OMB Control Number: 0648-xxxx Expiration Date: xx/xx/xxxx

Survey: Knowledge, Attitudes, and Perceptions of Hawaii's South Kohala Coral Reef Priority Site

ГО ВЕ	READ BY SURVEYOR:					
	my name isvotions of coral reefs in				about peoples' knowledge ns?	, attitudes, and
,		,	,	4		
1.	Do you live on the B	g Island? Y	ES or NO	(If yes, go to	#3; if no, go to #2)	
2.	How familiar are you	with the resources, u	ses, and mar	agement of th	nis stretch of the coast?	
	O Not at all	O A little	ОМо	derately	O Very	
	(If moderately or ve	ry familiar, go to #3)				
3.	Are you age 18 or old	ler? YES or	NO (If yes,	oroceed with i	interview)	
about manag petter volunt espor	your perceptions of cogement strategies. The information from resignary. Your identity will asses from other response willing to participate	oral reef and other rese goal is to provide fed dents and users who a remain anonymous a ndents.	ource condit deral and stat are connecte nd your respo	ions here and te managers and d to this place. onses will only	should take about 20 minu your attitude towards diffe nd others working on plans . Your participation in the be used and reported in c	erent s in this area with survey is ombination with
. SI	TE USE PATTERN	5				
1.	What is your primar (e.g., fishing, swimn		r visiting the	South Kohala	Coast today?	
2.	Approximately how	many times have you	u visited the	South Kohala	Coast?	
	O First time	O 2 - 10 times	0 11	- 20 times	O > 20 times	
	a. If this is not your	first time, how long I	nave you bee	n coming to t	he South Kohala Coast?	
	O 1 year	O 2 – 5 years	0 6-	10 years	O > 10 years	

	F	arely or never	Sometimes	Often	
a.	Winter	O	0	0	
b.	Spring	0	0	0	
c.	Summer	0	0	0	
	Fall	0	0	0	
	hat activities do you par	_	-	-	
·• VV		Rarely or never	Sometimes	Often	
a.	Swimming	O	0	0	
b.	Surfing	0	0	0	
c.	Scuba diving	0	0	Ο	
d.	Snorkeling	0	0	0	
e.	Camping	0	0	0	
f.	Boating (motorized)	0	0	0	
g.	Canoeing/kayaking	0	0	0	
h.	Sun bathing/hanging or	ut O	0	0	
i.	Picnicking	0	0	0	
j.	Marine mammal watch	ing O	0	0	
k.	Thrill craft activities	0	0	0	
I.	Aquarium fish collectin	g O	0	0	
m.	Shoreline gathering	0	0	0	
n.	Fishing	0	0	0	
	If so, which methods/g	ear types?			
0.	Other		0	0	
n this outh i nake d	Kohala Coast (the area sh	our beliefs and opir nown on the map).	nions regarding the ge Space is provided belo	neral condition of each resou w each of the following ques ng the coast or time frame fo	stions (d
	observeu.				
	ral reef conditions/heal	th along the South	Kohala Coast		
. Co		_			
. Co	How much do you kno	w about these cond	ditions?	O I know a lot	
. Co	How much do you kno O I don't know anythin	w about these cond	ditions?	O I know a lot here?	
. Co a.	How much do you kno	w about these cond	ditions?		

	c.	In your opinion, the condition of coral reefs along the South Kohala Coast is:
		O Declining O Staying the same O Improving O I don't know/ Not sure
	d.	Additional comments about coral reef conditions/health along the South Kohala Coast:
6.	Fis	h abundance (number or quantity of fish) in the coral reef areas along the South Kohala Coast
	a.	How much do you know about the existing number of fish here?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing number of fish along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Satisfied Not sure
		c. In your opinion, the number of fish along the South Kohala Coast is:
		O Declining O Staying the same O Increasing O I don't know/ Not sure
	d.	Additional comments about fish abundance along the South Kohala Coast:
7.	Fis	h diversity (number of species or types of fish present) in the coral reef areas along the South Kohala Coast
	a.	How much do you know about the diversity of fish here?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing diversity of fish along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Satisfied Not sure
	c.	In your opinion, fish diversity along the South Kohala Coast is:
		O Declining O Staying the same O Increasing O I don't know/ Not sure
	d.	Additional comments about fish diversity along the South Kohala Coast:

	a.	How much do you know about water quality here?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing water quality along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Not sure
	c.	In your opinion, water quality along the South Kohala Coast is:
		O Declining O Staying the same O Improving O I don't know/ Not sure
	d.	Any additional comments about water quality along the South Kohala Coast:
9.	Hal	bitat for monk seal resting/sea turtle nesting along the South Kohala Coast
	a.	How much do you know about these habitats here?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing condition of these habitats along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Satisfied Not sure
	c.	In your opinion, the condition of these habitats along the South Kohala Coast is:
		O Declining O Staying the same O Improving O I don't know/ Not sure
	d.	Additional comments about habitat for monk seal resting/sea turtle nesting along the South Kohala Coast:
10.	Wa	tershed conditions/health in areas upland from the South Kohala Coast
	a.	How much do you know about these watershed conditions here?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing condition of watersheds along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Not sure

8. Water quality along the South Kohala Coast

	c.	In your opinion, the condition of watersheds along the South Kohala Coast is:
		O Declining O Staying the same O Improving O I don't know/ Not sure
	d.	Additional comments about watershed conditions/health along the South Kohala Coast:
11.	Cor	flicts between resource uses or users along the South Kohala Coast
	a.	How much do you know about the presence of conflicts here?
		O I don't know anything O I know a little O I know a lot
	b.	How would you describe the existing level of conflicts along the South Kohala Coast?
		O High O Medium O Low O I don't know/not sure
	c.	In your opinion, the level of conflict along the South Kohala Coast is:
		O Declining O Staying the same O Increasing O I don't know/ (fewer and/or (more and/or Not sure less serious more serious conflicts)
	d.	Additional comments about conflicts along the South Kohala Coast:
12.	Fac	ilities along the South Kohala Coast
	a.	How much do you know about public use facilities along the South Kohala Coast?
		O I don't know anything O I know a little O I know a lot
	b.	How satisfied are you with the existing facilities along the South Kohala Coast?
		O Not O Somewhat O Neutral O Somewhat O Very O I don't know/ Satisfied Dissatisfied Satisfied Satisfied Not sure
	c.	In your opinion, the number/type/condition of the facilities along the South Kohala Coast is:
		O Declining O Staying the same O Improving O I don't know/ Not sure
	d.	What changes would you like to see in the number, type, or condition of public use facilities along the South Kohala Coast?

13.		here do you get yo me of newspaper						_	ohala Coast? (Please be specific: e.g.,
	а.	Which of these	do yo	u rely on	most? _				
II. PC	OTE	NTIAL THREA	TS T	O RESO	URCES	IN THE	sou	TH KOHALA	COAST
14.	Sh	oreline alteration	and	developm	nent				
	a.	What is the leve	l of s	horeline a	alteratio	n and dev	elopm	nent?	
		O None/very lit	tle	0	Modera	ate	0	Extensive C	O I don't know/ Not sure
	b.	To what extent	do yo	u feel it is	s a threa	t to the co	oral re	efs in the area	?
		O Not at all a threat	(O Minor threat	0	Major threat	0	I don't know/ Not sure	
	c.	If you believe th especially a prob					ific loc	cations or type	s of development that you feel are
15.	Fis	h feeding							
	a.	To what extent i	is it o	ccurring?					
		O Not at all	() A little	0	A lot	0	I don't know/ Not sure	
	b.	To what extent	do yo	u feel it is	s a threa	t to the co	oral re	efs in the area	?
		O Not at all a threat	(O Minor threat	0	Major threat	0	I don't know/ Not sure	
	c.	If you believe th so, please specif		threat, a	re there	any speci	ific loc	cations where y	you feel this is especially a problem? I
16.	Int	roduction or exist	tence	of invasi	ve specie	es (such a	s fish o	or algae)	
	a.	To what extent	are th	ney prese	nt/being	introduce	ed?		
		O Not at all	() A little	0	A lot	0	I don't know/	

