

**INSURED SITE: LAS POZAS
XCALAK REEF NATIONAL PARK
MEXICO**



Reef data within the insured polygon

Insured polygon's area	ha	7,048.65
Coral cover area	ha	1,784.56
Live coral cover area	ha	315.87
Live coral cover area - average value	%	17.70
Live coral cover area - maximum value	%	23.80
Live coral cover area - minimum value	%	11.30
Location related to wind direction		Windward

Damage estimate of live coral cover

Wind speed	Initial live coral cover	Estimated loss of live coral cover	Damaged area with live coral cover
	%	%	ha
<34 knots	17.70	2.12	37.90
34 a 50 knots		0.00	0.00
50 a 64 knots		0.00	0.00
>64 knots		7.08	126.35

Cost estimate to based on area with damaged live coral cover

	Intervened area	Required time	Cost for intervention level 100%	Cost for intervention level 50%	Cost for intervention level 25%
	ha	Days	USD	USD	USD
Rapid damage assessment	1,784.56	8	10,308	10,308	10,308
Primary response	63.17	192	606,933	303,466	151,733
Secondary response	63.17	182	557,369	284,913	148,685
Immediate repair	1,910.90	382	1,174,609	598,687	310,725
Mid-term repair	N/A	N/A	506,846	265,160	144,317

Cost estimate with response time limit (up to 60 days after the event) and 3 brigades

	Intervened area	Required time	Cost for intervention level 100%	Cost for intervention level 50%	Cost for intervention level 25%
	ha (nurseries)	Days	USD	USD	USD
Rapid damage assessment	1,784.56	5	6,249	6,249	6,249
Primary response	10.00	30	94,833	47,417	23,708
Secondary response (number of nurseries)	90.00	39	120,696	66,576	39,516
Immediate repair	1,884.56	74	221,778	120,242	69,474
Mid-term repair	N/A	N/A	506,846	265,160	144,317

Note: Estimated response capacity in 3 brigades formed by 18 divers and 12 snorkellers working on 3 boats.