSLFLHQWH OD IDOHVLD VHWWHQWULRQDOH GL 1LVLGD SRWUHEEH HVV
PHVVD LQ VRVSHQVLRQH GL PDWHULDOH DUJLOORVR LQ VHJXLWR DL ODYRUL
SDUWH ³VFKHUPDWD´ GDOO¶LVROD GL 1LVLGD H GDOOD GLJD FKH OD FROOH
SDUWH GHO 6,& SL• YLFLQD DOO¶DUHD G¶LQWHUYHQWR q JLj GL SHU Vp F
VHGLPHQWD]LRQH FRQ VXEVWUDWL VROLGL FRORQL]]DWL DQFKH D SRFKL PH
HQFODYH´ ULFFD GL VSHFLH VFLDILOH H ILOWUDWULFL H FRQ VXEVWUD
LQIDQJDWH´ ULFFKH GL VSHFLH IRVVRULH VRVSHQVLYRUH H GHWULWLYRU
SUHVHQWH QHOOD FRORQQD G¶DFTXD R VHGLPHQWDWR 4XLQGL FRQVLGHUD
SRSRODPHQWL SUHVHQWL LO GLVWXUER DUUHFDWR VXJOL KDELWDW GDO
GRYUHEEH HVVHUH FRQWHQXWR QHOO¶DPELWR GHOOD UHVLOLHQ]D HFRORJL
QHOOD VWUXWWXUD GHOOH ELRFHQRVL SUHVHQWL

3HU TXDQWR VRSUD HVSRVWR LO VXGGHWWR 6,& PDULQR QRQ ULVXOWD H
HIIHWWR GHOOD UHDOL]]D]LRQH GHOO¶RSHUD

,Q IDVH GL VYLOXSSR GHOOD SURJHWWD]LRQH GHOOH RSHUH VDUj QHFHVVD
FRPSHQVDWLYL GHJOL LPSDWWL FKH SRWHQ]LDOPHQWH SRWUHEEHUR GHW
UXPRUH HFF

9$/87$=,21('(//¶,1&,'(1=$,1'277$ '$/ 352*(772 68, 6 1$785$

6,& ³)RQGDOL PDULQL GL *DLROD H 1LVLGD´ ,7

'XUDQWH OH GDL FDQWLHUH WDVGD GL FDQWL SURYVLPLWj GHOO¶$UHQLOH 6XG DUHD GL SURJHWWR F
LQ RJJHWWR VDUDQQR VYROWH DOFXQH RSHUH D PDUH DVFULYLELOL D

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('()(1,7,9$ (&225',1$0(172 ',
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6(59,=, ', ',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1(/ (0(56, ´ (5,6,$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

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9 UHDOL]]D]LRQH GL XQ 3HQQHOOR GL FKLXVXUD ³6XG´ FRPH RSHUD GL VWD
  GL LQWHUYHQWR DO ILQH GL JDUDQWLUH DGHJXDWH FRQGL]LRQL GL VW
  ULVSHWWR DOOH DUHH HVHUHQ

9 UHDOL]]D]LRQH GL XQD VFRJOLHUD VRPPHUVD VRIIROWD FRPH RSHUD
  SDUDOOHODPHQWH DOOD QXRYD OLQHD GL ULYD SL• D QRUG ULVSHWWR
  VWDELOLWj GHO OLWRUDOH VWHVVR /D VFRJOLHUD VRPPHUVD VRIIROWD V
  FRQ XQR VYLOXSSR SDUDOOHOR DOOD QXRYD OLQHD GL ULYD FRQ EHUPD
  VRPPHUJHQ]D SDUL D   P VOP

9 UHDOL]]D]LRQH GL XQ LQWHUYHQWR GL FDSSLQJ OXQJR WXWWD OD IDVFL
  ROWUH OD EDWLPHWULFD P DO ILQH GL JDUDQWLUH FKH LQ FDVR GL I
  EDUULHUD LQ XQ¶DUHD QRQ ERQLILFDWD SRVVDR HVVHUH PHVVL LQ VR
  GHOOD FHOOD ERQLILFDWD VXSHUILFLH GHO FDSSLQJ SDUL D FLUFD

9 UHDOL]]D]LRQH GL DWWLYLWj GL GUDJDJJLR HG HVFDYR GHL VHGLPL R
  ULSDVFLPHQWL SHU JDUDQWLUH FKH LO QXRYR OLWRUDOH QRQ VLD VR
  FRQWDPLQD]LRQH GHL VHGLPHQWL RULJLQDUL

/H RSHUD]LRQL GL FDQWLHUH SUHYLVWH D PDUH GHWHUPLQHUDQQR XQ DXPH
GHOOR VWDWR GHOOD TXDOLWj GHOOD FRORQQD G¶DFTXD 6XOOD EDVH GH
SURFHVVL GL WUDVSRUWR H GHSRVL]LRQH GHL VHGLPHQWR GXUDQWH OH R
QXPHULFD GHL SURFHVVL GL WUDVSRUWR H GHSRVL]LRQH GHL VHGLPHQWL O
SHQQHFFKL GL WRUELGD LGHQWLILFDWL FRQ LO YROXPH G¶DFTXD FRQ FRQ
FRPH VRJOLD DO GL VRSUD GHOOD TXDOH O¶DFTXD QRQ q GD FRQVLGHUDUV
TXDOVLDVL VSHFLH QDWXUDOH LQWHUHVVDQR WXWWD O¶DUHD GUDJDWD
UDJJLXQJHQGR GLVWDQ]H PDVVLPH SDUL D FLUFD D   P GDO SXQWR GUDJD
VHGLPHQWL LO FXL PDJJLRUH FRQWULEXWR q SULQFLSDOPHQWH IRUQLWR O
GHOO¶DUHD GUDJDWD PHQWUH DOWURYH q WUDVFXUDELOH

)LJXUD   0HGLD DQQXDOH GHOOH PDVVLPH FRQFHQWUD]LRQL GL
          QHOOD PLFURFHOOD 6XG]RQD 6   OXQJR XQ WUDQVHWWR G
)RQWH 0RGHOOD]LRQH QXPHULFD GHL SURFHVVL GL WUDVSRUWR H GHSRVL
     GUDJDJJLR &RGLFH (ODERUDWR ' (,19 ' *(56 5(/   5HY ± /

3DJH

9 $ / 8 7 $ = , 2 1 (' , , 1 & , ' (1 = $

3HUWDQWR FRQVLGHUDQGR OH ULVXOWDQ]H GHOOD VLPXOOGLRROLPPRUGHQOGLOLL
*DLROD H´1LVFEDOFOXSGOXFKHVWLRQUELGLWj H OD GHSRVL]LRQH GHL VHGLPHQWL
GD JHQHUDUH LPSDWWL VXOOD FRPSRQHQW HFRVLVWHPLFD GHO VLWR 1DWW
PDUH SUHYLVWH QRQ GHWHUPLQLQR LPSRWLGRQLDQXUHFDGGLOLL VXOOORQSUDWW
SDUDJJLR PDULQ LQYHVWLJDWR H ORFDOL]]DWD QHOO¶DUHD 6,& FRPXQTX
FRQVLGHUDUVL SHUWDQWR GL HQWLWj WUDVFXUDELOH

6L VRWWROLQHD LQROWUH FKH D VFRSR PLWLJDWLYR LQ SURVVLPLWj GH
VLVWHPD GL FRQWUROOR GHOOD ULVRVSHQVLRQH GHL VHGLPHQWL WUDPL
FXUWDLQV VFUHHQV EDUULHUHH DQWL WRUELGLWj XWLOL DO FRPSOHWR LV
GHO 30$ 3LDQR GL 0RQLWRUDJJLR $PELHQWDOH GHGLFDWR DOO¶DFTXLVL]L
FRVWLHUH YHULILFKHUj OR VWDWR GHOOD FRPSRQHQWH LGULFH H O¶HYHQW

&RQ ULIHULPHQWR DOOD FRPSRQHQWH IDXQLVWLFD LQYHFH VL VHJQDOD FKH
LQVHULWH QHOOD OLVWD URVVD R ULWHQXWH HQGDQJHUHG &GLODUDWWL 7 81 5
FDUH WLWDDHVSXFDH SULRULWDULD WUD L UHWWLOL HOHQFDWL QHOO¶$OOHJDW

6L VHJQDOD FKH OH DUHH FRVWLHUH LQ JHQHUH FRVWLWXDVFRQWRDUFLDUHHYDWW

*OL HYHQWL GL QLGLILFD]LRQH UHJLVWUDWL OXQJR OH FRVWH PHULGLRQDOL
ULIHULPHQWR 'DWDL 6:27 VL ULIHULVFRQR DG HYHQWL GL QLGLILFD]LRQH U
YDOLGDWD D VHJXLWR GL DSSURIRQGLPHQWR VFLHQWLILFR 0LQJR]]L   ,O
      QHOOD VRWWRUHJLRQH q VHWW   LQ &DPSDQLD   LQ &DODEULD ,RQL
PHULGLRQDOH 6:27 H VL ULWLHQ FKH OD QLGLILFD]LRQH VLD GD FRQVL
JHRJUDILFKH UDSSUHVHQWDQR LO PDUJLQH HVVWHPR QRUG RFFLGHQWDOH G
VSHFLH 0LQJR]]L   6:27   ,Q 5HJLRQH &DPSDQLD OH SULQFLSDOL]RQ
&DVWHO 9ROWXUQR H LO &LOHQWR GRYH OD VSHFLH q WRUQDWD D QLGLIL
3HUWDQWR FRQVLGHUDQGR FKH O¶DUHD GL SURJHWWR H O¶DUHD YDVWD L
VLWR GL QLGLILFD]LRQH SHU OD 7UDWDUXJD &RPXQH q SRVVLELOH FRQF
UDSSUHVHQWDWL GDOO WDU&DOOWDUUXJWDVPDUULWHQWLWD HOOGLD HOVSHFLH WUDVFXUDELO

,QILQH VL UDPPHQWD FKH OH DWWLYLWj D PDUH SUHYLVWH KDQQR XQD O
FRQVHJXHQ]D DO WHUPLQH GHL ODYRUL QHOO¶DUHD G¶LQWHUYHQWR FLUFR
DG XQ ULWRUQR GHOOH VSHFLH LQ VLWR LQ IXQ]LRQH DQFKH GL XQ IHQRPHO
GHOOD ULVRUVD WURILFD D FDXVD GHOO PRYLPHQWD]LRQH GHO IRQGDOH

,PSDWWL LQGLUHWWL DO 6,& FRQVLGHUDWR SRWUHHEHU HVVHU FRQQHVV
JHQHUDWH GXUDQWH OH DWWLYLWj SUHYLVWH 'DOOD YDOXWD]LRQH SUHYLV
LQ DWPRVIHDU H GHOOH ULFDGXWH PHLVVLYH LQGRWWL GDOOH DWWLYLWj G
FKH SHU WXWWL JOL LQTXLQDQWL FRQVLGHUDWL 376 12[H &2 QRQ VL ULV
LO SDUDPHWUR 12[q VWDWR ULOHYDWR XQ OHJJHUR VXSXXSHUDPSHULR ILUWRSHRWL
LQ WHUPLQL GL   ƒ SHUFHQWLOH ROOODLQLQLRHUSORRRULGHOO¶DUHDP GL SURJHWWR

, ULVXOWDWL GHOOH VLPXOD]LRQL ULDVVXQWL PHGLDQWH OH PDSSH GL LVR
     SHUPHWWRQR GL DIIHUPDU FKH OH PLVVLRQL GL LQTXLQDQWL LQ DW
QHOO¶DUHD GL SURJHWWR H QHO OLPLWDWL LQWRUQR