	b.	To what extent d	lo you feel it is a	threat to the co	oral reefs in the area?	
		O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	
	c.	If you believe thi problem? If so, p	' - '	there any speci	fic locations or species that you fee	l are especially a
17.	Sto	rms (high winds a	and waves)			
	a.	To what extent d	lo you feel they a	are a threat to th	he coral reefs in the area?	
		O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	
	b.	If you believe thi so, please specify		there any speci	fic locations where you feel this is e	especially a problem? If
18.		_		ditions (Increasii	ng temperatures, seal level, and aci	dity)
	a.	To what extent is	s it occurring?			
		O Not at all	O A little	O A lot	O I don't know/ Not sure	
	b.	To what extent d	lo you feel it is a	threat to the co	oral reefs in the area?	
		O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	
	c.	If you believe thi so, please specify		there any speci	fic locations where you feel this is e	especially a problem? If
19.	Ero	sion/sedimentation	on from uplands			
	a.	To what extent is	s it occurring?			
		O Not at all	O A little	O A lot	O I don't know/ Not sure	
	b.	To what extent d	lo you feel it is a	threat to the co	ral reefs in the area?	
		O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	

	problem? If so, p	lease specify:			
20. Ch	emical pollution fr	om uplands (e.g	., from batteries	s, paints, pesticides, herbicides)	
a.	To what extent is	it occurring?			
	O Not at all	O A little	O A lot	O I don't know/ Not sure	
b.	To what extent d	o you feel it is a	threat to the co	oral reefs in the area?	
	O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	
c.	If you believe this especially a prob			fic locations or sources of pollution that y	ou feel a
21. Or	ganic pollution fro	m uplands (e.g.,	animal and hum	man waste)	
a.	To what extent is	it occurring?			
	O Not at all	O A little	O A lot	O I don't know/ Not sure	
b.	To what extent d	o you feel it is a	threat to the co	oral reefs in the area?	
	O Not at all a threat	O Minor threat	O Major threat	O I don't know/ Not sure	
c.	If you believe this especially a prob			fic locations or sources of pollution that y	ou feel a
22. Un	sustainable or ina	ppropriate fishin	g practices		
a.	To what extent is	it occurring?			
	O Not at all	O A little	O A lot	O I don't know/ Not sure	
b.	To what extent d	o you feel it is a	threat to the co	oral reefs in the area?	
	O Not at all	O Minor	O Major	O I don't know/	

c. If you believe this is a threat, are there any specific locations or sources that you feel are especially a

ope	eration by indivi	duals ar	nd/or com	mercia	al operato	rs)		
a.	To what exten	is it occ	curring?					
	O Not at all	0	A little	0	A lot	0	I don't know/ Not sure	
b.	To what exten	do you	feel it is a	threa	t to the co	oral re	eefs in the area?	
	O Not at all a threat	0	Minor threat	0	Major threat	0	I don't know/ Not sure	
c.			:hreat, are	there		ific lo	cations or practices that you feel are o	especia
Hav	If you believe to problem? If so	please	hreat, are		any spec			·
Hav Coa	If you believe to problem? If so, we you ever obsert?	please	chreat, are specify: n individua YES	I viola NO	any spec	ning, k	cations or practices that you feel are o	uth Koh
Hav Coa	If you believe to problem? If so, we you ever obsert?	erved ar	chreat, are specify: n individua YES raction? (e	l viola NO	any spec	n ing, l egal fi	cations or practices that you feel are o	uth Koh
Hav Coa a.	If you believe to problem? If so, we you ever obsert? If yes, what wa	erved ar	chreat, are specify: n individua YES raction? (e	l viola NO .g., du	any spec	ning, k egal fi	cations or practices that you feel are of the control of the South ishing)	uth Koh

III. MANAGEMENT STRATEGIES

Listed below are a number of types of activities that could be undertaken or strengthened to improve resources along the South Kohala Coast and the associated watershed. For each activity, indicate how much you would support or oppose its implementation. Consider both the positive and negative impacts (for example, additional spending or restricting use).

