

Consolidated Data for Oriental Mindoro Oil and Grease and PAH Samples

Sampling Plan and Current Progress

Table 1. Clustering of Municipalities of Oriental Mindoro and Designated Sampling Site to Represent the Cluster. Note: Clustered sampling started on 3 April 2023		
Cluster	Municipality	Sampling Site
1	Calapan	Brgy. Navotas, Calapan City
	Naujan	
2	Pola	Brgy. Misong, Pola
3	Pinamalayan	Brgy. Ranzo, Pinamalayan
	Gloria	
	Bansud	
4	Bongabong	Brgy. Labasan, Bongabong
	Roxas	
	Mansalay	
	Bulalacao	
5	Puerto Galera	Brgy. Tacligan, San Teodoro
	Baco	
	San Teodoro	



Figure 1. Map of sampling sites for each cluster

Table 2: Current progress of analyses and release of results. Code: Dark Green – Results released by external laboratory and reported in approved technical report; Light Green – Results released by external laboratory but not yet reported in approved technical report or data incomplete; **Orange** – Samples submitted to external laboratory but results not yet released; Black – Unfavorable conditions/Sample unavailability made it impossible to collect samples in sampling site; White – Samples yet to be submitted to the lab as of 2 May 2023, 10 AM.

Cluster	Baseline Data 4 Mar – 11 Mar	Week 1 3 Apr	Week 2 10 Apr	Week 3 17 Apr	Week 4 24 Apr	Week 5 2 May
Oil and Grease						
1	Dark Green	Dark Green	Dark Green	Light Green	Orange	White
2	Dark Green	Dark Green	Black	Light Green	Orange	White
3	Dark Green	Dark Green	Dark Green	Light Green	Orange	White
4	Dark Green	Dark Green	Dark Green	Light Green	Orange	White
5	Dark Green	Black	Dark Green	Light Green	Orange	White
PAH						
1	Dark Green	Dark Green	Orange	Orange	Orange	White
2	Dark Green	Dark Green	Orange	Orange	Orange	White
3	Light Green	Dark Green	Orange	Orange	Orange	White
4	Light Green	Dark Green	Orange	Orange	Orange	White
5	Black	Dark Green	Orange	Orange	Orange	White

Table 3. Oil and grease data for the first four samplings conducted

CLUSTER	LOCATION	Baseline Data (mg/L) (3/4/23)	Baseline Data (mg/L) (3/11/23)	1 st Sampling (mg/L) (4/3/23)	2 nd Sampling (mg/L) (4/10/23)	3 rd Sampling (mg/L) (4/17/23)
Oriental Mindoro						
1	Navotas, Calapan	-	<0.5	0.31	1.5	0.13
	Melgar B, Naujan	-	<0.5			
	Montemayor, Naujan	-	<0.5			
	Herrera, Naujan	-	<0.5			
	Masaguing, Naujan	-	<0.5			
2	Panikihan, Pola	-	<0.5	0.09	-	1.5
	Misong, Pola	<0.5	-			
3	Ranzo, Pinamalayan	-	-	0.18	1.6	5.2
	Wawa, Pinamalayan	-	<0.5			
	Sta. Teresa, Gloria	-	<0.5			
	Salcedo, Bansud	-	<0.5			
4	Labasan, Bongabong,	-	-	0.10	1.4	1.1
	Anilao, Bongabong	-	<0.5			
	Maasin, Bulalacao,	-	<0.5			
	Poblacion, Bulalacao,	-	<0.5			
	Paclasan, Roxas	-	<0.5			
	Mansalay	-	<0.5	6.0*		
5	Tacligan, San Teodoro	-	-	Sampling not conducted due to strong waves	1.4	0.59
	Puerto Galera					
	Baco					