,Q SDUWLFRODUH LQ FRUULVSRQGHQ]D GHOOD SRU]LRQH QRUG GHO 6,& ³)R
VHJXHQWL ULFDGXWH GL LQTXLQDQWL DO VXROR FKH ULVXOWDQR FRPXQTXH

   9   ULFDGXWH PHLVVLYH SHU LO   ƒ SHUFHQWLOH RUDULR GHOOH FRQFH
       FRPSUHVL IUD   ƒULVSHWWWDQGR LO YDORRQHWOHOLUPPLWHHGL,1J2XWUDP

   9   PDVVLPD FRQFHQWUD]LRQH JLRUQDOLHUD GHOOD PHGLD PRELOH VX
       FRPSUHVL IUD   ƒULVSHWWWDQGR LO YDORRFRUOOLPLSRWRSLOQWD D JP —
       IFU)LJXUD

3HUWDQWR LQ FRQVLGHUD]LRQH DO IDWWR FKH OH ULFDGXWH PHLVVLYH LQ
QRUPDWLYL YLJHQWL H FKH JOL HIIHWWL LQGRWWL VLD GHO WXWWR UHYHUV
q SODXVLELOH VXSSRUUH FKH O¶LPSDWWR LQGLUHWWR LQGRWWR GDOOH HP
HG HFRVLVWHPLFD GHO 6,& LQ RJJHWWR VLD GD ULWHQHUVL GHO WXWWR W

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 ',
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6(59,=, ', ',',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

)LJXUD &RQFHQWUD]LRQH PHGLD DQQXD GL DQQXD GL SROYHUL Y
30 —J PRG LQ WHUPLQL GL PO

)LJXUD ƒ SHUFHQWLOH JLRUQDOLHUR GHOOH FRQFHQWUD]LRQL
WHUPLQL GL 30 J P

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('()),1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1(', /$925, ', 7(67 ', ',02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ',5(=,21('(, /$925, (', &225',1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/07$ %21,),&$ '(*/, $5(1,/, (0(56, ´ (5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', ´ &252*/,2 1$ ´

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)LJXUD   &RQFHQWUD]LRQH PHGLD DOQRDHGOLDPQWXDLQLWH2UPLQL GL
12   —JRG LQ WHUPLQL—GLP12

)LJXUD   ƒ SHUFHQWLOH RUDULR GMDOORURFRQEFHQWWUDLPQLRRQHLUELQ12
GL 12   —JP

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)LJXUD 0DVVLPD FRQFHQWUD]LRQH JLRUQDOLHUD GHOOD PHGLD F
YDORUH OLPLWH JJ P FRUULVSRQGHQWL D —J P

,QILQH DQFKH SHU OD FRPSRQHQWH UXPRUH L ULVXOWDWL GHOOD VLPXOD]
HODERUDWR 5HOD]LRQH $FXVWLFD (,19 ' *($0 5(/ QRQ KDQ
FULWLFLWj &RPH ULSRUWDWR QHOOHPHOPHGLDVXPRWGLF REXPHHQWWU JUGDWL LQ IDFFLWW
EHQ DO GL VRWWR GHL OLPLWL QRUPDWLYL LPSRVWL GDO 3LDHRV OGQ VFRO V
SODXVLELOH HVFOXGHUH HIIHWWL GL ULOLHYR VXOOH DUHH FLUFRVWDQWL G
GDOOH DWWLYLWj LQ SURJHWWR H TXLQGL HVFOXGHUH DQFKH LPSDWWL LQ

&RQFOXGHQGR VXOO EDVH GHOOH FRQVLGHUD]LRQL TXL ULSRUWDWL VL VV
FDQWLHUH VLDQR GD ULWHQHUVL WUDVFXUDELOL

'XDQWE VLDGL HVVHUFLJJWRHQH LQ OLQHD JHQHUDOH FKH JOL LPSDWWL VXO
HVFDYR GHO IRQGDOH H ULSDVFLPHQWR FRVWLWXLVFRQR XQD SHUWXUED]L
UHFXSHUR DPELHQWDOH FKH FRVWLWXLVFH LO YHUR PRWRUH GHOOD ELRGL
FRQWHPSODWH QHOO¶DPELWR GHO 35$58 SUHYHGRQR LQIDWWL HIIHWWL SRV
GHO SDUDJJLR PDULQR IDYRUHQGR LO UHFXSHUR GHOO IXQ]LRQDOLWj GHOO
TXDOLWj HFRVLVWHPLFD GHO 6,& ³)RQGDOL PDULQL GL *DLROD H 1LVLGD´

6XOO EDVH GHOOH FRQVLGHUD]LRQL TXL ULSRUWDWL VL VWLPD FKH JOL LP
GD ULWHQHUVL SRVLWLYL

6,& ³3RUWR 3DRQH GL 1LVLGD´ ,7

&RQVLGHUDQGR O¶XELFD]LRQH GHO PRGHOOR QRQ LV VRLRGD ULVSHWWR DOO¶DUHD GL LQW
GLVWDQ]D PLQLPD GL FLUFD NP LQ GLUH]LRQH QRUG GDOO PDWLHQ GD FXRULDS
DGODFHQWH LQ GLUH]LRQH 1RUG DO SUHVHQWH 6,& q SODXVLELOH VXSSRU
RSHUH SUHYLVWH VLD GD ULWHQHUVL GHO WXWWR WUDVFXUDELOH H WDOH
IDXQLVWLFKH HG HFRVLVWHPLFKH GHO 6,& LQ RJJHWWR

VALUTAZIONE DI INCIDENZA

La realizzazione delle opere … fase di cantiere comporta un divieto di transito in alcune imm[…]
dell'area di intervento senza interessare le zone tutelate de[…] In particolar modo gli impatti indiretti generati dalle ricadu[te] … possono essere considerate ascrivibili anche al presente SIC e a[…] del tutto trascurabili

Nello specifico con riferimento agli impatti indiretti generati […] precedente capitolo … si evidenzia che i risultati della valutazione de[…] di inquinanti in atmosfera e delle ricadute emissive indotte da[…]

- In corrispondenza della porzione nord del SIC si avranno ric[adute] delle concentrazioni di NOx con valori indicativamente in comp[…] limite di in termini di ridotto percentuale Figura

- In corrispondenza della porzione nord ovest del SIC si avrà u[n] media mobile su ore di CO con valori indicativamente compl[…] valore limite portata percentuale … precedente Figura

Sulla base di tali considerazioni pertanto è plausibile suppor[re] in atmosfera sulla componente floro faunistica ed ecosistemica[…] trascurabile Infine anche le emissioni acustiche rilevate dall[a] Relazione Acustica E INV D GE AM REL risultano essere be[…] previsti dalla zonizzazione acustica vigente con effetti circosc[ritti] oggetto Pertanto anche tali impatti indiretti saranno del tu[tto]

Concludendo sulla base delle considerazioni qui riportate si s[…] cantiere siano da ritenersi trascurabili

In fase di esercizio … con quanto già indicato per il SIC "Fon[…] prossimità fra i due siti Natura la riqualifica ambientale del[…] a lungo termine sulla componente biodiversità più prossima al[…] della funzionalità ecosistemica del SIC stesso

Sulla base delle considerazioni qui riportate si stima che gli im[patti] da ritenersi trascurabili

SIC Aree umide del cratere di Agnano IT

L'analisi degli impatti diretti ed indiretti dell'attività di componenti ambientali di[…] impatti dello SIA elaborato E INV D GE AM REL ha eviden[ziato] predominanza di impatti circoscritti all'area di intervento s[…] componenti floro faunistiche ed ecosistemiche del SIC "Aree umide[…] distanza minima pari a circa km dall'area di progetto

In particolare si specifica che per la componente atmosfera l[…] concentrazioni di inquinanti in atmosfera e delle ricadute emiss[ive] allo SIA ha rilevato che per tutti gli inquinanti considerati no[…] eccezione per il parametro NOx per il quale è stato rilevato un l[imite] prevista per in totali di _ percentuale lo pari o pro dell'area mi[…]

Inoltre come meglio rappresentato nelle mappe di isoconcentra[zione] Figura l'estensione delle ricadute emissive per tutti gli inq[uinanti] di bagnoli senza rilevare alcuna ricaduta all'interno dell'are[a]

Pertanto in considerazione agli esiti della valutazione degli i[mpatti] dall'area di intervento è plausibile concludere che il progett[o] floro faunistica ed ecosistemica del SIC in oggetto

In fase di esercizio si …ifica e riqualificazione ambientale del sito per[…] quella specifica parte di litorale costiero con impatti del tut[to] e sulla naturalità costiera comportando quindi potenziali bene[fici] SIC in oggetto Pertanto data la distanza del SIC in oggetto dal[…]

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352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1((', /$925, ', 7(67 ', ,02675$=,21(7(&1,2*,2*,&$ 2/75($,
6(59,=, ', ',5(=,21((, /$925, (&225',1$0(172 (//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($//$ 1
³5,02=,21(&2/07$ %1,)$ '(*/, $5(1,/ (0(56, ´(5,6$1$0(172 (, (67,21('(, 6(',0(17, 0$5,1 &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/('. &252*/,2 1$ '

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LQGRWWL GDOOD IDVH GL HVHUFL]LR DQFKH VH L EHQHILFL DPELHQWDOL HG
SRWUHEEHUR DYHUH ULSHUFXVVLRQL SRVLWLYH VXO 6,& H VXOO¶DUHD YDVW

6,& 6WD]LRQL GL &\DQLGLXP &DOGDULXP GL 3R]]XROL ,

,O 6,& ³6WD]LRQL GL &\DQLGLXP FDOGDULXP GL 3R]]XROL´ VL FROORFD DG X
1RUG 2YHVW ULVSHWWR DOO¶DUHD GL SURJHWWR H O¶DQDOLVL GHJOL LPSD
GHOOR 6,$ HODERUDWR   (,19 ' *($0 5(/   SHUPHWWH GR DIIHUP
VLWR 1DWXUD   LQ RJJHWWR H OD WLSRORJLD GD DGRWWDUH SHU L GX
SUHYLVWH QRQ DYDQQR ULSHUFXVVLRQL VXOO FRPSRQHQWH IORUR IDXQL

6LPLODUPHQWH DVVHQFKH VOOR ORJLFR FRPSRUWHUà DOFXQ WLSR GL LQFLGHQ]D VXO
FDOGDULXP GL 3R]]XROL´ L EHQHILFL DPELHQWDOL HG HFRVLVWHPLFL GRYX
1DWXUD   GDOO¶DUHD GL SURJHWWR QRQ VL ULVHQWLUDQQR VXOO FRPS
RJJHWWR

6,& =36 &UDWHUH GHJOL $VWURQL ,7

'DWD OD GLVWDQ]D GHO 6,& =36 ³&UDWHUH GHJOL $VWURQL´ GDOO¶DUHD GL
VXOOD EDVH GHOOD VWLPD GHJOL LPSDWWL FRQGRWW QHOOR 6,$ GL FX
 (,19 ' *($0 5(/   q SODXVLELOH DWWHVR FKH GDWH OH FRQGL]LRQL LPSDWWL
SRVVDQR DYHUH ULSHUFXVVLRQL VXOO FRPSRQHQWH IORUR IDXQLVWLFD H

