



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

SEP 29 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 L&S Bldg, Roxas, Blvd.,
Ermita, Manila

THRU : The ARD for Technical Services

FROM : The OIC, PENR Officer

SUBJECT : **MONITORING ACTIVITY CONDUCTED WITHIN THE COASTAL AND MARINE ECOSYSTEM MANAGEMENT PROGRAM (CMEMP)-ESTABLISHED MANGROVE PLANTATIONS AT LUBANG AND LOOC, OCCIDENTAL MINDORO**



Forwarded is the memorandum dated August 22, 2022 of CENRO Sablayan regarding Monitoring Activity conducted within the Coastal and Marine Ecosystem Management Program (CMEMP) Established Mangrove Plantations at Lubang and Looc, Occidental Mindoro. Based on the report the LGU concerned are willing to establish/re-establish mangrove plantation within their area of jurisdiction. Likewise, the monitoring activity is dependent on the period of low tide in the areas visited, thus only portions of the established plantations were monitored.

Moreover, it was recommended that initiative relating to Mangrove rehabilitation effort be implemented at the municipalities of Looc and Lubang, Occidental Mindoro and mangrove site selection be conducted in support of the coastal greenbelt rehabilitation. Likewise, a seagrass assessment can also be conducted to acquire data on the extent and abundance of seagrass. Results of assessment will be used for future planning and decision making.

Attached with the report are the geo-tagged photos, GIS generated maps and tally sheet during the conduct of monitoring activity.

For information, evaluation and consideration


ERNESTO E. TAÑADA



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

August 22, 2022

MEMORANDUM

FOR : The OIC, PENR Officer
Mamburao, Occidental Mindoro

THRU : The Chief, Technical Services Division
Mamburao, Occidental Mindoro

FROM : CENR Officer

SUBJECT : MONITORING ACTIVITY CONDUCTED WITHIN THE
COASTAL AND MARINE ECOSYSTEM MANAGEMENT
PROGRAM (CMEMP)-ESTABLISHED MANGROVE
PLANTATIONS AT LUBANG AND LOOC, OCCIDENTAL
MINDORO

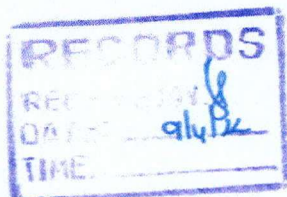
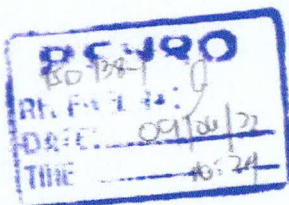
Respectfully forwarded is the Monitoring report conducted at Coastal and Marine Ecosystem Management Program (CMEMP)- Established plantations at Lubang and Looc, Occidental Mindoro.

Be informed that during the monitoring both Local Government Units (LGUs) are willing to establish/ re-establish mangrove plantation. Also, the monitoring activity is dependent of the period of low tide in the areas visited, thus only portions of the established plantations were monitored.

In conclusion, it is highly recommended that initiatives relating to Mangrove rehabilitation effort be observed/ implemented at the municipalities of Looc and Lubang, Occidental Mindoro and mangrove site selection be conducted in support of the coastal greenbelt rehabilitation and that a seagrass assessment also be conducted to acquire data on the extent and abundance of seagrass.

Attached is the monitoring report and other pertinent documents.

For information, evaluation, and consideration.



FOR. ANASTACIO A. SANTOS, MPA



National Road, Brgy. Sto. Niño, Sablayan, Occidental Mindoro
E-mail: cenrosablayan@denr.gov.ph



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

May 5, 2022

MEMORANDUM

FOR : The CENR Officer

THRU : The Deputy CENR Officer

FROM : The Forester II/ Chief, Conservation and Development Section
The Forester I/ Planning Officer
The Park Maintenance Foreman
The Forest Technician I

SUBJECT : **MONITORING ACTIVITY CONDUCTED AT COASTAL AND MARINE ECOSYSTEM MANAGEMENT PROGRAM (CMEMP)-ESTABLISHED MANGROVE PLANTATIONS AT LUBANG AND LOOC, OCCIDENTAL MINDORO**

Please be informed that some DENR CENRO Sablayan personnel from the Conservation and Development Section (CDS) and Technical Services Division (TSD) from DENR PENRO Occidental Mindoro conducted a monitoring activity at the established mangrove plantation sites at Lubang and Looc, Occidental Mindoro. During the conduct of said activity, the following data were gathered; number of seedlings planted, average diameter of the planted propagules and other observations during the site visit.