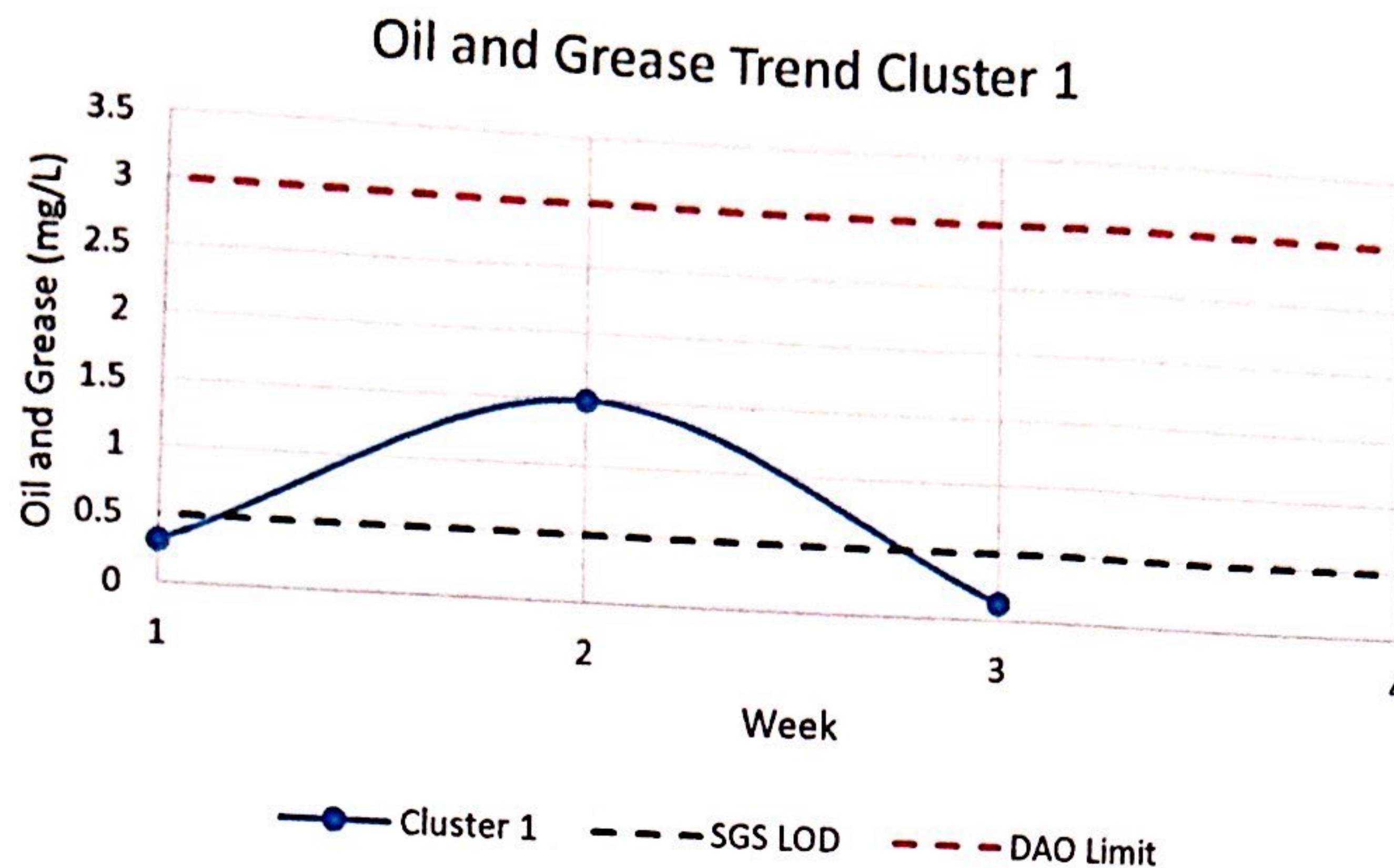


Figure 2: Oil and grease trend for Cluster 1 (Naujan and Calapan). All samples submitted on 3-11 March were <0.5 mg/L (limit of detection of SGS) and is unrepresented in this graph. Week 1 starts at 3 April and routine sampling is conducted weekly.