$QFKH DLVH GL HVVHQRQ ORLRVWDQWH LO SURJHWWR SUHYHGD XQ UHFXSHUR HFRVL
JUD]LH DOO ERQLILFD H DOO ULTXDOLILFD GHOO¶DUHD VWHVVD GDWD OD
LQGRWWL QRQ DEELDQR ULSHUFXVVLRQL VXOO FRPSRQHQWH IORUR IDXQLV

33/72 0,672 ', 6(59,=, ', ,1*(*1(5,$ ($5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 ',
352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ,1'$*,1, (', /$925, ', 7(67 ', ,02675$=,21(7(&12/2*,&$ 2/75($,
6(59,=, ', ',5(=,21('(/ /$925, ',5(&225,1$0(172 '(//$ 6,&85(==$,1)$6(', (6(&8=,21($))(5(17($// ,1
³5,02=,21(&2/0(7$ %21,),&$ '(*/, $5(1/ ,0(56, ´ (5,6$1$0(172 (,*(67,21('(,&(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ',
5,/(9$17(,17(5(66(1$=,21$/(', &252*/,2 1$ ´

9$/87$=,21(', ,1&,'(1=$
&RGLFH (OERUDWR (,19 ' *($0 5(/ ± $JRVWR

5()(5(1&(6

$$ 99 H ,QWHUQDWLRQDO &RGH RI %RWDQLFDO 1RPHQFODWXU DGRSWHG
&RQJUHVV 9LHQQD $XVWULD

$//(*5(==$ 0 %,21', ( )(/,&, 6 $ 3K\WRVRFLRORJLFDO $QDO\VLV RI WKH
DGULDWLF VHFWRU RI WKH LWDOLDQ SHQLVXOD +DFTXHWLD

$%%$7(* $/(66$1'5,1,$ %/$6, & &217,) $Q $QQRWHG &HFNOLVW RI W
0LQLVWHUR GHOO¶DPELHQWH H GHOOD 7XWHOD GHO 7HUULWRULR 3DORPEL

%$572/2 * %58//2 6 6,*125(//2 3 /D FODVVH &ULWKPR /LPRQLHWHD QH
3K\WRVRF

*,29$11,)8/9,2 5866)/25,$1$ ', 67()$12 *OL KDELWDW VRWWRPDULQL GHOOR
-DQXDU\

,635$ 6WUDWHJLH SHU O¶DPELHQWH PDULQR 9DOXWD]LRQH ,QL]LDOH 6RWWR
0DULQL ©%R]]D 0DJJLR ª

,635$, FHWDFHL GHO 0HGLWHUUDQHR ©$OOHJDWR 9ª

,635$ *OL KDELWDW GHOO FRVWH VDEELRVH LWDOLDQH HFRORJLD H SURE

0$5,$ &5,67,1$ *$0%, $PELHQWH PDULQR FRVWLHUR H WHUULWRULR GHOOH L
6H]LRQH %LRORJLFR (FRORJLFD ©1DWLRQDO ,QVWLWXWH RI 2FHDQRJUDSK\

6$/9$725(9,*/,(%581(//$ 5(6,&$72 $1721,2 &$50,1((6326,72 (,1,&2/$ $'$02 5H
VXOOR VWDWR GHOO¶DPELHQWH LQ &DPSDQLD 1DWXUD H ELRGLYHUVLWj
$PELHQWDO ©$53$&ª

:25/' &2168(59$7,21 021,725,1* &(175(D FXUD GL 5HG OLVW RI WKUHDWH
6SHFLHV 6XUYLYDO &RPPLVVLRQ

3DJH

33/72 0,672 ', 6(59,=, ', ,1*(*1$5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 '(//$
6,&85(==$,1)$6(', 352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ', 6(59,=, ', ,1'$*,1,
',02675$=,21(7(&12/2*,&$ 2/75($, 6(59,=, ', ,5(=,21('(&225',1$0(172 '(//$ 6,&85(==$,1)$6(',
(6(&8=,21($))(517 $// ,17(59(172 '(120,1$72 ³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(
5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ', 5,/(9$17(,17(5(66(*12/,
&252**/,2 1$

9$/87$=,21(', ,1&,'(

$SSHQG

$SSHQGL[$

)RUPXODULH 0DSSH 6LWL 5HWH 1DWXUD

&RGLFH (ODERUDWR (,19 ' *($0 5(/ ± $JRVWR

33/72 0,672 ', 6(59,=, ', ,1*(*1$5&+,7(7785$ 3(5 /$ 352*(77$=,21('(),1,7,9$ (&225',1$0(172 '(//$
6,&85(==$,1)$6(', 352*(77$=,21(3(5 33/72 ,17(*5$72 &2035(16,92 ', 6(59,=, ', ,1'$*,1,
',02675$=,21(7(&12/2*,&$ 2/75($, 6(59,=, ', ,5(=,21('(&225',1$0(172 '(//$ 6,&85(==$,1)$6(',
(6(&8=,21($))(517 $// ,17(59(172 '(120,1$72 ³5,02=,21(&2/0$7$ %21,),&$ '(*/, $5(1,/, (0(
5,6$1$0(172 (*(67,21('(, 6(',0(17, 0$5,1, &2035(6, 1(//¶$5($ ', 5,/(9$17(,17(5(66(*12/,
&252**/,2 1$

NATURA   STANDARD DATA FORM

For Special Protection Areas SPA
Proposed Sites for Community Importance pSCI
Sites of Community Importance SCI and
for Special Areas of Conservation SAC

SITE	IT

SITENAME	Fondali Marini di Gaiola e Nisida

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- ECOLOGICAL INFORMATION
- SITE DESCRIPTION
- SITE PROTECTION STATUS
- SITE MANAGEMENT
- MAP OF THE SITE

SITE IDENTIFICATION

Type	Site code
B	IT

Site name

Fondali Marini di Gaiola e Nisida

First Compilation date	Update date

Respondent

Name Organisation	Regione Campania UOD Gestione Risorse Naturali Protette	
Address	b b b Centro Direzionale isola C Viale della Costituzione	Na
Email	natura @regione campania it	

Site indication and designation classification dates

Date site classified as SPA	
National legal reference of SPA designation	No data

Date site proposed as SCI	
Date site confirmed as SCI	No data
Date site designated as SAC	
National legal reference of SAC designation	GU del

SITE LOCATION

Site centre location [decimal degrees]

Longitude	Latitude

Area [ha]	Marine area [ ]

6LWHOHQJWK >NP@

$GPLQLVWUDWLYH UHJLRQ FRGH DQG QDPH

1876 OHYHO FRGH	5HJLRQ 1DPH
,7==	([WUD 5HJLR

%LRJHRJUDSKLFDO 5HJLRQ V

0HGLWHUUDQHDQ

(&2/2*,&$/ ,1)250$7,21

+DELWDW W\SHV SUHVHQW RQ WKH VLWH DQG DVVHVVPHQW IRU WKHP

%DFN WR W

$QQH[, +DELWDW W\SHV						6LWH DVVHVVPHQW			
&RGH	3)	13	&RYHU >KD@	&DYH >QXPEHU@	'DWD TXDOLW\	$_%_&_'		$_%_&	
b	b	b	b	b	b	5HSUHVHQWDWLYH 5HODWLYH VXUIDFH &RQVHUYDWLRQ REDO			
	b	b	b	b	*b	$ b	& b	% b	% b
	b	b	b	b	*b	& b	& b	% b	% b
	b	b	b	b	*b	% b	& b	% b	% b

- 3) IRU WKH KDELWDW W\SHV WKDW FDQ KDYH D QRQ SULRULW\ DV ZHOO DV D SULRULW\ IRUP WKH SULRULW\ IRUP
- 13 LQ FDVH WKDW D KDELWDW W\SH QR ORQJHU H[LVWV LQ WKH VLWH HQWHU [RSWLRQDO
- &RYHU GHFLPDO YDOXHV FDQ EH HQWHUHG
- &DYHV IRU KDELWDW W\SHV FDYHV HQWHU WKH QXPEHU RI FDYHV LI HVWLPDWHG VXUI
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ

6SHFLHV UHIHUUHG WR LQ $UWLFOH RI 'LUHFWLYH   (& DQG OLVWHG LQ $QQH[,, RI

6SHFLHV						3RSXODWLRQ LQ WKH VLWH					6LWH DVVHVVPHQW			
*	&RGH	6FLHQWLILF 1DPH	13	7	6L]H		8QLW &DW	'TXDO	$_%_&_'_$_%_&			
						0LQ	0D[				$_%_&_'_$_%_&			
b	b	b	b	b	b	0LQ	0D[	b	b	3RS	&RQ	,VR	*OR
5		&DUHWWD FDUHWWD	b	Fb	b	b	b	3b	''b	& b	$ b	& b	$ b

- *URXS $ $PSKLELDQV % %LUGV))LVK , ,QYHUWHEUDWHV 0 0DPPDOV 3 3ODQWV 5
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 7\SH S SHUPDQHQW U UHSURGXFLQJ F FRQFHQWUDWLRQ Z ZLQWHULQJ IRU SODQW DQG
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH 6WDQGDUG OLVW RI S DQG UHSRUWLQJ UHIHUHQFH SRUWDO
- $EXQGDQFH FDWHJRULHV &RPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW WR ILOO LI GDWD DU SRSXODWLRQ VL]H LQIRUPDWLRQ
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ 93 9HU\ SRRU XVH WKLV FDWHJRU\ RQO\ LI QRW HYHQ D URXJK HVW FDVH WKH ILHOGV IRU SRSXODWLRQ VL]H FDQ UHPDLQ HPSW\ EXW WKH ILHOG $EXQGDQFH FD

2WKHU LPSRUWDQW VSHFLHV RI IORUD DQG IDXQD RSWLRQDO

6SHFLHV					3RSXODWLRQ LQ WKH VLWH			0RWLYDWLRQ						
*URXS&2'(		6FLHQWLILF 1DPH		13	6L]H		8QLW&DW	6SHFLHV $QQH[			2WKHU FDWHJRULHV			
b	b	b	b	b	0LQ	0D[	b	&_5_9_3	,9	9	$	%	&	'
,b	b	$VWURLGHV FDO\FXODULV	b	b	b	b	b	&b	b	b	b	b	;b	b
,b	b	&KDUPLD FDPSDV	b	b	b	b	b	5b	b	b	b	b	;b	b
3b	b	&\PRGRFHD QRGRVD	b	b	b	b	b	&b	b	b	b	b	;b	b
,b	b	*HUDUGLD VDYDJOLD	b	b	b	b	b	3b	b	b	b	b	;b	b
,b	b	+LSSRVSRQJLD FRPPXQLV	b	b	b	b	b	&b	b	b	b	b	;b	b
,b	b	/XULD OXULGD	b	b	b	b	b	5b	b	b	b	b	;b	b
,b	b	3DOLQXUXV HOHSKDV	b	b	b	b	b	3b	b	b	b	b	;b	b
,b	b	3DUDFHQWURWXV OLYLGXV	b	b	b	b	b	&b	b	b	b	b	b	;b
,b	b	3LQQD QRELOLV	b	b	b	b	b	&b	;b	b	b	b	b	b
3b	b	3RVLGRQLD RFHDQLFD	b	b	b	b	b	&b	b	b	b	b	;b	b
)b	b	6FLDHQD XPEUD	b	b	b	b	b	5b	b	b	b	b	;b	b