The table below shows the data gathered from each CMEMP-established Mangrove Plantation at Looc and Lubang, Occidental Mindoro;

Municipality	Barangay	Area monitored (has.)	No. seedlings counted		% Survival	Remarks/ Observations
			Alive	Dead		
Lubang	Tilik	1.65	1185	521	7.18	Area monitored given the period/time of the low tide. No funding for Maintenance and Protection activities was allotted after the establishment of this plantation. It was observed



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						that some of the seedlings were newly planted. Community participation/ involvement was observed as some of the residents in the area are conducting replanting activity.
Lubang	Tumibo	0.69	92	-	1.33	Low survival was observed due to seasonal strong waves in the area, most of the initially planted seedlings were washed out. No funding for Maintenance and Protection activities was allotted after the establishment of this plantation.
Looc	Kanluran	1.12	806	376	7.20	Area monitored given the period/time of the low tide. No funding for Maintenance and Protection activities was allotted after the establishment of this plantation.

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Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

						It was observed that some of the seedlings were newly planted. Community participation/ involvement was observed as some of the residents in the area are conducting replanting activity.
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Among the notable observations during the activity were regarding the plantations located in Brgy. Tilik and Tumibo, Lubang, and Brgy. Kanluran, Looc, Occidental Mindoro. In these sites majority of the plantation area were situated on seagrass beds which also plays important ecological role.

As for the Municipality of Lubang, particularly in Brgy. Tumibo, low survival of the seedlings was observed. This may be attributed to the location of the planting site because according to some locals, the condition in the area is harsh for newly planted seedlings especially during rainy season due to strong waves.

Despite the observed shortcomings, the Local Government Unit (LGU) of Lubang and Looc is still willing to establish/ re-establish mangrove plantation in their area because they are aware of the benefits of having a functional coastal greenbelt.

It is important to note that the duration of monitoring activity was dependent on the period of low tide in the areas visited. Thus, small portions of the areas visited of the established plantations have been monitored.

In conclusion, it is highly recommended that initiatives relating to mangrove rehabilitation effort be observed at the municipalities of Looc and Lubang, Occidental Mindoro. It shall be ensured that a science-based approach is taken particularly in species and site selection. Also, a more participatory approach with the LGU and coastal community must be strengthened as they will take major role in project implementation. Furthermore, it is also recommended that a seagrass assessment be conducted in both municipalities to acquire a baseline on the extent and abundance of seagrasses. This may be used for future planning/ decision making.



Attached are the geo-tagged photos, GIS generated maps and tally sheet during the conduct of monitoring activity.

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Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

For your information and record.


ALVIN E. SANICO

MARLON C. CORTÉZ

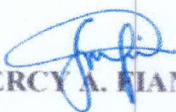
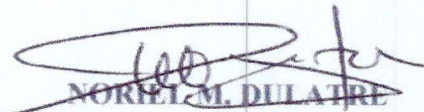

MERCY A. FIANZA

NORIEL M. DILATRE

PHOTO DOCUMENTATION



Geo-tagged photos taken during monitoring activity on the established Mangrove Plantation under CMEMP at Brgy. Tilik, Lubang, Occidental Mindoro

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PHOTO DOCUMENTATION



Geo-tagged photos showing some of the planted mangroves at Brgy. Tilik, Lubang, Occidental Mindoro

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PHOTO DOCUMENTATION



Geo-tagged photos showing some of the planted mangroves at Brgy. Tilik, Lubang, Occidental Mindoro

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VALIDATION TALLY SHEET

Location: MLK

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				D
2		80	0.9	D
3		82		
4				D
5				D
6		82	0.5	D
7				D
8		80	0.5	D
9				D
10		96	0.8	
11		91	1	
12		85	0.5	
13		92	1	
14		63	0.3	
15		91	1	
16		66	0.5	
17		92	1	
18		92	1	
19		100	1	
20		98	1	
21		87	0.5	
22		76	0.5	
23		88	0.7	
24		88	0.6	
25		88	0.5	
26		76	0.5	
27		89	0.7	
28		73	1	
29		83	0.8	
30		100	0.5	D
31		100	1.2	
32		100	1	
33		100	1	
34		100	0.9	
35		100	1	
36		100	1	
37		110	1.2	
38		87	1	
39		80	1	
40		110	1.1	
41		93	1	
42		90	1	
43		76	0.8	
44		69	0.5	
45		83	0.7	
46		96	1	
47		88	0.8	
48		90	1	
49		92	1	
50		88	0.9	
51		91	1	
52		96	0.9	
53		96	1	
54		112	1.2	
55		106	1	
56		93	0.5	
57		87	0.8	
58		88	0.8	
59		87	0.5	
60		86	0.7	
61		89	0.8	
62		83	0.8	
63		76	0.5	
64		62	0.9	D
65		102	1.1	
66		110	1.1	
67		92	1	
68		82	1	
69		96	1	
70		96	1	
71		87	1	
72		92	1.1	
73		79	1	D
74		87	1	
75		90	0.9	
76		88	1	
77		93	1	
78		110	0.9	
79		92	1	
80		82	1	

CONFORME:



VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				D
2				D
3				D
4				D
5				D
6		88	0.5	
7		87	0.5	
8		98	0.9	
9		97	1	
10		98	1	
11		69	1	
12		92	1	
13		92	1	
14		97	1	
15		110	1.1	
16		112	1.2	
17		110	1.1	
18		96	1	
19		89	1	
20		90	1	
21		96	0.9	
22		88	0.5	
23		88	0.9	
24		88	1	
25		87	1	
26		92	1	
27		88	1	
28		82	1	
29		93	1	
30		93	1	
31		90	1	
32		90	1	
33		10	1	
34		90	1	
35		90	1	
36		73	1	
37		72	1	
38		92	1	
39		92	1	
40		76	0.5	
41		33	0.7	D
42				D
43		76	0.6	
44		120	1.2	
45				D
46				D
47		110	1.2	
48		86	0.6	
49		76	0.5	
50		92	1	
51		89	1	
52		76	0.5	
53		70	0.5	
54		89	1	
55		89	1	
56		92	1	
57		92	1	
58		110	1.2	
59		88	1	
60		92	1	
61		89	1	
62		89	1	
63		76	0.5	
64		25	6.6	D
65		40	0.7	D
66				D
67		92	1	
68		96	1	
69		85	1	
70		87	1	
71		88	1	
72		110	1.1	
73		92	1	
74		93	1	
75		80	1	
76		85	1	
77		99	1	
78		112	1.2	
79		98	1	
80		69	0.7	D

CONFORME:



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VALIDATION TALLY SHEET

Location: FLIK

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		110	1.1	
2		120	1.2	
3		120	1.2	
4		120	1.1	
5		110	1.1	
6		110	1	
7		110	1	
8		110	1.1	
9		90	1	
10		90	1	
11		90	1	
12		110	1.2	
13		120	1.2	
14		90	0.8	
15		90	0.7	
16		110	1	
17		110	1	
18		120	1.1	
19		110	1	
20		120	1.2	
21		110	1	
22		110	1	
23		120	1.2	
24		110	1	
25		110	1	
26				D
27		60	0.7	D
28				D
29		120	1.2	A
30		60	0.7	
31		50	0.6	
32		60	0.9	
33		90	1	
34		90	1	
35		85	0.8	
36		70	0.8	
37		60	0.5	
38		70	0.5	
39		90	1	
40		90	1	
41		80	1	
42		80	1	
43		60	0.9	
44		90	1	
45		80	0.3	
46		60	0.7	D
47				D
48				D
49		70	0.3	
50		90	1	
51		80	1	
52		90	1	
53		60	0.9	
54		65	0.4	
55		40	0.4	
56		55	0.3	
57		60	0.4	
58		30	0.2	
59		90	1	
60		80	1.1	
61		70	0.8	
62		70	0.8	
63		80	0.8	
64		70	0.8	
65		90	0.9	
66				D
67		30	0.4	A
68		80	0.5	
69		90	1	
70		10	1	
71		85	0.8	
72		70	0.5	
73		71	0.5	
74		50	0.4	
75		60	0.3	
76		70	0.4	
77		40	0.4	
78		30	0.4	
79		40	0.7	
80		40	0.5	D

CONFORME:




VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		110	1	
2				D
3				D
4		110	1	
5		110	1	
6		110	1	
7		110	1	
8		110	1	
9		90	1	
10		90	1	
11		110	1	
12		110	1.1	
13		110	1	
14		110	1	
15		90	1	
16		90	1	
17		120	1.2	
18		115	1.1	
19		115	1.1	
20		90	1	
21		100	1.1	
22		110	1.1	
23		140	1.2	
24		120	1.2	
25		120	1.2	
26				D
27		80	1	
28		70	0.8	
29		30	0.7	D
30		40	0.9	
31		70	0.8	
32		90	0.7	
33				D
34		110	1	
35		110	1	
36		90	1	
37		90	1	
38		80	1	
39		110	1	
40		70	1	D
41		60	0.5	
42		90	1	
43		120	1	
44		110	1	
45		80	1	
46		90	1	
47		90	1	
48		80	0.8	
49		90	0.8	
50		90	1	
51		80	0.8	
52		90	0.9	
53		90	0.8	
54				D
55				D
56				D
57				D
58		20	0.7	
59		60	0.8	
60		60	1	
61		60	1	
62		60	1	
63		80	0.9	
64		90	1	
65		90	1	
66		90	1	
67		90	1	
68		120	1	
69		80	1	
70		80	1	
71		70	0.8	
72		80	0.9	
73		90	0.9	
74		80	1	
75		80	0.9	
76		70	0.9	
77		80	1	D
78		90	0.9	
79		90	0.9	
80		90	0.9	

CONFORME:



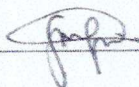
VALIDATION TALLY SHEET

Location: MLK

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1	92	92	1	
2	85	85	1	
3	78	78	1.6	D
4				D
5				D
6				D
7		99	1	
8		96	1	
9		96	1	
10		97	1	
11		89	1	
12		97	1	
13		108	1	
14		96	1	
15		86	1	
16		92	1	
17		86	1	
18		86	1	
19		90	0.8	
20		96	1	
21		86	0.5	
22		86	0.5	
23		72	0.5	
24		75	0.5	
25		85	0.5	
26		97	1	
27		99	1	
28		101	1	
29		100	1	
30		92	1	
31		92	1	
32		86	0.8	
33				D
34				D
35		42	0.6	
36		83	0.7	
37		42	0.4	
38		38	0.3	
39				D
40				D
41				D
42		42	0.4	
43		36	0.3	
44		36	0.3	
45		36	0.3	
46		36	0.3	
47		43	0.6	D
48		38	0.3	
49		42	0.4	
50		56	0.3	
51		61	0.5	
52		38	0.4	
53		62	0.5	
54		62	0.5	
55		28	0.5	
56		42	0.3	
57		42	0.4	
58		42	0.5	
59		42	0.3	
60		51	0.4	
61		62	0.5	
62		25	0.3	
63		44	0.3	
64		53	0.3	
65		54	0.3	
66		60	0.4	
67		52	0.5	
68		61	0.5	
69		72	0.4	
70		62	0.7	D
71		42	0.5	D
72				D
73				D
74				D
75		29	0.3	
76		46	0.3	
77		42	0.3	
78		40	0.3	
79		45	0.3	
80		43	0.3	

CONFORME:



VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		45	0.2	
2		26	0.2	
3		42	0.2	
4		38	0.2	
5				D
6				D
7		24	0.2	D
8		32	0.2	
9		46	0.2	
10		48	0.2	
11		33	0.2	
12		45	0.2	
13		42	0.4	D
14				D
15				D
16		25	0.6	A
17		32	0.3	
18		26	0.2	
19		72	0.3	
20		65	0.2	
21		46	0.3	
22				
23				
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78				
79				
80				

CONFORME:



VALIDATION TALLY SHEET

Location: _____
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		91	1.8 cm	A
2		87	1 cm	A
3		30	0.8	A
4		87	1 cm	A
5		52	0.7	
6		110	1.2	
7		40	0.5	
8		88	1	
9		90	1	
10		27	0.4	D
11		30	0.4	
12		70	1	
13		40	1.5	D
14		120	2	
15		80	0.7	
16		80	0.5	
17		60	1.5	
18		90	1.5	
19		60	1.7	
20		80	1.7	D
21		77	1	
22		90	1.7	D
23		80	1	A
24		77	1	A
25		97	1	D
26		97	1	
27		120	1.5	
28				D
29				D
30				D
31		110	1	A
32		97	1	D
33		97	1	D
34		60	1	D
35		60	1	D
36		60	1	D
37		48	1	A
38		100	1	D
39		110	1	A
40		110	1	D
41		110	1	D
42		110	1	A
43		110	1	D
44		110	1.5	
45		110	1	
46		110	1	
47		110	1	D
48		110	1.7	A
49		110	1.7	A
50		110	1.7	A
51		92	1	A
52		40	1	D
53		60	1	A
54		97	1	D
55		90	1	A
56		97	1	A
57		87	1	A
58		68	1	A
59		55	1	A
60		30	1	A
61		110	1.2	A
62		110	1	A
63		70	1	
64		90	1	
65		120	2	
66		110	1.1	
67		70	1	D
68				D
69		120	2	
70		90	1	
71		90	1	
72		90	1	
73		87	1	
74		92	1	
75		90	1	
76		98	1	
77		97	1	
78		80	1	
79		120	1.5	
80		100	1.1	

CONFORME:

VALIDATION TALLY SHEET

Location: _____
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				D
2				D
3		98	1	A
4		66	1.7	
5		72	1.8	
6		91	1	
7		92	1	
8		93	1	
9		97	1.8	
10		89	1	
11		93	1	
12		110	1	
13		100	1.3	
14		120	1.6	
15				D
16		60	1.7	D
17		92	1	
18		91	1	
19		97	1	
20		110	1	
21		120	1.7	
22		85	0.7	
23		90	1	
24		80	1	
25		87	0.9	
26		90	1	
27		89	1	
28		92	1	
29		97	1	
30		110	1	
31		97	1	
32		69	1	
33		81	0.7	
34		76	0.5	
35		69	0.5	
36		91	1	
37		92	1	
38		91	1	
39		93	1	
40		110	1	
41		97	1	
42		102	1	
43		97	1.1	
44		97	0.6	
45		120	1.2	
46		120	1.5	
47		120	1.5	
48		110	1.5	
49		97	1	
50		110	1	
51		110	1	
52		110	1	
53		110	1	
54		97	1	
55		86	0.7	
56		110	1	
57		110	1.2	
58		120	1.6	
59		93	1	
60		98	1	
61		98	1	
62		110	1	
63		120	2	
64		97	1	
65		97	1	
66		110	1.2	
67		110	1	
68		110	1	
69		110	1.2	
70		110	1.1	
71		110	1.2	
72		110	1	
73		110	1.2	
74		120	2	
75		120	1	
76		92	1	
77		87	0.7	
78		110	1.2	
79				D
80		97	1	A