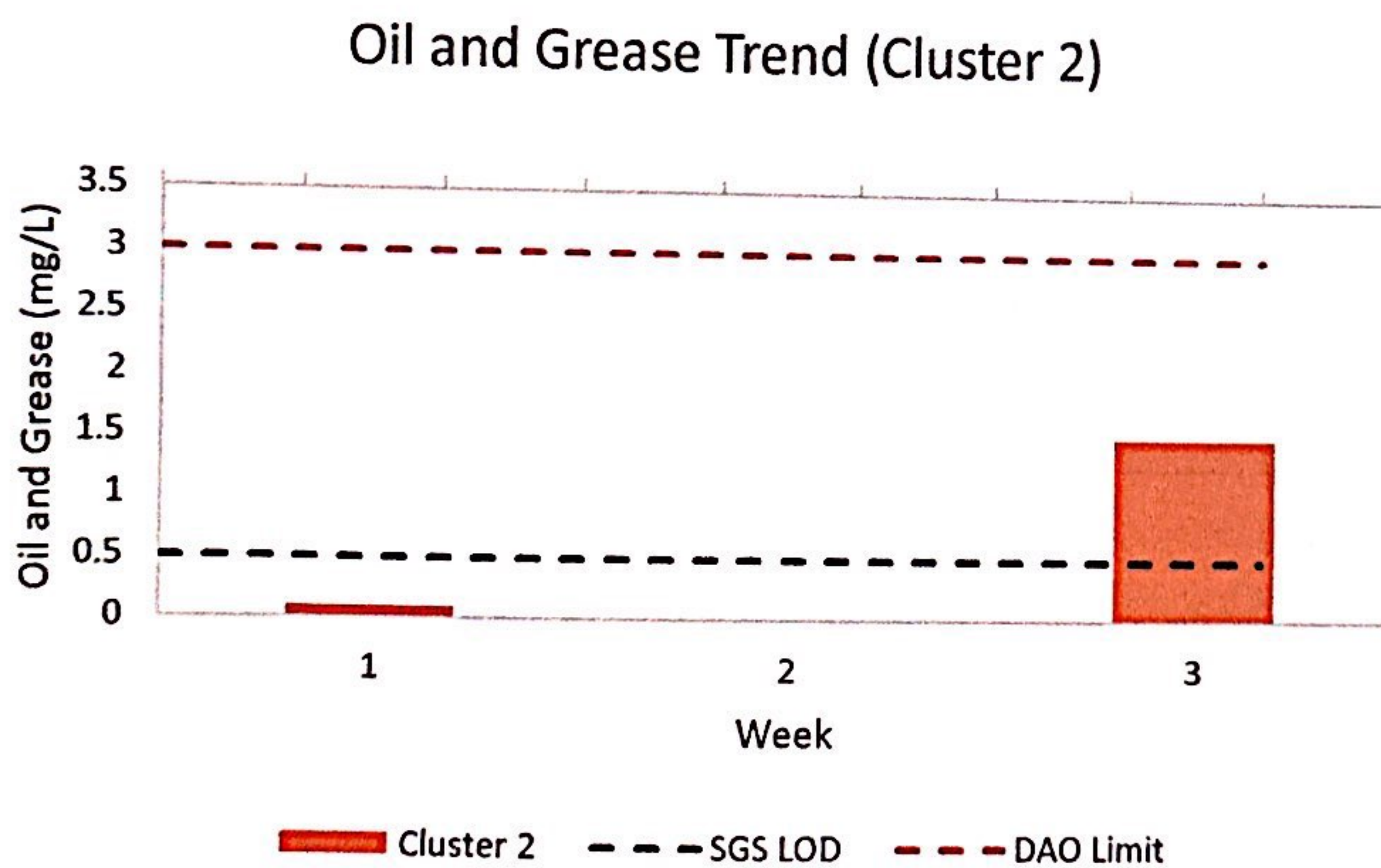


Figure 3: Oil and grease trend for Cluster 2 (Pola). All samples submitted on 3-11 March were <0.5 mg/L (limit of detection of SGS) and is unrepresented in this graph. Week 1 starts at 3 April and routine sampling is conducted weekly. Samples were not collected in Week 2 due to dangerous sea conditions.