- *URXS: $ $PSKLELDQV % %LUGV))LVK)X)XQJL , ,QYHUWHEUDWHV / /LFKHQV 0 0D
- &2'(IRU %LUGV $QQH[,9 DQG 9 VSHFLHV WKH FRGH DV SURYLGHG LQ WKH UHIHUHQFH SRUWD
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH VWDQGDUG OLVW RI S DQG UHSRUW (UHIHUHQFH SRUWDO)
- &DW$EXQGDQFH FDWHJRULHV & FRPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW
- 0RWLYDWLRQ FDWHJRULHV 9 9 6SHFLHV +DELWDWV $WWDFKPHQW ,9 5HG %RRN GDWD ,QWHUQDWLRQDO '&RQY RWKHU UHDVRQV

6,7('(6&5,37,21

*HQHUDO VLWH FKDUDFWHU

+DELWDW FODVV	&RYHU
1	
7RWDO +DELWDW &RYHU	

2WKHU 6LWH &KDUDFWHULVWLFV

,O WUDWWR GL PDUH SUHR LQ FRQVLGHUD]LRQH ª LQ SDUWH LQWHUHVVDWR GDO GDOO $UHD LQFOXGH O HVWHQVLRQH D PDUH GHOO LVRORWWR GL 1LVLGD SUHYLVWD GDO 3DUFR 5HJLRQDOH SUHVHQWD FRQ XQ SHQGLR GROFHPHQWH GHJUDGDQWH YHUVR LO PDUH LQ GLUH]LRQH VXG HVW FRVWD ª URFFLRVR FRQ O HFFH]LRQH GL SLFFROH EDLH FDUDWWHUL]]DWH GD VSLDJJH OD FXL V EUDGLVLVPR H O HURVLRQH GHO PDUH KDQQR GDWR RULJLQH DG XQD FRQIRUPD]LRQH D JUDGLQL JHRPRURORJLD GHL IRQGDOL GHOO DUHD ª LO ULVXOWDWR QRQ VROR GL SURFHVVL QDWXUDOL I ULPDQHJJLDPHQWR DQWURSLFR DYYHQXWR LQ HSRFD URPDQD SHU O HVWUD]LRQH GHO WXIR H SH

4XDOLW\ DQG LPSRUWDQFH

/D FRPSOHVVD JHRPRURORJLD GHO IRQGR PDULQR GHWHUPLQD OD SUHVHQ]D GL XQD JUDQGH YD SUHFRUDOOLJHQR QHOOH]RQH SL» SURIRQGH GHOOH VHFFKH GHOOD &DODODYDUD GHOOD %DGH SURSULH GL DOJKH IRWRILOH H FRUDOOLJHQR ª SUHVHQWH VXL PDQXIDWWL VRPPHUVL FKH VRQR IRWRILOL FKH VL LQVHGLDQR VXOOH SDUWL SL» HVSRVWH DOOD OXFH H SRSRODPHQWL VFLDILOL VSHWWDFRODUL JURWWH VHPL VRPPHUVH GL 7UHQWDUHPL VRQR ULFFKLVVLPH GL RUJDQLVPL GHL

7KUHDWV SUHVVXUHV DQG DFWLYLWLHV ZLWK LPSDFWV RQ WKH VLWH

2ZQHUVKLS RSWLRQDO

'RFXPHQWDWLRQ

Ancora S   Bianchi N   Butini A   Buia M C   Gambi M C   Leonzio C   Posidonia oceanica naples temporal trends by lepidochronology environmental toxicology and chemiss Stefano F   Gli habitat sottomarini delle coste dell Campania Biologi Italia Cartografia dei popolamenti bentonici esperienze in Campania Atti dell Associazi Donato R   Di Stefano F   Russo G F   I sistemi GIS dell AMP Campane di Baia Gaiola e Italiana Utenti ERSI Roma Russo G F   Di Donato R   Di Stefano F   Realizzaione del Sommerso di Gaiola Realzione tecnica Russo G F   Carrada G C   Di Donato R   Di Stefano bionomica Parco Sommerso di Gaiola Realzione tecnica

SITE PROTECTION STATUS   optional

Designation types at national and regional level

Code	Cover [ ]	Code	Cover [ ]	Code	Cover [ ]
IT		IT			

Relation of the described site with other sites

designated at national or regional level:

Type code	Site name	Type	Cover [ ]
IT	Area Marina Protetta		
IT	Parco Regionale Campi Flegrei		

Site designation   optional

SITE MANAGEMENT

Body ies responsible for the site management

Organisation	AMP Gaiola
Address	
Email	

Management Plan s

An actual management plan does exist:

- [ ] Yes   Name
  Link
- [ ] No but in preparation
- [x] No

Conservation measures optional

DGR n

MAP OF THE SITES

INSPIRE ID

Map delivered as PDF in electronic format optional

- [ ] Yes [x] No

,12   ,,62   ,,12   ,,1(870

NATURA 2000   STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
for Special Areas of Conservation (SAC)

SITE   IT

SITENAME   Porto Paone di Nisida

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- MAP OF THE SITE

SITE IDENTIFICATION

Type	Site code	Back to top
B	IT	

Site name

Porto Paone di Nisida	
First Compilation date	Update date

Respondent

Name Organisation	Regione Campania UOD Gestione Risorse Naturali Protette	
Address	⁯ ⁯ ⁯ Centro Direzionale isola C Viale della Costituzione	Na
Email	natura @regione.campania.it	

Site indication and designation / classification dates

Date site classified as SPA	
National legal reference of SPA designation	No data

Date site proposed as SCI	
Date site confirmed as SCI	No data
Date site designated as SAC	
National legal reference of SAC designation	G U del

SITE LOCATION

Back to top

Site centre location [decimal degrees]

Longitude   Latitude

Area [ha]   Marine area [ ]

SITELENGTH [km]

Administrative region code and name

NUTS level code   Region Name

| ITF | Campania |

Biogeographical Regions

Mediterranean

ECOLOGICAL INFORMATION

Habitat types present on the site and assessment for them

Back to t

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [Ha]	Cave [number]	Data Quality	A|B|C|D	A|B|C		
						Representativity	Relative Surface	Conservation	Global
b	b	b	b	b	b				
b	b	b	b	b	3 b	A b	C b	% b	% b
b	b	b	b	b	3 b	C b	C b	% b	% b

- PF for the habitat types that can have a non priority as well as a priority form the priority form
- NP in case that a habitat type no longer exists in the site enter x optional
- Cover decimal values can be entered
- Caves for habitat types cavec enter the number of caves if estimated surf
- Data Quality good e g based on surveys M Moderate e g based on partial data rough estimation

Species referred to in Article of Directive   EC and listed in Annex II of

Species					Population in the site					Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat	D Qual	A|B|C|A|B|C		
						Min	Max					Pop	Con	Iso	Glo
b	b	b	b	b	b			b		b	Pop	Con	Iso	Glo
B	A	Accipiter nisus	b	b	c b	b	b	b	V b	DD b	C b	% b	C b	% b
B	A	Alcedo atthis	b	b	c b	b	b	b	3 b	DD b	C b	% b	C b	% b
B	A	Lanius collurio	b	b	r b	b	b	S b	3 b	C b	% b	C b	% b
B	A	Larus argentatus	b	b	p b	b	b	S b	3 b	C b	% b	C b	% b
B	A	Larus argentatus	b	b	c b	b	b	S b	3 b	C b	% b	C b	% b
B	A	Larus ridibundus	b	b	w b	b	b	C b	DD b	C b	% b	C b	% b
B	A	Larus ridibundus	b	b	c b	b	b	C b	DD b	C b	% b	C b	% b
B	A	Phalacrocorax carbo sinensis	b	b	w b	b	b	L b	3 b	C b	% b	C b	% b
M	A	Rhinolophus ferrumequinum	b	b	p b	b	b	3 b	DD b	C b	A b	C b	A b
M	A	Rhinolophus hipposideros	b	b	p b	b	b	3 b	DD b	C b	A b	C b	A b
B	A	Scolopax rusticola	b	b	c b	b	b	R b	DD b	C b	A b	C b	A b

%	$	6WUHSWRSHOLD WXUWXU b	F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	7XUGXV SKLORPHORV b	b	F b	b	b	& b	'' b	& b	% b	& b	% b

- *URXS $ $PSKLELDQV % %LUGV))LVK , ,QYHUWHEUDWHV 0 0DPPDOV 3 3ODQWV 5
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 7\SH SHUPDQHQW U UHSURGXFLQJ F FRQFHQWUDWLRQ Z ZLQWHULQJ IRU SODQW DQG
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH 6WDQGDUG OLVW RI SD DQG UHSRUWLQJ [LQJHQHUHH SRUWDO](link)
- $EXQGDQFH FDWHJRULHV&RUDUH 5 UDUH 9 YHU\ UDUH 3 SUHVHQW WR ILOO LI GDWD DU SRSXODWLRQ VL]H LQIRUPDWLRQ
- 'DWD TXDOLW\ *RRG HJ EDVHG RQ VXUYH\V 0 0RGHUDWH HJ EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ 93 9HU\ SRRU XVH WKLV FDWHJRU\ RQO\ LI QRW HYHQ D URXJK HVW FDVH WKH ILHOGV IRU SRSXODWLRQ VL]H FDQ UHPDLQ HPSW\ EXW WKH ILHOG $EXQGDQFH FD

2WKHU LPSRUWDQW VSHFLHV RI IORUD DQG IDXQD RSWLRQDO

6SHFLHV				3RSXODWLRQ LQ WKH VLWH			0RWLYDWLRQ			
*URXS&2'(	6FLHQWLILF 1DPH 13		6L]H		8QLW&DW	6SHFLHV $QQH[		2WKHU FDWHJRULHV		
b	b	b	b	b	0LQ	0D[	b	&_5_9_3	,9 9	$ % & '
5 b	b	[+LHURSKLV YLULGLIODYXV](link)	b	b	b	b	& b	; b	b	b b b b
, b	b	[3LQQD QRELOLV](link)	b	b	b	b	3 b	; b	b	b b b b
5 b	b	[3RGDUFLV VLFXOXV](link)	b	b	b	b	& b	; b	b	b b b b

- *URXS $ $PSKLELDQV % %LUGV))LVK)X)XQJL , ,QYHUWHEUDWHV / /LFKHQV 0 0D
- &2'(IRU %LUGV $QQH[,9 DQG 9 VSHFLHV WKH FRGH DV SURYLGHG LQ WKH UHIHUHQFH SRUWD
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH VWDQGDUG OLVW RI SD DQG UHSRUWLQJ [LQJHQHUHH SRUWDO](link)
- &DW$EXQGDQFH FDWHJRULHV & FRPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW
- 0RWLYDWLRQ FD9 93 9SRSXOLHV 6SHFLHV +DELWDW$WWULRGDOLYHG %L(QGHGDW DQWHUQDWLRQDO '&RQY RWKHU UHDVRQV

6,7('(6&5,37,21

*HQHUDO VLWH FKDUDFWHU

+DELWDW FODVV	&RYHU
1	
1	
7RWDO +DELWDW &RYHU	

2WKHU 6LWH &KDUDFWHULVWLFV

5HVLGXR GL FUDWHUH YXOFDQLFR GL WXIR JLDOOR SDU]LDOPHQWH VRPPHUVR

4XDOLW\ DQG LPSRUWDQFH

9HJHWD]LRQH GHOOH VFRJOLHUH PHGLWHUUDQHH H GHL IRQGDOL URFFLRVL 5LFFD FKLURWWHUR

7KUHDWV SUHVVXUHV DQG DFWLYLWLHV ZLWK LPSDFWV RQ WKH VLWH

2ZQHUVKLS RSWLRQDO

'RFXPHQWDWLRQ

)UDLVVLQHW 0 H 0DVWURQDUGL 0 $WODQWH GHJOL XFFHOOL QLGLILFDQWL LQ 3URYLQFLD G

6,7(3527(&7,21 67$786 RSWLRQDO

Designation types at national and regional level

Code	Cover [ ]	Code	Cover [ ]	Code	Cover [ ]
IT					

Relation of the described site with other sites

Site designation (optional)