26.	pra			-		_		-	-			g and protecting fishing ubsistence, culture, and
		Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
27.	Cr	eate new ma	rine	protected ar	eas	(no fishing	allo	owed)				
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
28.	Ch	ange manage	eme	ent of existing	ma	arine protec	cted	areas				
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
	a.	What would	l yo	u like to see c	har	nged?						
29.	Est	tablish and tr	ain	community e	du	cation grou	ps,	such as Maka	ai W	/atch		
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
30.	Inc	rease enforc	em	ent officer pr	ese	nce						
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
31.	Inc	crease signs d	lesc	ribing regula	tion	ıs						
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
32.	Inc	crease fencing	g ar	nd remove fer	al p	oigs, goats,	and	sheep in up	land	d areas		
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
33.	lm	prove injection	on v	well and wast	ew	ater treatm	ent	facilities				
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
34.					ո (e	ducate use	rs a	nd area resid	lent	ts regarding re	egu	lations, and encourage
	со	mmunity invo	olve	ement)								
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure

	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
36.	Fn	gage local bus	sine	esses and hot	els	in managen	nen	t processes a	and	develop educ	atio	on materials for
.		ests/tourists		osses and not		iii iiiaiiageii		it processes t		develop educ	uci	
	3	,										
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
27	Do	move invasiv	a m	arina snasias	. /	ich ac fich a	nd	algae)				
3/.	ĸe	illove ilivasiv	e III	iarine species	(50	ICII as IISII a	IIU	aigae)				
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
28	Do	move non-na	tive	vegetation i	n c	actal areas						
30.	ĸe	illove iloli-ila	LIVE	e vegetation i	11 (Jastai ai Cas						
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
20	DI-	nt vegetation	. in	harron aroas	+0	roduco runc	\ff					
37.	ГІС	iiit vegetatioi		Daileil aleas	ιυ	reduce runc	ווע					
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
40		4 - 11			. 41	4 4 9	.					(
40.	ins	tali sediment	tra	ips (and use o	otne	er strategies	5) to	reauce seai	me	nt and nutriei	nt r	unoff from the land
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
/1	Ect	ablich a recre	ati	onal fiching li	con	se program	\ ^ /i	th revenue d	adi	cated to fishe	rio	s management
71.	LJ	abiisii a recie	ati	Onai namig n	CCI	isc program		tii ievellue u	Cui	cated to fishe	i ic.	management
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support		I don't know/ Not sure
12	Ch	ange fishing r		ulations								
42.	CII	ange nsmig i	egi	ilations								
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
	a.	What would	yo	u like to see c	har	nged?						
43.	Ch	ange regulati	ons	for other (no	n-f	ishing) recre	eati	ional activitie	es			
		- -		•		<u>.</u>						
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	0	Strongly support	0	I don't know/ Not sure
	a.	What would	۷O	u like to see c	har	nged?						

35. Develop an online system for public to report illegal activities

44	. O	ther:										
	0	Strongly oppose	0	Oppose	0	Neutral	0	Support	,	O Strongly support	0	I don't know/ Not sure
45	. O 1	these man	agen	nent strategi	es, ۱	which wou	ıld be	your top	3 pr	iorities? Plea	ise wr	ite the numbers here.
/. M	AR	INE MAN	AG	ED AREAS								
46			_	_		_	_			(such as Fish outh Kohala	-	nishment Areas, Fisheries area?
	0	Not at all		O A lit	tle	C) Ve	ry	0	Extremely		
47		dicate your the South K		_	nt o	r disagree	ment	with the	follo	wing statem	ents a	bout marine managed are
	a.	Marine ma	nage	ed areas in g	enei	al are an	effect	rive tool fo	r co	nserving cora	al reef	fish and habitat.
		O Strongly disagre		O Disagree	0	Neutral	0	Agree	0	Strongly agree		don't know/ Not sure
	b.	I would sup	por	t marine ma	nage	ed areas e	ven if	they rest	ricte	d my ability t	o use	this area.
		O Strongly disagre		O Disagree	0	Neutral	0	Agree	0	Strongly agree		don't know/ Not sure
	c.			egies other t abitat in the					hat v	would be mo	re effe	ective for conserving coral
		O Strongly disagre		O Disagree	0	Neutral	0	Agree	0	Strongly agree		don't know/ Not sure
	d.	If you feel	ther	e are other s	trate	egies that	woul	d be more	effe	ective for ma	nagen	nent in this area, please
		specify:						 				
. BE	N	FITS/SER	VIC	ES								
48		ow would yo outh Kohala			of in	nportance	of th	e followin	g pc	tential benef	its to	you from the coral reefs i
	a.	Food resou	ırces	;								
		O Not at	all	O Somew	hat	O Neut	ral	O Somew	hat	O Extremel	v O	I don't know/