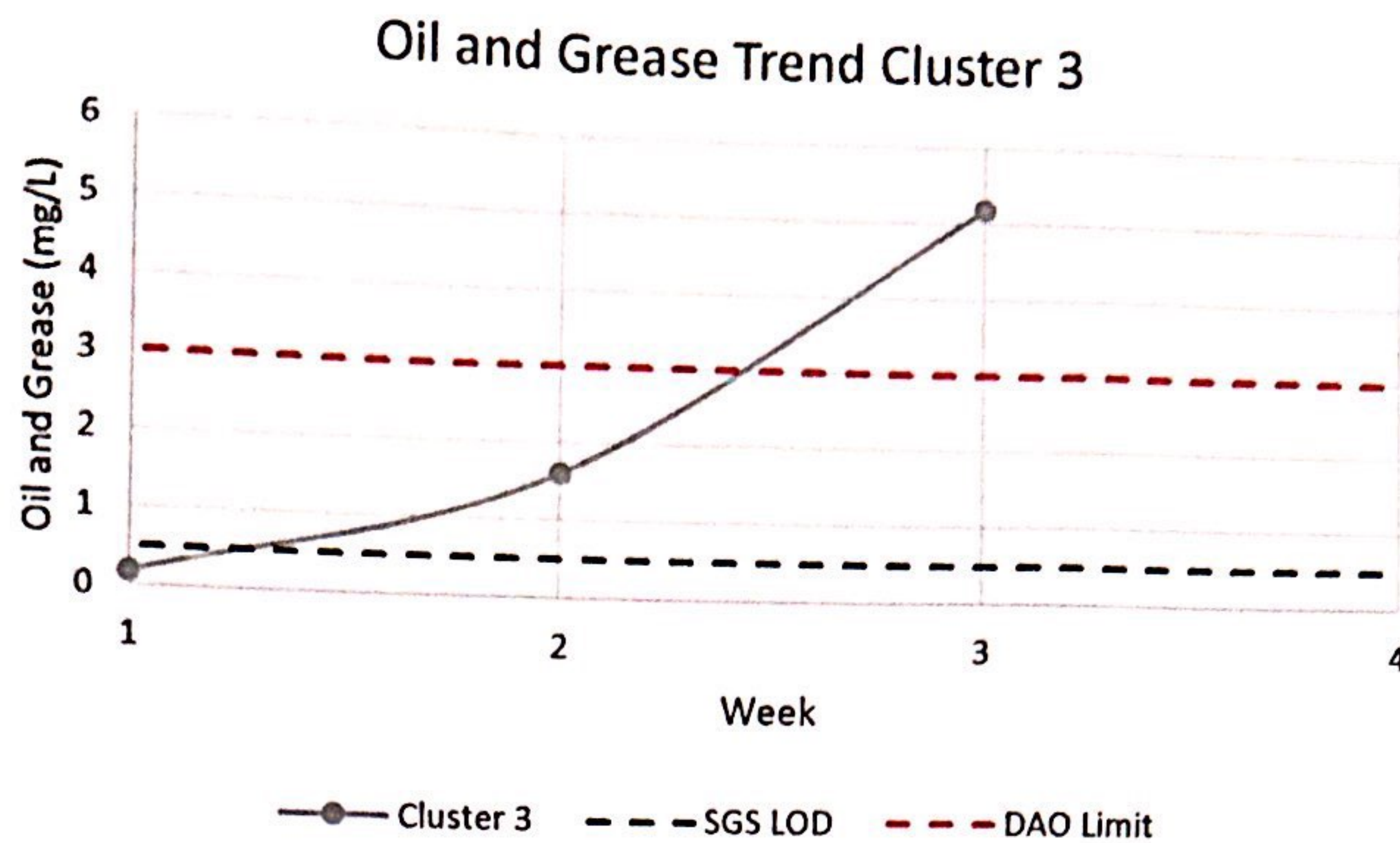


Figure 4: Oil and grease trend for Cluster 3 (Pinamalayan, Gloria, Bansud). All samples submitted on 3-11 March were <0.5 mg/L (limit of detection of SGS) and is unrepresented in this graph. Week 1 starts at 3 April and routine sampling is conducted weekly.