SITE MANAGEMENT

Body/ies responsible for the site management

Organisation	Regione Campania
Address	
Email	

Management Plan(s)

An actual management plan does exist:

[ ]	Yes	Name	
		Link	

[ ] No but in preparation

[x] No

Conservation measures (optional)

DGR n

MAP OF THE SITES

INSPIRE ID	

Map delivered as PDF in electronic format (optional)

[ ] Yes [x] No

Reference(s) to the original map used for the digitalisation of the electronic bou

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NATURA   STANDARD DATA FORM

For Special Protection Areas SPA
Proposed Sites for Community Importance pSCI
Sites of Community Importance SCI and
for Special Areas of Conservation SAC

SITE	IT
SITENAME	Aree umide del Cratere di Agnano

TABLE OF CONTENTS

- SITE IDENTIFICATION
- SITE LOCATION
- ECOLOGICAL INFORMATION
- SITE DESCRIPTION
- SITE PROTECTION STATUS
- SITE MANAGEMENT
- MAP OF THE SITE

SITE IDENTIFICATION

Type	Site code	Back to top
B	IT	

Site name

Aree umide del Cratere di Agnano	
First Compilation date	Update date

Respondent

Name/Organisation	Regione Campania	UOD Gestione Risorse Naturali Protette	Na
Address	bbb Centro Direzionale isola C	Viale della Costituzione	
Email	natura @regione.campania.it		

Site indication and designation / classification dates

Date site classified as SPA	
National legal reference of SPA designation	No data

Date site proposed as SCI	
Date site confirmed as SCI	No data
Date site designated as SAC	
National legal reference of SAC designation	G U del

SITE LOCATION

Site centre location [decimal degrees]   Back to top

Longitude	Latitude
Area [ha]	Marine area [ ]

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$GPLQLVWUDWLYH UHJLRQ FRGH DQG QDPH

1876 OHYHO FRGH	5HJLRQ 1DPH
,7)	&DPSDQLD

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+DELWDW W\SHV SUHVHQW RQ WKH VLWH DQG DVVHVVPHQW IRU WKHP

$QQH[, +DELWDW W\SHV						6LWH DVVHVVPHQW			
&RGH	3)	13	&RYHU >KD@	&DYH >QXPEHU@	'DWD TXDOLW\	$_%_&_'	$_%_&		
b	b	b	b	b	b	5HSUHVHQWDWLYH / 5HODWLYH 6XUIDFH	&RQVHUYDWLRQ	*OREDO	
b	b	b	b	b	3 b	$ b	& b	& b	$ b

- 3) IRU WKH KDELWDW W\SHV WKDW FDQ KDYH D QRQ SULRULW\ DV ZHOO DV D SULRULW\ IRUP WKH SULRULW\ IRUP
- 13 LQ FDVH WKDW D KDELWDW W\SH QR ORQJHU H[LVWV LQ WKH VLWH HQWHU [RSWLRQDO
- &RYHU GHFLPDO YDOXHV FDQ EH HQWHUHG
- &DYHV IRU KDELWDW W\SHV FDYHV HQWHU WKH QXPEHU RI FDYHV LI HVWLPDWHG VXUI
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ

6SHFLHV UHIHUUHG WR LQ $UWLFOH RI 'LUHFWLYH   (& DQG OLVWHG LQ $QQH[,, RI

6SHFLHV			3RSXODWLRQ LQ WKH VLWH							6LWH DVVHVVPHQW			
*	&RGH	6FLHQWLILF 1DPH	13	7	6L]H 0LQ	0D[	8QLW	&DW	'DWD TXDO	$_%_&_' $_%_& 3RS	&RQ	,VR	*OR
b	b	b	b	b	b	b	b	b	b	3RS	&RQ	,VR	*OR
%	$	$OFHGR DWWKLV	b	b	F b	b	b	b	5 b	'' b & b	% b	& b	% b
,		&HUDPE\[FHUGR	b	b	S b	b	b	b	3 b	'' b & b	% b	% b	% b
,		&RHQDJULRQ PHUFXULDOH	b	b	S b	b	b	b	3 b	'' b & b	% b	& b	% b
%	$	&RWXUQL[FRWXUQL[	b	b	F b	b	b	b	5 b	'' b & b	& b	& b	& b
%	$	*DOOLQXOD FKORURSXV	b	F b	b	b	S b	b	3 b & b	& b	& b	& b
%	$	*DOOLQXOD FKORURSXV	b	S b	b	b	S b	b	3 b & b	& b	& b	& b
%	$	,[REU\FKXV PLQXWXV	b	b	F b	b	b	b	5 b	'' b & b	% b	% b	% b
%	$	/DQLXV FROOXULR	b	b	U b	b	b	b	S b	b 3 b & b	% b	% b	% b
%	$	/DUXV ULGLEXQGXV	b	b	Z b	b	b	b	& b	'' b & b	% b	% b	% b
0		5KLQRORSKXV IHUUXPHTXLQXP	b	b	S b	b	b	b	5 b	'' b & b	$ b	& b	$ b
0		5KLQRORSKXV KLSSRVLGHURV	b	b	S b	b	b	b	5 b	'' b & b	$ b	& b	$ b
%	$	6FRORSD[UXVWLFROD	b	b	F b	b	b	b	9 b	'' b & b	% b	& b	& b

Group	Code	Scientific Name	S	NP	Type	Size Min	Size Max	Unit	Cat.	D.qual.	A	B	C	D
B	A	Streptopelia turtur			c				C	DD	C	C	C	C
B	A	Turdus philomelos			c				C	DD	C	C	C	C

- Group: A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = ...
- S: in case that the data on species are sensitive and therefore have to be bloc...
- NP: in case that a species is no longer present in the site enter x (optional)
- Type: p = permanent, r = reproducing, c = concentration, w = wintering for plant and...
- Unit: individuals, p = pairs or other units according to the Standard list of p... and report under the <u>reference portal</u>
- Abundance categories: C = Common, R = rare, V = very rare, P = present - to fill if data are [deficient] (DD) or in addition to population size information
- Data quality: G = Good (e.g. based on surveys); M = Moderate (e.g. based on partial data with some extrapolation); VP = Very poor (use this category only if not even a rough est[imation] ... case the fields for population size can remain empty, but the field "Abundance ca[tegories]"...

Other important species of flora and fauna (optional)

Species				Population in the site					Motivation				
Group	CODE	Scientific Name	NP	Size		Unit	Cat.	Species Annex		Other categories			
				Min	Max		C|R|V|P	IV	V	A	B	C	D
R		Hierophis viridiflavus					C	X					
A		Hyla intermedia					R			X			
R		Lacerta bilineata					C					X	
I		Lucanus tetraodon					P						X
R		Podarcis siculus					C			X			
A		Rana dalmatina					P			X			
R		Zamenis lineatus					R			X			

- Group: A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Ma...
- CODE: for Birds Annex IV and V species the code as provided in the reference porta[l]...
- S: in case that the data on species are sensitive and therefore have to be bloc...
- NP: in case that a species is no longer present in the site enter x (optional)
- Unit: individuals, p = pairs or other units according to the standard list of p... and report under the <u>reference portal</u>
- Cat.: Abundance categories: C = common, R = rare, V = very rare, P = present
- Motivation categories: IV, V: (Species Habitats Directive); A: National Red List data; B: Endemics; C: International Conventions; D: other reasons

SITE DESCRIPTION

General site character

Habitat class	Cover
N	
N	
N	
N	
Total Habitat Cover	

Other Site Characteristics

Cratere dei Campi Flegrei con stagno centrale in via di interramento. Fenomeni di...

Quality and importance

Aree periodicamente inondate con vegetazione palustre Tipha e canali con vegeta... legata al canneto, batracofauna ed entomofauna

2ZQHUVKLS RSWLRQDO

7\SH		> @
	1DWLRQDO)HGHUDO	
3XEOLF	6WDWH 3URYLQFH	
	/RFDO 0XQLFLSDO	
	$Q\ 3XEOLF	
-RLQW RU &R 2ZQHUVKLS		
3ULYDWH		
8QNQRZQ		
VXP		

'RFXPHQWDWLRQ

)UDLVVLQHW 0 H 0DVWURQDUGL 0 $WODQWH GHJOL XFFHOOL QLGLILFDQWL LQ 3URYLQFLD G

6,7(3527(&7,21 67$786 RSWLRQDO

'HVLJQDWLRQ W\SHV DW QDWLRQDO DQG UHJLRQDO OHYHO

&RGH	&RYHU > @	&RGH	&RYHU > @	&RGH	&RYHU > @
,7					

5HODWLRQ RI WKH GHVFULEHG VLWH ZLWK RWKHU VLWHV

designated at national or regional level:

7\SH FRGH	6LWH QDPH		7\SH	&RYHU > @
,7	3 5 &DPSL)OHJUHL			

6LWH GHVLJQDWLRQ RSWLRQDO

6,7(0$1$*(0(17

%RG\ LHV UHVSRQVLEOH IRU WKH VLWH PDQDJHPHQW

2UJDQLVDWLRQ	5HJLRQH &DPSDQLD
$GGUHVV	
(PDLO	

0DQDJHPHQW 3ODQ V

An actual management plan does exist:

☐ <HV   1DPH
             /LQN

☐ 1R EXW LQ SUHSDUDWLRQ

[☒] 1R

&RQVHUYDWLRQ PHDVXUHV RSWLRQDO

' * 5 Q

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,163,5(,'	

0DS GHOLYHUHG DV 3') LQ HOHFWURQLF IRUPDW RSWLRQDO

☐ <HV ⊡ 1R

5HIHUHQFH V WR WKH RULJLQDO PDS XVHG IRU WKH GLJLWDOLVDWLRQ RI WKH HOHFWURQLF ERX

,9 6(,9 62   *DXVV %RDJD &57 '(*/ +$%,7$7 &25,1(/$1'&29(5 ,,,

NATURA   STANDARD DATA FORM

For Special Protection Areas SPA
Proposed Sites for Community Importance pSCI
Sites of Community Importance SCI and
for Special Areas of Conservation SAC

| SITE | | IT |

| SITENAME | Stazioni di Cyandium caldarium di Pozzuoli |

TABLE OF CONTENTS

SITE IDENTIFICATION

Type	Site code
B	IT

Site name

| Stazioni di Cyandium caldarium di Pozzuoli |

First Compilation date	Update date

Respondent

Name Organisation	Regione Campania UOD Gestione Risorse Naturali Protette	Na
Address	b b b Centro Direzionale isola C Viale della Costituzione	
Email	natura @regione campania it	

Site indication and designation   classification dates

Date site classified as SPA	
National legal reference of SPA designation	No data

Date site proposed as SCI	
Date site confirmed as SCI	No data
Date site designated as SAC	
National legal reference of SAC designation	G U del

SITE LOCATION

Site centre location [decimal degrees]

Longitude	Latitude

Area [ha]	Marine area [ ]