		Important		unimportant		important	tant imp			Not sure	
b.	Inc	Income/economic benefit									
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	imı	portant		Not sure
c.	c. Sense of community										
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	imį	oortant		Not sure
d.	Cul	tural benefits	5								
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	imı	portant		Not sure
e.	Red	reational be	nefi	its							
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	imı	portant		Not sure
f.	f. Aesthetic value										
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant		important	imı	portant		Not sure	
g.	g. Benefits from knowing it exists (existence value)										
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	imı	portant		Not sure
h. Shoreline protection											
	0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Ext	remely	0	I don't know/
		Important		unimportant			important	im	oortant		Not sure

	i.	Hal	bitat for fish	and	l other specie	es					
		0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Extremely	0	I don't know/
			Important		unimportan	t		important	important		Not sure
	j.	Per	rsonal physic	al a	nd spiritual h	neal	th				
		0	Not at all	0	Somewhat	0	Neutral	O Somewhat	O Extremely	0	I don't know/
			Important		unimportan	t		important	important		Not sure
VI. KNOWLEDGE OF PLANNING ACTIVITIES											
49. Before this survey, were you aware of any conservation planning efforts for the South Kohala Coast being developed by local residents and a number of other agencies?											
			YES or N	Ю							
50	. Ar	e yc	ou a participa	ant i	in any of the	se p	rocesses?	YES or	NO		
VII.	D	EM	OGRAPHI	C II	NFORMAT	101	N				
51	51. Where do you live?							Zip co	ode:		
52. Are you a member of any local or regional organizations, community groups, or clubs that are involved wit marine or watershed resources in the South Kohala Coast? YES or NO											
	a.	If s	o, which one	e(s)?	?						
53	. W	hat	is your age g	grou	p?						
	0	Les	s than 25 yea	ars	0	45 t	to 54 year	s			
	0	25	to 34 years		0	55 t	to 64 year	S			
	0	35	to 44 years		0	Мо	re than 64	l years			
54	. w	hat	is your gend	er?							
	0	Ма	lle		O Female						

0	No, not of Hispanic, Latino, or Spanish origin									
0	O Yes, Mexican, Mexican American, Chicano									
0	Yes, Puerto Rican									
0	Yes, Cuban									
0	Yes, another Hispanic, Latino, or Spanish Ori	gin								
56. Ho	ow would you describe your race background	d? (check all that apply)							
0	Guamanian or Chamorro	0	Filipino							
0	Native Hawaiian	0	Samoan							
0	Other Asian or Pacific Islander (specify)									
0	White	0	Black/African American							
0	Chinese	0	Japanese							
0	Korean	0	Vietnamese							
0	Asian Indian	0	American Indian or Alaska Native							
0	Other (specify)									
			l like to share with us regarding the management of the ala Coast.							
59. W	ould you like to receive a copy of the final re ould you like to be kept informed of opportu hala Coast? YES or NO	-	t of this study? YES OR NO ies to participate in management activities in the South							
If you ar	nswered YES to either of these ques	tio	ns, please write an email or mailing address or							

If v the sheet provided by the surveyor, who will keep them separate from your survey responses.

THANK YOU! ☺

Public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Risa Oram, NOAA Pacific Islands Fisheries Science Center, 1601 Kapiolani Blvd. Suite 1000, Honolulu, HI 96814.

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