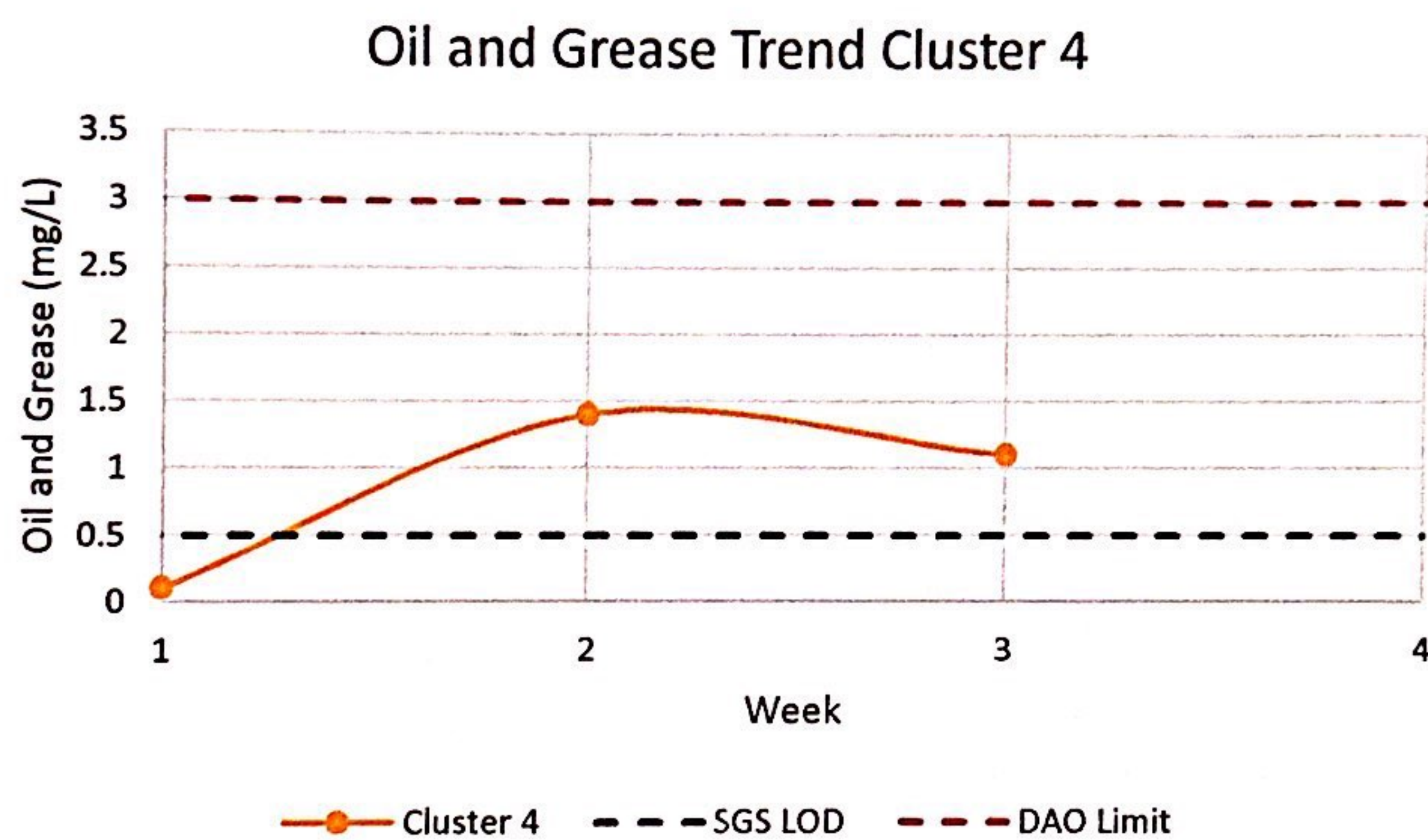


Figure 5: Oil and grease trend for Cluster 4 (Bongabong, Roxas, Mansalay, Bulalacao). All samples submitted on 3-11 March were <0.5 mg/L (limit of detection of SGS) and is unrepresented in this graph. Week 1 starts at 3 April and routine sampling is conducted weekly.