$GPLQLVWUDWLYH UHJLRQ FRGH DQG QDPH

1876 OHYHO	FRGH	5HJLRQ 1DPH
,7)		&DPSDQLD

%LRJHRJUDSKLFDO 5HJLRQ V

0HGLWHUUDQHDQ

(&2/2*,&$/ ,1)250$7,21

+DELWDW W\SHV SUHVHQW RQ WKH VLWH DQG DVVHVVPHQW IRU WKHP

%DFN WR W

$QQH[, +DELWDW W\SHV						6LWH DVVHVVPHQW			
&RGH	3)	13	&RYHU >KD@	&DYH >QXPEHU@	'DWD TXDOLW\	$_%_&_'		$_%_&	
b	b	b	b	b	b	5HSUHVHQWDWLYH	5HODWLYH 6XUIDFH	&RQVHUYDWLRQ	*OREDO
b	b	b	b	b	3 b	% b	& b	% b	$ b

- 3) IRU WKH KDELWDW W\SHV WKDW FDQ KDYH D QRQ SULRULW\ DV ZHOO DV D SULRULW\ IRUP WKH SULRULW\ IRUP
- 13 LQ FDVH WKDW D KDELWDW W\SH QR ORQJHU H[LVWV LQ WKH VLWH HQWHU [RSWLRQDO
- &RYHU HFLPDO YDOXHV FDQ EH HQWHUHG
- &DYHV IRU KDELWDW W\SHV   FDYHV HQWHU WKH QXPEHU RI FDYHV LI HVWLPDWHG VXUI
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ

6SHFLHV UHIHUUHG WR LQ $UWLFOH RI 'LUHFWLYH   (& DQG OLVWHG LQ $QQH[,, RI

6SHFLHV					3RSXODWLRQ LQ WKH VLWH					6LWH DVVHVVPHQW			
*	&RGH	6FLHQWLILF 1DPH	13	7	6L]H		8QLW	&DW	'TXDO	$_%_&_$_%_&			
b	b	b	b	b	b	0LQ	0D[	b	b	3RS	&RQ	,VR	*OR
%	$	$OFHGR DWWKLV	b	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	*DOOLQXOD FKORURSXV	b	S b	b	S b	b	3 b	& b	& b	& b	& b
%	$	/DQLXV FROOXULR	b	U b	b	S b	b	3 b	% b	& b	% b
0		5KLQRORSKXV IHUUXPHTXLQXP	b	b	S b	b	b	b	3 b	'' b	& b	$ b	& b	$ b
0		5KLQRORSKXV KLSSRVLGHURV	b	b	S b	b	b	b	3 b	'' b	& b	$ b	& b	$ b
%	$	6FRORSD[UXVWLFROD	b	F b	b	b	5 b	'' b	& b	& b	& b
%	$	6WUHSWRSHOLD WXUWXU	b	F b	b	b	& b	'' b	& b	& b	& b
%	$	7XUGXV SKLORPHORV	b	F b	b	b	5 b	'' b	& b	% b	& b	% b

- *URXS$ $PSKLELDQV % %LUGV))LVK , ,QYHUWHEUDWHV 0 0DPPDOV 3 3ODQWV 5
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 7\SHS SHUPDQHQW U UHSURGXFLQJ F FRQFHQWUDWLRQ Z ZLQWHULQJ IRU SODQW DQG

- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH 6WDQGDUG OLVW RI SI DQG UHSRUWHQJHQFH SRUWDO
- $EXQGDQFH FDWHJRULHVo R&FDWQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW WR ILOO LI GDWD DU SRSXODWLRQ VL]H LQIRUPDWLRQ
- 'DWD TXDOLW\ooWRRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ 93 9HU\ SRRU XVH WKLV FDWHJRU\ RQO\ LI QRW HYHQ D URXJK HVW FDVH WKH ILHOGV IRU SRSXODWLRQ VL]H FDQ UHPDLQ HPSW\ EXW WKH ILHOG $EXQGDQFH FD

2WKHU LPSRUWDQW VSHFLHV RI IORUD DQG IDXQD RSWLRQDO

6SHFLHV					3RSXODWLRQ LQ WKH VLWH			0RWLYDWLRQ						
*URXS&2'(	6FLHQWLILF	1DPH		13	6L]H		8QLW&DW	6SHFLHV $QQH[			2WKHU FDWHJRULHV			
b	b	b	b	b	0LQ	0D[	b	&_5_9_3	,9	9	$	%	&	'
3 b	b	&\DQLGLXP FDOG...DULXP		b	b	b	b	3 b	b	b	b	b	b	; b

- *URXS $ $PSKLELDQV % %LUGV))LVK)X)XQJL , ,QYHUWHEUDWHV / /LFKHQV 0 0D
- &2'(IRU %LUGV $QQH[,9 DQG 9 VSHFLHV WKH FRGH DV SURYLGHG LQ WKH UHIHUHQFH SRUWD
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH VWDQGDU OLVW RI SI DQG UHSRUWLQJHQFH SRUWDO
- &DW$EXQGDQFH FDWHJRULHV & FRPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW
- 0RWLYDWLRQ FDWHJRULHV 9H93RUOLHV 6SHFLHV +DELWDW$QWDWLURGDOYYHG %L\QGHGDWD LQWHUQDWLRQDO '&RQY RWKHU UHDVRQV

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*HQHUDO VLWH FKDUDFWHU

+DELWDW FODVV	&RYHU
1	
7RWDO +DELWDW &RYHU	

2WKHU 6LWH &KDUDFWHULVWLFV

$PELHQWL IXPDUROLFL FDOGL HG DFLGL

4XDOLW\ DQG LPSRUWDQFH

8QLFD VWD]LRQH HXURSHD GL TXHVWD DOJD WHUPRILOD

7KUHDWV SUHVVXUHV DQG DFWLYLWLHV ZLWK LPSDFWV RQ WKH VLWH

2ZQHUVKLS RSWLRQDO

'RFXPHQWDWLRQ

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'HVLJQDWLRQ W\SHV DW QDWLRQDO DQG UHJLRQDO OHYHO

&RGH	&RYHU > @	&RGH	&RYHU > @	&RGH	&RYHU > @
,7					

5HODWLRQ RI WKH GHVFULEHG VLWH ZLWK RWKHU VLWHV

designated at national or regional level:

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%RG\ LHV UHVSRQVLEOH IRU WKH VLWH PDQDJHPHQW

2UJDQLVDWLRQ	5HJLRQH &DPSDQLD
$GGUHVV	
(PDLO	

0DQDJHPHQW 3ODQ V

An actual management plan does exist:

☐ <HV   1DPH

/LQN

☐ 1R EXW LQ SUHSDUDWLRQ

☒ 1R

&RQVHUYDWLRQ PHDVXUHV RSWLRQDO

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0DS GHOLYHUHG DV 3') LQ HOHFWURQLF IRUPDW RSWLRQDO

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5HIHUHQFH V WR WKH RULJLQDO PDS XVHG IRU WKH GLJLWDOLVDWLRQ RI WKH HOHFWURQLF ERX

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1$785$ 67$1'$5' '7)250

)RU 6SHFLDO 3URWHFWLRQ $UHDV 63$
3URSRVHG 6LWHV IRU &RPPXQLW\ ,PSRUWDQFH S6&,
6LWHV RI &RPPXQLW\ ,PSRUWDQFH 6&, DQG
IRU 6SHFLDO $UHDV RI &RQVHUYDWLRQ 6$&

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- 6,7(/2&$7,21
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7\SH	6LWH FRGH	%DFN WR W
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&UDWHUH GL $VWURQL

)LUVW &RPSLODWLRQ GDWH	8SGDWH GDWH

5HVSRQGHQW

1DPH 2UJDQLVDWLRQ	5HJLRQH &DPSDQLD 82' *HVWLRQH 5LVRUVH 1DWXUDOL 3URWHWWH	
$GGUHVV	¦ ¦ ¦ &HQWUR 'LUH]LRQDOH LVROD & 9LDOH GHOOD &RVWLWX]LRQH	1D
(PDLO	QDWXUD #UHJLRQH FDPSDQLD LW	

6LWH LQGLFDWLRQ DQG GHVLJQDWLRQ   FODVVLILFDWLRQ GDWHV

'DWH VLWH FODVVLILHG DV 63$		
1DWLRQDO OHJDO UHIHUHQFH RI 63$ GHVLJQDWLRQ	Q	GHO

'DWH VLWH SURSRVHG DV 6&,		
'DWH VLWH FRQILUPHG DV 6&,	1R GDWD	
'DWH VLWH GHVLJQDWHG DV 6$&		
1DWLRQDO OHJDO UHIHUHQFH RI 6$& GHVLJQDWLRQ	* 8	GHO

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6LWH FHQWUH ORFDWLRQ >GHFLPDO GHJUHHV@

/RQJLWXGH   /DWLWXGH

$UHD >KD@   0DULQH DUHD > @

$GPLQLVWUDWLYH UHJLRQ FRGH DQG QDPH

1876 OHYHO FRGH	5HJLRQ 1DPH
,7)	&DPSDQLD

%LRJHRJUDSKLFDO 5HJLRQ V

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+DELWDW W\SHV SUHVHQW RQ WKH VLWH DQG DVVHVVPHQW IRU WKHP

$QQH[, +DELWDW W\SHV						6LWH DVVHVVPHQW			
&RGH	3)	13	&RYHU >KD@	&DYH >QXPEHU@	'DWD TXDOLW\	$_%_&_'	$_%_&		
b	b	b	b	b	b	5HSUHVHQWDWLYH 5HODWLYH 6XRQDFH &RQVHUYDWLRQ REDO			
	b	b	b	b	b	3 b	% b	& b	& b	$ b
	b	b	b	b	b	3 b	% b	& b	$ b	$ b

- 3) IRU WKH KDELWDW W\SHV WKDW FDQ KDYH D QRQ SULRULW\ DV ZHOO DV D SULRULW\ IRUP WKH SULRULW\ IRUP
- 13 LQ FDVH WKDW D KDELWDW W\SH QR ORQJHU H[LVWV LQ WKH VLWH HQWHU [RSWLRQDO
- &RYHU GHFLPDO YDOXHV FDQ EH HQWHUHG
- &DYHV IRU KDELWDW W\SHV   FDYHV HQWHU WKH QXPEHU RI FDYHV LI HVWLPDWHG VXII
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ

6SHFLHV UHIHUUHG WR LQ $UWLFOH RI 'LUHFWLYH   (& DQG OLVWHG LQ $QQH[,, RI

6SHFLHV						3RSXODWLRQ LQ WKH VLWH						6LWH DVVHVVPHQW			
*		&RGH6FLHQWLILF 1DPH	13	7	6L]H			8QLW&DW	'TXDO	$_%_&_$_%_&				
					0LQ	0D[				3RS	&RQ	,VR	*OR
b	b	b	b	b	b	0LQ	0D[	b		b	3RS	&RQ	,VR	*OR
%	$	$OFHGR DWWKLV	b	b	F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	$OFHGR DWWKLV	b	b	Z b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	$UGHD SXUSXUHD	b	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	$UGHROD UDOORLGHV	b	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	$\WK\D Q\URFD	b	b	S b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	%RWDXUXV VWHOODULV	b	b	F b	b	b	b	9 b	'' b	& b	% b	& b	% b
%	$	&DOLGULV SXJQD[	b	b	F b	b	b	b	3 b	'' b	& b	& b	& b	& b
%	$	&DSULPXOJXV HXURSDHXV	b	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	&DSULPXOJXV HXURSDHXV	b	b	S b	b	b	b	3 b	'' b	& b	% b	& b	% b
,		&HUDPE\[FHGUR	b	b	S b	b	b	b	3 b	'' b	& b	$ b	% b	$ b
%	$	&LUFXV DHUXJLQRVXV	b	b	F b	b	b	b	3 b	'' b	& b	% b	& b	% b
,		&RHQDJULRQ PHUFXULDOH	b	b	S b	b	b	b	3 b	'' b	& b	% b	% b	$ b
%	$	&ROXPED SDOXPEXV	b	b	U b	b	b	S b	b	3 b	& b	% b	& b	% b