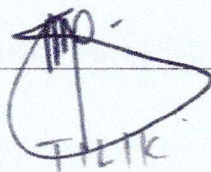
CONFORME:

VALIDATION TALLY SHEET

Location: TILIK, LUPANG, Occ. MAR
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		-		
2		-		
3		-		
4		-		
5		-		
6		-		
7		-		
8		-		
9		-		
10		-		
11		-		
12		128		
13		-		
14		-		
15		-		
16		125		
17		-		
18		-		
19		-		
20		-		
21		110		
22		94		
23		98		
24		96		
25		-		
26		-		
27		115		
28		120		
29		-		
30		-		
31		-		
32		96		
33		-		
34		-		
35		-		
36		-		
37		-		
38		124		
39		126		
40		128		
41		128		
42		118		
43		124		
44		112		
45		-		
46		100		
47		-		
48		-		
49		86		
50		-		
51		-		
52		-		
53		64		
54		82		
55		45		
56		-		
57		92		
58		87		
59		90		
60		-		
61		92		
62		92		
63		90		
64		91		
65		-		
66		-		
67		-		
68		-		
69		90		
70		-		
71		-		
72		-		
73		95		
74		90		
75		-		
76		-		
77		-		
78		112		
79		-		
80		-		

CONFORME:

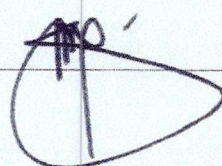

TILIK

VALIDATION TALLY SHEET

Location: _____
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		112		
2		-		
3		-		
4		-		
5		-		
6		-		
7		-		
8		-		
9		-		
10		-		
11		-		
12		-		
13		82		
14		-		
15		-		
16		-		
17		-		
18		-		
19		-		
20		-		
21		-		
22		-		
23		-		
24		70		
25		89		
26		88		
27		-		
28		99		
29		-		
30		-		
31		-		
32		-		
33		-		
34		112		
35		115		
36		-		
37		90		
38		86		
39		115		
40		112		
41		130		
42		-		
43		128		
44		115		
45		124		
46		120		
47		125		
48		125		
49		120		
50		124		
51		120		
52		125		
53		125		
54		125		
55		-		
56		-		
57		125		
58		125		
59		125		
60		125		
61		125		
62		-		
63		-		
64		-		
65		-		
66		124		
67		124		
68		124		
69		124		
70		124		
71		-		
72		-		
73		-		
74		-		
75		-		
76		-		
77		-		
78		-		
79		-		
80		-		

CONFORME:



VALIDATION TALLY SHEET

Location: TIK, LUBANU, Occ. MRO

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		92		
2		-		
3		-		
4		-		
5		-		
6		98		
7		94		
8		92		
9		90		
10		90		
11		-		
12		-		
13		-		
14		92		
15		-		
16		-		
17		-		
18		98		
19		102		
20		85		
21		-		
22		-		
23		-		
24		92		
25		90		
26		88		
27		-		
28		-		
29		92		
30		105		
31		89		
32		-		
33		-		
34		-		
35		101		
36		-		
37		-		
38		-		
39		-		
40		-		
41		92		
42		-		
43		88		
44		90		
45		10		
46		120		
47		110		
48		92		
49		132		
50		138		
51		130		
52		130		
53		130		
54		130		
55		130		
56		130		
57		130		
58		128		
59		128		
60		128		
61		125		
62		125		
63		125		
64		125		
65		125		
66		130		
67		130		
68		130		
69		130		
70		130		
71		132		
72		135		
73		132		
74		131		
75		130		
76		125		
77		125		
78		125		
79		125		
80		125		

CONFORME:



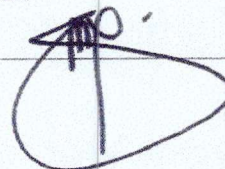
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		-		
2		125		
3		120		
4		120		
5		129		
6		-		
7		-		
8		-		
9		123		
10		-		
11		-		
12		-		
13		127		
14		-		
15		-		
16		130		
17		130		
18		115		
19		131		
20		132		
21		130		
22		-		
23		132		
24		-		
25		115		
26		115		
27		115		
28		115		
29		120		
30		-		
31		-		
32		-		
33		-		
34		-		
35		-		
36		92		
37		115		
38		112		
39		110		
40		110		
41		110		
42		-		
43		-		
44		-		
45		-		
46		-		
47		-		
48		97		
49		-		
50		-		
51		-		
52		110		
53		110		
54		-		
55		-		
56		93		
57		-		
58		-		
59		-		
60		-		
61		125		
62		120		
63		-		
64		-		
65		-		
66		132		
67		-		
68		-		
69		-		
70		-		
71		-		
72		-		
73		-		
74		-		
75		130		
76		125		
77		130		
78		130		
79		130		
80		130		

CONFORME:

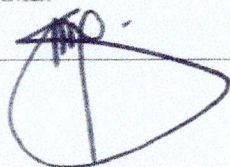


VALIDATION TALLY SHEET

Location: TRIK, WABAN, OCC. MAR
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		75	10	A
2				—
3				—
4				—
5				—
6				—
7				—
8		95	10	
9		72	10	
10		—		
11		—		
12		95		
13		90		
14		94		
15		—		
16		—		
17		—		
18		—		
19		—		
20		—		
21		90		
22		76		
23		—		
24		—		
25		—		
26		—		
27		—		
28		—		
29		78		
30		—		
31		—		
32		69		
33		92		
34		74		
35		—		
36		—		
37		—		
38		—		
39		—		
40		—		
41		—		
42		—		
43		—		
44		100		
45		96		
46		90		
47		95		
48		—		
49		—		
50		—		
51		—		
52		—		
53		—		
54		—		
55		—		
56		—		
57		100		
58		—		
59		—		
60		—		
61		—		
62		—		
63		—		
64		—		
65		—		
66		—		
67		—		
68		—		
69		—		
70		—		
71		—		
72		—		
73		—		
74		—		
75		—		
76		90		
77		52		
78		—		
79		90		
80		—		

CONFORME:

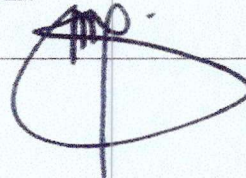


VALIDATION TALLY SHEET

Location: _____
Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		—		
2		91		
3		—		
4		—		
5		—		
6		—		
7		—		
8		93		
9		108		
10		73		
11		—		
12		—		
13		—		
14		—		
15		—		
16		—		
17		110		
18		—		
19		—		
20		90		
21		77		
22		100		
23		—		
24		—		
25		—		
26		—		
27		—		
28		—		
29		79		
30		—		
31		—		
32		110		
33		—		
34		—		
35		—		
36		—		
37		—		
38		90		
39		—		
40		—		
41		—		
42		—		
43		—		
44		109		
45		103		
46		—		
47		—		
48		—		
49		102		
50		97		
51		—		
52		—		
53		—		
54		—		
55		—		
56		90		
57		92		
58		1100		
59		—		
60		—		
61		—		
62		—		
63		—		
64		—		
65		—		
66		—		
67		—		
68		—		
69		—		
70		—		
71		—		
72		—		
73		—		
74		—		
75		96		
76		—		
77		93		
78		—		
79		—		
80		—		

CONFORME:



VALIDATION TALLY SHEET

Location: TILIK, LUBANY, DC, MRO

Date:

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		100	11	A
2		130	10	A
3		100	10	A
4		100	10	A
5				A
6				A
7				A
8				A
9				A
10				A
11				A
12				A
13				A
14				A
15		90	10	A
16		110	10	A
17		85	10	A
18		100	10	A
19		90	10	A
20				A
21				A
22				A
23		45	10	A
24		12	10	A
25				A
26				A
27				A
28				A
29		85	10	A
30		105	10	A
31				A
32		12	10	A
33				A
34				A
35				A
36				A
37				A
38				A
39				A
40		87	10	A
41		97	10	A
42				A
43				A
44				A
45		10	10	A
46		100	10	A
47		85	10	A
48				A
49				A
50				A
51		93		A
52		99		A
53				A
54				A
55				A
56				A
57				A
58				A
59				A
60		98	10	A
61				A
62				A
63		104	10	A
64				A
65				A
66				A
67				A
68				A
69				A
70		78	10	A
71		78	10	A
72				A
73				A
74				A
75				A
76				A
77				A
78				A
79				A
80				A

CONFORME:



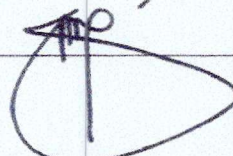
VALIDATION TALLY SHEET

Location:

Date:

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				A
2				A
3		84	10	A
4				A
5				A
6		79	11	A
7				A
8				A
9				A
10				A
11				A
12				A
13				A
14				A
15				A
16				A
17				A
18				A
19				A
20		70	10	A
21				A
22		70	10	A
23				A
24				A
25				A
26		85	80	A
27				A
28				A
29				A
30				A
31		75	10	A
32		72	10	A
33				A
34				A
35				A
36				A
37		73	10	A
38		70	10	A
39		70	10	A
40		85	10	A
41				A
42				A
43				A
44		100		A
45				A
46				A
47				A
48				A
49				A
50				A
51				A
52				A
53				A
54				A
55				A
56		95	10	A
57		70		A
58				A
59				A
60				A
61				A
62				A
63				A
64				A
65		70	10	A
66				A
67				A
68				A
69				A
70				A
71				A
72				A
73				A
74				A
75				A
76				A
77				A
78				A
79				A
80				A

CONFORME:



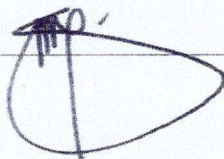
VALIDATION TALLY SHEET

Location: TLIK, LUPAN, OCC. MRO

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		-		
2		65		
3		-		
4		-		
5		-		
6		-		
7		-		
8		-		
9		-		
10		-		
11		-		
12		-		
13		-		
14		45		
15		-		
16		-		
17		42		
18		-		
19		-		
20		-		
21		-		
22		-		
23		-		
24		-		
25		120		
26		120		
27		79		
28		-		
29		-		
30		-		
31		-		
32		78		
33		102		
34		-		
35		-		
36		-		
37		-		
38		89		
39		97		
40		95		
41		-		
42		-		
43		-		
44		-		
45		-		
46		-		
47		85		
48		120		
49		122		
50		125		
51		130		
52		130		
53		130		
54		130		
55		-		
56		120		
57		130		
58		-		
59		-		
60		-		
61		-		
62		-		
63		120		
64		90		
65		95		
66		-		
67		-		
68		-		
69		-		
70		78		
71		74		
72		-		
73		90		
74		-		
75		85		
76		-		
77		-		
78		-		
79		90		
80		85		

CONFORME:



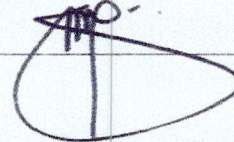
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		-		
2		85		
3		90		
4		-		
5		-		
6		-		
7		75		
8		BONA		
9		-		
10		-		
11		-		
12		-		
13		-		
14		-		
15		-		
16		85		
17		92		
18		10		
19		72		
20		-		
21		-		
22		-		
23		-		
24		-		
25		-		
26		-		
27		-		
28		-		
29		-		
30		-		
31		-		
32		-		
33		-		
34		-		
35		-		
36		-		
37		-		
38		-		
39		-		
40		-		
41		-		
42		-		
43		-		
44		-		
45		-		
46		-		
47		-		
48		-		
49		-		
50		-		
51		-		
52		-		
53		-		
54		-		
55		-		
56		-		
57		-		
58		-		
59		-		
60		-		
61		-		
62		-		
63		-		
64		-		
65		-		
66		-		
67		-		
68		-		
69		-		
70		-		
71		-		
72		-		
73		-		
74		-		
75		-		
76		-		
77		-		
78		-		
79		-		
80		-		

CONFORME:



VALIDATION TALLY SHEET

Location: TILIK, WUBANK, OCC. MND

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				
2		120	2.2	
3		120	3	
4		100	2	
5		90	1	
6		70	1.5	
7		70	1.5	
8		100	1.8	
9		100	2	
10		100	2	
11		100	2	
12		100	2	
13		100	2	
14		100	2	
15		100	2	
16		100	2	
17		100	2	
18		100	2	
19		100	2	
20		100	2	
21		100	2	
22		100	2	
23		100	2	
24		100	2	
25		100	2	
26		100	2	
27		100	2	
28		100	2	
29		100	2	
30		100	2	
31		100	2	
32		100	2	
33		100	2	
34		100	2	
35		100	2	
36		100	2	
37		100	2	
38		100	2	
39		100	2	
40		100	2	
41		100	2	
42		100	2	
43		100	2	
44		100	2	
45		100	2	
46		100	2	
47		100	2	
48		100	2	
49		100	2	
50		100	2	
51		100	2	
52		100	2	
53		100	2	
54		100	2	
55		100	2	
56		100	2	
57		100	2	
58		100	2	
59		100	2	
60		100	2	
61		100	2	
62		100	2	
63		100	2	
64		100	2	
65		100	2	
66		100	2	
67		100	2	
68		100	2	
69		100	2	
70		100	2	
71		100	2	
72		100	2	
73		100	2	
74		100	2	
75		100	2	
76		100	2	
77		100	2	
78		100	2	
79		100	2	
80		100	2	

CONFORME:



TILIK ?

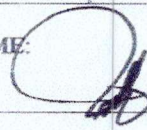
VALIDATION TALLY SHEET

Location: TILIK, WUBANK, OCC. MND

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		110	1	
2		110	1	
3		110	1	
4		110	1	
5		110	1	
6		110	1	
7		110	1	
8		110	1	
9		110	1	
10		110	1	
11		110	1	
12		110	1	
13		110	1	
14		110	1	
15		110	1	
16		110	1	
17		110	1	
18		110	1	
19		110	1	
20		110	1	
21		110	1	
22		110	1	
23		110	1	
24		110	1	
25		110	1	
26		110	1	
27		110	1	
28		110	1	
29		110	1	
30		110	1	
31		110	1	
32		110	1	
33		110	1	
34		110	1	
35		110	1	
36		110	1	
37		110	1	
38		110	1	
39		110	1	
40		110	1	
41		110	1	
42		110	1	
43		110	1	
44		110	1	
45		110	1	
46		110	1	
47		110	1	
48		110	1	
49		110	1	
50		110	1	
51		110	1	
52		110	1	
53		110	1	
54		110	1	
55		110	1	
56		110	1	
57		110	1	
58		110	1	
59		110	1	
60		110	1	
61		110	1	
62		110	1	
63		110	1	
64		110	1	
65		110	1	
66		110	1	
67		110	1	
68		110	1	
69		110	1	
70		110	1	
71		110	1	
72		110	1	
73		110	1	
74		110	1	
75		110	1	
76		110	1	
77		110	1	
78		110	1	
79		110	1	
80		110	1	