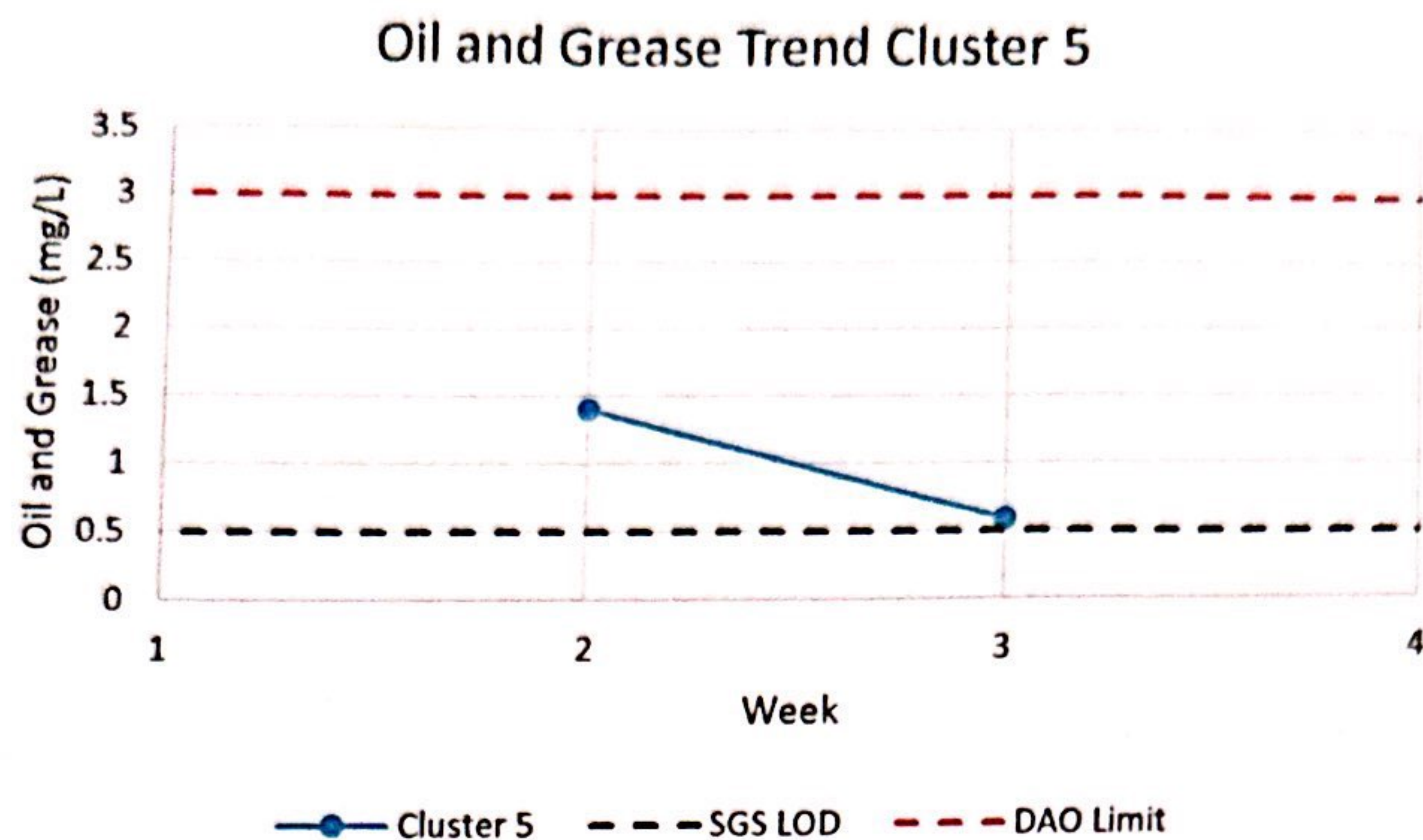


Figure 6: Oil and grease trend for Cluster 5 (Puerto Galera, Baco, San Teodoro). All samples submitted on 3-11 March were <0.5 mg/L (limit of detection of SGS) and is unrepresented in this graph. Week 1 starts at 3 April and routine sampling is conducted weekly. Samples were not collected in Week 1 due to dangerous sea conditions.

Table 4: PAH in seafood (in µg/kg) overall data, separated by demersal (includes crabs and shellfish) and pelagic aquatic species.

Cluster	Municipalities Included	Sampling Site	Baseline	Week 1	Remarks
Demersal/Shellfish/Crabs			4 March - 11 March	3 April	
1	Calapan, Naujan	Brgy. Navotas, Calapan	0.564 (bisugo)	0.012 (assorted)	Below LOC, Week 1 result lower than baseline
2	Pola	Brgy. Misong, Pola	34.28 (oyster), 0.030 (crabs), 5.28 (suso), 0.025 (butete), 0.113 (shrimp)	0.046 (Kukong Lawin)	Below LOC, Week 1 result lower than baseline
3	Pinamalayan, Gloria, Bansud, Bongabong, Roxas, Mansalay, Bulalacao	Brgy. Ranzo, Pinamalayan	To be released	0.047 (assorted shellfish)	Below LOC