%	$	&\DQHFXOD VYHFLFD	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	)DOFR SHUHJULQXV	b	S b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	)LFHGXOD DOELFROOLV	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	)XOLFD DWUD	b	S b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	)XOLFD DWUD	b	Z b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	*DOOLQXOD FKORURSXV	b	S b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	*DOOLQXOD FKORURSXV	b	Z b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	+LHUDDHWXV SHQQDWXV	b	F b	b	b	b	3 b	'' b	& b	% b	& b	% b
%	$	+LPDQWRSXV KLPDQWRSXV	b	F b	b	b	b	9 b	'' b	& b	% b	& b	% b
%	$	,[REU\FKXV PLQXWXV	b	U b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	/DQLXV FROOXULR	b	U b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	/DQLXV FROOXULR	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	0LOYXV PLJUDQV	b	F b	b	b	b	3 b	'' b	& b	& b	% b	& b
%	$	3DQGLRQ KDOLDHWXV	b	F b	b	b	b	3 b	'' b	& b	% b	& b	% b
%	$	3HUQLV DSLYRUXV	b	F b	b	b	b	3 b	'' b	& b	% b	& b	% b
%	$	3RU]DQD SRU]DQD	b	F b	b	b	b	5 b	'' b	& b	% b	& b	% b
%	$	5DOOXV DTXDWLFXV	b	Z b	b	b	S b	b	3 b	& b	& b	& b	& b
%	$	5DOOXV DTXDWLFXV	b	S b	b	b	S b	b	3 b	& b	& b	& b	& b
0		5KLQRORSKXV IHUUXPHTXLQXP	b	b	S b	b	b	9 b	'' b	& b	$ b	& b	$ b
0		5KLQRORSKXV KLSSRVLGHURV	b	b	S b	b	b	9 b	'' b	& b	$ b	& b	$ b
%	$	6FRORSD[UXVWLFROD	b	Z b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	6WUHSWRSHOLD WXUWXU	b	U b	b	b	S b	b	3 b	& b	% b	& b	% b
%	$	6WUHSWRSHOLD WXUWXU	b	F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	7XUGXV SKLORPHORV	b	Z b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	7XUGXV SKLORPHORV	b	F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	=DSRUQLD SDUYD	b	b	F b	b	b	5 b	'' b	& b	% b	& b	% b

- *URXS$ $PSKLELDQV % %LUGV))LVK , ,QYHUWHEUDWHV 0 0DPPDOV 3 3ODQWV 5
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 7\SH S SHUPDQHQW U UHSURGXFLQJ F FRQFHQWUDWLRQ Z ZLQWHULQJ IRU SODQW DQG
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH 6WDQGDUG OLVW RI SR
  DQG UHSRUW(LQJ JXLGHOLQHV SRUWDO
- $EXQGDQFH FDWHJRULHV (FDW) &RPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW WR ILOO LI GDWD DU
  SRSXODWLRQ VL]H LQIRUPDWLRQ
- 'DWD TXDOLW\ *RRG HJ EDVHG RQ VXUYH\V 0 0RGHUDWH HJ EDVHG RQ SDUWLDO GDWD
  URXJK HVWLPDWLRQ 93 9HU\ SRRU XVH WKLV FDWHJRU\ RQO\ LI QRW HYHQ D URXJK HV
  FDVH WKH ILHOGV IRU SRSXODWLRQ VL]H FDQ UHPDLQ HPSW\ EXW WKH ILHOG $EXQGDQFH FD

2WKHU LPSRUWDQW VSHFLHV RI IORUD DQG IDXQD (RSWLRQDO)

6SHFLHV						3RSXODWLRQ LQ WKH VLWH			0RWLYDWLRQ				
*URXS&2'(	6FLHQWLILF 1DPH			13	6L]H		8QLW	&DW	6SHFLHV $QQH[		2WKHU FDWHJRULHV		
b	b	b		b	b	0LQ	0D[	b	&_5_9_3	,9	9	$	%	&	'
, b	b	$QDFLDHVFKQD LVRVFHOHV		b	b	b	b	b	3 b	b	b	b	b	b	; b
, b	b	&HULDJULRQ WHQHOOXP		b	b	b	b	b	3 b	b	b	; b	b	b
5 b		b	+HLURSKLV YLULGLIODYXV		b	b	b	b	b	& b	; b	b	b	b	b
$ b	b	+\OD LWDOLFD		b	b	b	b	b	5 b	b	b	; b	b	b

5 b	b	/DFHUWD ELOLQHD b WD	b	b	b	b	& b	b	b	; b	b	b	b
, b	b	/XFDQXV WHWUDJR b GRQ	b	b	b	b	3 b	b	b	b	b	b	; b
5 b	b	3RGDUFLV VLFXO b V	b	b	b	b	& b	; b	b	b	b	b	b
$ b	b	5DQD GDOPDWLQ b D	b	b	b	b	3 b	; b	b	b	b	b	b
, b	b	6FDUDEDHXV VDF b HU	b	b	b	b	3 b	b	b	b	b	b	; b
, b	b	6\PSHFPD IXVF b FD	b	b	b	b	3 b	b	b	b	b	b	; b
5 b	b	=DPHQLV OLQHDW b XV	b	b	b	b	5 b	; b	b	b	b	b	b

- *URXS $ $PSKLELDQV % %LUGV))LVK)X)XQJL , ,QYHUWHEUDWHV / /LFKHQV 0 0D
- &2'(IRU %LUGV $QQH[,9 DQG 9 VSHFLHV WKH FRGH DV SURYLGHG LQ WKH UHIHUHQFH SRUWD
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH VWDQGDUG OLVW RI S DQG UHSRUW LQJ JXLGHOLQHV SRUWDO
- &DW $EXQGDQFH FDWHJRULHV & FRPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW
- 0RWLYDWLRQ FD 9 9SRSXODWLRQ 6SHFLHV +DELWDW $WWUDFWLRQDOLYHG %LQGHGDWD LQWHUQDWLRQDO '&RQY RWKHU UHDVRQV

6,7('(6&5,37,21

*HQHUDO VLWH FKDUDFWHU

+DELWDW FODVV	&RYHU
1	
1	
1	
1	
7RWDO +DELWDW &RYHU	

2WKHU 6LWH &KDUDFWHULVWLFV

3LFFROR YXOFDQR VSHQWR GHL &DPSL)OHJUHL FRQ DO FHQWUR XQ DUHD SDOXVWUH LQ YLD GL L WHUPRLJURPHWULFKH LQYHUVLRQH YHJHWD]LRQDOH

4XDOLW\ DQG LPSRUWDQFH

,QWHUHVVDQWL SUHVHQ]H GL ERVFR GL FDGXFLIRJOLH YHJHWD]LRQH PHGLWHUUDQHD)HQRPHQ IRQGR GHO FUDWHUH H PDFFKLD PHGLWHUUDQHD VXOOH SDUHWH D TXRWH SLX HOHYDWH ,QWHU

7KUHDV SUHVVXUHV DQG DFWLYLWLHV ZLWK LPSDFWV RQ WKH VLWH

2ZQHUVKLS RSWLRQDO

7\SH	> @
3XEOLF	1DWLRQDO)HGHUDO	
	6WDWH 3URYLQFH	
	/RFDO 0XQLFLSDO	
	$Q\ 3XEOLF	
-RLQW RU &R 2ZQHUVKLS	
3ULYDWH	
8QNQRZQ	
VXP	

'RFXPHQWDWLRQ

8/,(/0 5 %$*/(67,(5, 5 *,$11277, 0 3ULPL GDWL VX FRQVLVWHQ]D GHQVLW H GLVWULEX]L SHUHJULQXV ERRNHL QLGLILFDQWH D 1DSROL 3LFXV 3LFLRFFKL 6 H %DOHVWULHUL 5 /$ $VWURQL 2DVL ::) $YRFHWWD $JRVWLQL 5 &RQWULEXWL DOO FRQRVFHQ]D GL SDUWLFRODUH VWD]LRQH GHOO ,WDOLD PHULGLRQDOH ,WDOLD)RUHVW H 0RQW /D 9DOY LQ &DPSDLQ VLWXD]LRQH DWWXDOH H SURSRVWH ,QI %RW ,WDO 0D]]ROHQL 6 &DPSDLQ $QQ GL %RW 6WXGL VXO 7HUULWRULR VXSSO 7HUUDFFLDUR 1 1DW 1DSROL 6HU 7HUUDFFLDR 1 $JJLXQWD DOOD)ORUD GHL &DPSL)OHJUHL

6HFRQGD DJJLXQWD DOOD)ORUD GHL &DPSL)OHJUHL $WWL ,VW ,QFRUDJJ 1DSROL 'DQWRQLR 8
&UDWHUH GHJOL $VWURQL 6WXG 5LF 6LVW $UHH 3URWHWWH ::) ,W   )UDLVVLQHW 0 H 0D
3URYLQFLD GL 1DSROL   0RQJU Q $62,0 1DSROL

6,7(3527(&7,21 67$786 RSWLRQDO

'HVLJQDWLRQ W\SHV DW QDWLRQDO DQG UHJLRQDO OHYHO

%DFN WR W

&RGH	&RYHU > @	&RGH	&RYHU > @	&RGH	&RYHU > @
,7		,7			

5HODWLRQ RI WKH GHVFULEHG VLWH ZLWK RWKHU VLWHV

designated at national or regional level:

7\SH FRGH	6LWH QDPH	7\SH	&RYHU > @
,7	3 5 &DPSL)OHJUHL		
,7	&UDWHUH GHJOL $VWURQL		

6LWH GHVLJQDWLRQ RSWLRQDO

6,7(0$1$*(0(17

%RG\ LHV UHVSRQVLEOH IRU WKH VLWH PDQDJHPHQW

%DFN WR W

2UJDQLVDWLRQ	51 $VWURQL
$GGUHVV	
(PDLO	

0DQDJHPHQW 3ODQ V

An actual management plan does exist:

☐ <HV   1DPH
         /LQN

☐ 1R EXW LQ SUHSDUDWLRQ
☒ 1R

&RQVHUYDWLRQ PHDVXUHV RSWLRQDO

' * 5 Q

0$3 2) 7+(6,7(6

%DFN WR W

,163,5(,'

0DS GHOLYHUHG DV 3') LQ HOHFWURQLF IRUPDW RSWLRQDO

☐ <HV ☒ 1R

5HIHUHQFH V WR WKH RULJLQDO PDS XVHG IRU WKH GLJLWDOLVDWLRQ RI WKH HOHFWURQLF ERX

,, 12   , 6   *DXVV %RDJD &57 '(*/, +$%,7$7 &25,1(/$1'&29(5 ,,,

NATURA 2000 STANDARD DATA FORM

For Special Protection Areas (SPA,
Proposed Sites for Community Importance (pSCI,
Sites of Community Importance (SCI, and
for Special Areas of Conservation (SAC

SITE	IT

SITENAME	Collina dei Camaldoli

TABLE OF CONTENTS

- SITE IDENTIFICATION
- SITE LOCATION
- ECOLOGICAL INFORMATION
- SITE DESCRIPTION
- SITE PROTECTION STATUS
- SITE MANAGEMENT
- MAP OF THE SITE

SITE IDENTIFICATION

Type	Site code	Back to top
B	IT	

Site name

Collina dei Camaldoli

First Compilation date	Update date

Respondent

Name/Organisation	Regione Campania UOD Gestione Risorse Naturali Protette	Na
Address	b b b Centro Direzionale isola C Viale della Costituzione	
Email	natura[@]regione.campania.it	

