

		Sediment:WC concentration factor				Sediment:WC concentration factor			
		Snappers				Large pelagic fish			
		1000	800	600	400	1000	800	600	400
Oil effect threshold (ppb)	907	69%	71%	74%	76%	47%	51%	55%	61%
	726	66%	69%	71%	74%	43%	47%	52%	58%
	544	63%	66%	68%	72%	39%	42%	47%	53%
	363	58%	61%	64%	66%	33%	36%	40%	46%
		Groupers				Small pelagic fish			
		1000	800	600	400	1000	800	600	400
Oil effect threshold (ppb)	907	66%	68%	71%	74%	64%	66%	69%	71%
	726	62%	66%	68%	72%	62%	64%	66%	69%
	544	59%	62%	65%	69%	59%	61%	64%	67%
	363	53%	56%	60%	64%	52%	55%	59%	63%
		Drums and croakers				Small demersal and reef fish			
		1000	800	600	400	1000	800	600	400
Oil effect threshold (ppb)	907	63%	65%	68%	72%	37%	40%	44%	49%
	726	60%	63%	66%	70%	34%	37%	41%	46%
	544	56%	59%	63%	67%	29%	33%	37%	42%
	363	51%	54%	57%	62%	24%	27%	31%	36%
		Elasmobranchs				Large demersal fish			
		1000	800	600	400	1000	800	600	400
Oil effect threshold (ppb)	907	69%	71%	74%	78%	48%	51%	55%	61%
	726	66%	69%	72%	76%	44%	48%	52%	58%
	544	62%	65%	68%	73%	39%	43%	47%	53%
	363	56%	60%	63%	68%	32%	36%	41%	47%

S2 Table. Sensitivity analysis showing the smallest observed biomass for various guilds relative to no-oil scenario. Biomass minima occur 7-16 months (median 10 months) after the oil spill. Parameters varied are sediment:water column concentration factor (K) and threshold for oil impacts (b). Red and blue cells represent greatest and least potential impact, respectively.