4	Roxas, Mansalay, Bulalacao	Brgy. Labasan, Bongabong	To be released	18.163 (alimasag), 0.064 (assorted fish)	Below LOC
5	Puerto Galera, Baco, San Teodoro	Brgy. Tacligan, San Teodoro	-	-	-
Pelagic					
1	Calapan, Naujan	Brgy. Navotas, Calapan	3.16 (alumahan), 4.03 (sardines), 0.003 (Espada/Laying)	0.053 (Sapsap)	Below LOC, Week 1 result lower than baseline
2	Pola	Brgy. Misong, Pola	0.023 (sapsap), no detection (tandain)	0.069 (tulingan/talakitok)	Below LOC, Stable
3	Pinamalayan, Gloria, Bansud	Brgy. Ranzo, Pinamalayan	3.084 (Tamban)	0.078 (assorted fish)	Below LOC, Week 1 result lower than baseline
4	Bongabong, Roxas,	Brgy. Labasan, Bongabong	0.306 (galunggong), 1.006 (tulingan), 3.3	0.051 (assorted fish)	Below LOC, Week 1 result lower than baseline

	Mansalay, Bulacao		(pusit), 0.826 (kares- kares), 0.603 (Tulingan)		
5	Puerto Galera, Baco, San Teodoro	Brgy. Tacligan, San Teodoro	-	9.056 (assorted fish)	Below LOC but Week 1 result is almost 75% of LOC (12.9 µg/kg)

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