Site indication and designation / classification dates

Date site classified as SPA	
National legal reference of SPA designation	No data

Date site proposed as SCI	
Date site confirmed as SCI	No data
Date site designated as SAC	
National legal reference of SAC designation	G U del

SITE LOCATION

Site centre location [decimal degrees]

Longitude	Latitude

Area [ha]	Marine area [ ]

6LWHOHQJWK >NP@

$GPLQLVWUDWLYH UHJLRQ FRGH DQG QDPH

1876 OHYHO FRGH   5HJLRQ 1DPH

,7)	&DPSDQLD

%LRJHRJUDSKLFDO 5HJLRQ V

0HGLWHUUDQHDQ

(&2/2*,&$/ ,1)250$7,21

+DELWDW W\SHV SUHVHQW RQ WKH VLWH DQG DVVHVVPHQW IRU WKHP

$QQH[, +DELWDW W\SHV						6LWH DVVHVVPHQW			
&RGH	3)	13	&RYHU >KD@	&DYH >QXPEHU@	'DWD TXDOLW\	$_%_&_'	$_%_&		
b	b	b	b	b	b	5HSUHVHQWDWLYH 5HODWLYH 6XUIDFH &RQVHUYDWLRQ *OREDO			
	b	b	b	b	b	3 b	% b	& b	& b	& b
	b	b	b	b	b	3 b	% b	& b	& b	& b
	b	b	b	b	b	3 b	% b	& b	& b	& b
	b	b	b	b	b	3 b	& b	& b	& b	& b

- 3) IRU WKH KDELWDW W\SHV WKDW FDQ KDYH D QRQ SULRULW\ DV ZHOO DV D SULRULW\ IRUP WKH SULRULW\ IRUP
- 13 LQ FDVH WKDW D KDELWDW W\SH QR ORQJHU H[LVWV LQ WKH VLWH HQWHU [RSWLRQDO
- &RYHU GHFLPDO YDOXHV FDQ EH HQWHUHG
- &DYHV IRU KDELWDW W\SHV   FDYHV HQWHU WKH QXPEHU RI FDYHV LI HVWLPDWHG VXU
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ

6SHFLHV UHIHUUHG WR LQ $UWLFOH   RI 'LUHFWLYH   (& DQG OLVWHG LQ $QQH[,, RI

6SHFLHV						3RSXODWLRQ LQ WKH VLWH				6LWH DVVHVVPHQW			
*	&RGH	6FLHQWLILF 1DPH	13	7	6L]H		8QLW	&DW	'DWD TXDO	$_%_&_	$_%_&		
b	b	b	b	b	b	0LQ	0D[	b		b	3RS	&RQ	,VR	*OR
,		&HUDPE\[FHUGR	b	b	3 b	b	b	b	3 b	'' b	& b	% b	% b	% b
%	$	&RWXUQL[FRWXUQL[	b	F b	b	b	b	& b	'' b	& b	& b	& b	& b
5		(ODSKH TXDWXRUOLQHDWD	b	b	3 b	b	b	b	3 b	'' b	& b	$ b	& b	$ b
%	$	)DOFR SHUHJULQXV	b	b	3 b	b	b	b	3 b	'' b	& b	% b	& b	% b
%	$	/DQLXV FROOXULR	b	b	F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	/DQLXV FROOXULR	b	b	U b	b	b	6 b	b	3 b	& b	% b	& b	% b
%	$	3HUQLV DSLYRUXV	b	b	F b	b	b	5 b	'' b	& b	% b	& b	% b
0		5KLQRORSKXV IHUUXPHTXLQXP	b	b	3 b	b	b	b	3 b	'' b	& b	$ b	& b	$ b
0		5KLQRORSKXV KLSSRVLGHURV	b	b	3 b	b	b	b	3 b	'' b	& b	$ b	& b	$ b

%	$	[6WUHSWRSHROLD WXUWXV](#)		F b	b	b	b	& b	'' b	& b	% b	& b	% b
%	$	[7XUGXV SKLORPHORV](#)	b	F b	b	b	b	& b	'' b	& b	& b	& b	& b

- *URXS $ $PSKLELDQV % %LUGV))LVK , ,QYHUWHEUDWHV 0 0DPPDOV 3 3ODQWV 5
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 7\SH SHUPDQHQW U UHSURGXFLQJ F FRQFHQWUDWLRQ Z ZLQWHULQJ IRU SODQW DQG
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH 6WDQGDUG OLVW RI SR DQG UHSRUW[LQJ UHIHUHQFH](#) SRUWDO
- $EXQGDQFH FDWHJRULHV &FDW 5 UDUH 9 YHU\ UDUH 3 SUHVHQW WR ILOO LI GDWD DU SRSXODWLRQ VL]H LQIRUPDWLRQ
- 'DWD TXDOLW\ *RRG H J EDVHG RQ VXUYH\V 0 0RGHUDWH H J EDVHG RQ SDUWLDO GDWD URXJK HVWLPDWLRQ 93 9HU\ SRRU XVH WKLV FDWHJRU\ RQO\ LI QRW HYHQ D URXJK HV FDVH WKH ILHOGV IRU SRSXODWLRQ VL]H FDQ UHPDLQ HPSW\ EXW WKH ILHOG $EXQGDQFH FD

2WKHU LPSRUWDQW VSHFLHV RI IORUD DQG IDXQD RSWLRQDO

6SHFLHV					3RSXODWLRQ LQ WKH VLWH			0RWLYDWLRQ						
*URXS	&2'(	6FLHQWLILF 1DPH		13	6L]H		8QLW &DW	6SHFLHV $QQH[			2WKHU FDWHJRULHV			
b	b	b		b	0LQ	0D[	b	&_5_9_3	,9	9	$	%	&	'
, b	b	[$QDFLDHVFKQD LVRVFHOHV](#)		b	b	b	3 b	b	b	b	b	; b	b
5 b	b	[+LHURSKLV YLULGLIODYXV](#)		b	b	b	& b	; b	b	b	b	b	b
5 b	b	[/DFHUWD ELOLQHDWD](#)		b	b	b	& b	b	b	b	; b	b
, b	b	[/XFDQXV WHWUDRGRQ](#)		b	b	b	3 b	b	b	b	b	; b
5 b	b	[3RGDUFLV VLFXOXV](#)		b	b	b	& b	; b	b	b	b	b	b
, b	b	[6FDUDEDHXV VDFHU](#)		b	b	b	3 b	b	b	b	b	; b

- *URXS $ $PSKLELDQV % %LUGV))LVK)X)XQJL , ,QYHUWHEUDWHV / /LFKHQV 0 0D
- &2'(IRU %LUGV $QQH[,9 DQG 9 VSHFLHV WKH FRGH DV SURYLGHG LQ WKH UHIHUHQFH SRUWD
- 6 LQ FDVH WKDW WKH GDWD RQ VSHFLHV DUH VHQVLWLYH DQG WKHUHIRUH KDYH WR EH EORF
- 13 LQ FDVH WKDW D VSHFLHV LV QR ORQJHU SUHVHQW LQ WKH VLWH HQWHU [RSWLRQDO
- 8QLW LQGLYLGXDOV S SDLUV RU RWKHU XQLWV DFFRUGLQJ WR WKH VWDQGDUG OLVW RI SR DQG UHSRUW[LQJ UHIHUHQFH](#) SRUWDO
- &DW $EXQGDQFH FDWHJRULHV & FRPPRQ 5 UDUH 9 YHU\ UDUH 3 SUHVHQW
- 0RWLYDWLRQ FDWHJRULHV 9 WKH 9 6SHFLHV +DELWDWV 'LUHFWLYH DUWLFOH 5HG 'DWD %RRN (QGHPLF ,QWHUQDWLRQDO &RQY RWKHU UHDVRQV

6,7('(6&5,37,21

*HQHUDO VLWH FKDUDFWHU

[%DFN WR W](#)

+DELWDW FODVV	&RYHU
1	
1	
1	
1	
1	
7RWDO +DELWDW &RYHU	

2WKHU 6LWH &KDUDFWHULVWLFV

3DUHWH VHWWHQWULRQDOH GHOOD FDOGHUD GHL &DPSL)OHJUHL GL QDWXUD WXIDFHD

4XDOLW\ DQG LPSRUWDQFH

9DVWD DUHD DL PDUJLQL VHWWHQWULRQDOL GHOOD PHWURSROL QDSROHWDQD ULFRSHUWD GD FD ,QWHUHVVDQWL FRPXQLW¢ RUQLWLFKH)DOFR SHUHJULQXV H GL FKLURWWHUL

2ZQHUVKLS RSWLRQDO

7\SH	> @
3XEOLF — 1DWLRQDO)HGHUDO	
6WDWH 3URYLQFH	
/RFDO 0XQLFLSDO	
$Q\ 3XEOLF	
-RLQW RU &R 2ZQHUVKLS	
3ULYDWH	
8QNQRZQ	
VXP	

'RFXPHQWDWLRQ

8/,(/0 5 %$/(675,(5 5 *,$11277, 0   3ULPL GDWL VX FRQVLVWHQ]D GHQVLW H GLVWULEX]L SHUJULQXV ERRNHL QLGLILFDWH D 1DSROL 3LFXV   &$/,(1'20)   )86&2 /   %LUG VWXGL KLOOV 5HVHDUFKHV RQ :LOGOLIH &RQVHUYDWLRQ YRO   ,*) SXEO   &$/,(1'20)   )86&2 /   *5,0 TXDOLW\ LQ WKH SDUN RI 1DSROHV KLOOV ,WDO\ EHIRUH WKH RSHQLQJ RI FKDLDQRV GXSS 1DS   &$/,(1'20)   )86&2 / (0(/(9   LPSDFW PLWLJDWLRQ RI WKH FKDLDQRV GXSS RQ WKH HQY LWDO\   6(5 $YLJQRQ   )UDLVVLQHW 0 H 0DVWURQDUGL 0 $OWDQWH GHJOL XFFH 0RQJU Q $62,0 1DSROL

6,7(3527(&7,21 67$786 RSWLRQDO

'HVLJQDWLRQ W\SHV DW QDWLRQDO DQG UHJLRQDO OHYHO

&RGH	&RYHU > @	&RGH	&RYHU > @	&RGH	&RYHU > @
,7					

5HODWLRQ RI WKH GHVFULEHG VLWH ZLWK RWKHU VLWHV

6LWH GHVLJQDWLRQ RSWLRQDO

6,7(0$1$*(0(17

%RG\ LHV UHVSRQVLEOH IRU WKH VLWH PDQDJHPHQW

2UJDQLVDWLRQ	5HJLRQH &DPSDQLD
$GGUHVV	
(PDLO	

0DQDJHPHQW 3ODQ V

An actual management plan does exist:

☐ <HV   1DPH
    /LQN

☐ 1R EXW LQ SUHSDUDWLRQ
☒ 1R

&RQVHUYDWLRQ PHDVXUHV RSWLRQDO

' * 5 Q

0$3 2) 7+(6,7(6

,163,5(,'	

0DS GHOLYHUHG DV 3') LQ HOHFWURQLF IRUPDW RSWLRQDO

☐ <HV ⬚ 1R

5HIHUHQFH V WR WKH RULJLQDO PDS XVHG IRU WKH GLJLWDOLVDWLRQ RI WKH HOHFWURQLF ERX

,, 6(,, 62   *DXVV %RDJD &57 '(*, +$%,7$7 &25,1(/$1'&29(5 ,,,