CONFORME:



VALIDATION TALLY SHEET

Location: TILIK, LUBANG, OCC. MNO

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		110	1	
2		110	1	
3		110	1	
4		110	1	
5		112	1.1	
6		112	1.1	
7		110	1.1	
8		124	1.2	
9		123	1.3	
10		120	1.1	
11		118	2	
12		110	1.1	
13		110	1	
14		86	1	
15		12	1	
16		94	1	
17		94	1	
18		15	1	
19		82	1	
20		82	1	
21		103	1.1	
22		108	1.1	
23		107	1.1	
24		106	1.2	
25		106	1.2	
26		107	1.2	
27		94	1	
28		94	1	
29		97	1	
30		106	1.1	
31		110	1.2	
32		59	1	
33		100	1	
34		105	1.2	
35		110	1.2	
36		120	1.6	
37		120	1.2	
38		124	1.2	
39		110	1.1	
40		120	1.2	
41		120	1.2	
42		110	1.1	
43		100	1.1	
44		100	1.1	
45		120	1.2	
46		10	1	
47		80	1	
48		80	1	
49		10	1	
50		110	1.2	
51		110	1.1	
52		110	1.1	
53		110	1.1	
54		109	1.1	
55		110	1.2	
56		86	1	
57		86	1	
58		86	1	
59		90	1	
60		90	1	
61		110	1.1	
62		120	1.1	
63		120	1.1	
64		124	1.2	
65		124	1.2	
66		124	1.2	
67		120	1.4	
68		120	1.4	
69		130	1.6	
70		110	1.1	
71		110	1.2	
72		110	1	
73		110	1	
74		90	1.2	
75		80	1	
76		80	1	
77		90	1	
78		10	1.1	
79		103	1.1	
80				

CONFORME:

VALIDATION TALLY SHEET

Location: TILIK, LUBANG, OCC. MNO

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		110	1	
2		110	1	
3		110	1	
4		110	1	
5		112	1.1	
6		112	1.1	
7		110	1.1	
8		124	1.2	
9		123	1.3	
10		120	1.1	
11		118	2	
12		110	1.1	
13		110	1	
14		86	1	
15		12	1	
16		94	1	
17		94	1	
18		15	1	
19		82	1	
20		82	1	
21		103	1.1	
22		108	1.1	
23		107	1.1	
24		106	1.2	
25		106	1.2	
26		107	1.2	
27		94	1	
28		94	1	
29		97	1	
30		106	1.1	
31		110	1.2	
32		59	1	
33		100	1	
34		105	1.2	
35		110	1.2	
36		120	1.6	
37		120	1.2	
38		124	1.2	
39		110	1.1	
40		120	1.2	
41		120	1.2	
42		110	1.1	
43		100	1.1	
44		100	1.1	
45		120	1.2	
46		10	1	
47		80	1	
48		80	1	
49		10	1	
50		110	1.2	
51		110	1.1	
52		110	1.1	
53		110	1.1	
54		109	1.1	
55		110	1.2	
56		86	1	
57		86	1	
58		86	1	
59		90	1	
60		90	1	
61		110	1.1	
62		120	1.1	
63		120	1.1	
64		124	1.2	
65		124	1.2	
66		124	1.2	
67		120	1.4	
68		120	1.4	
69		130	1.6	
70		110	1.1	
71		110	1.2	
72		110	1	
73		110	1	
74		90	1.2	
75		80	1	
76		80	1	
77		90	1	
78		10	1.1	
79		103	1.1	
80				

CONFORME:

VALIDATION TALLY SHEET

Location: TILK, WOPAK, OCC MPD

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		100	1	
2		101	1	
3		101	1	
4		X	X	
5		X	X	
6		104	X	
7		X	X	
8		18	1	
9		18	1	
10		108	X	
11		100	X	
12		X	X	
13		X	X	
14		106	1.8	
15		106	1.8	
16		101	1.8	
17		100	1.9	
18		104	1.1	
19		103	1.3	
20		103	1.3	
21		104	1.4	
22		X	X	
23		X	X	
24		X	X	
25		X	X	
26		X	X	
27		106	1.1	
28		110	1.1	
29		111	1.1	
30		X	X	
31		X	X	
32		X	X	
33		107	1.1	
34		104	1.1	
35		104	1.1	
36		104	1.1	
37		104	1.1	
38		100	1.1	
39		108	1.1	
40		103	1.1	
41		103	1.1	
42		104	1.1	
43		104	1.1	
44		101	1.1	
45		101	1.1	
46		102	1.1	
47		102	1.1	
48		106	1.1	
49		106	1.1	
50		106	1.1	
51		106	1.1	
52		106	1.1	
53		106	1.1	
54		106	1.1	
55		106	1.1	
56		106	1.1	
57		106	1.1	
58		X	X	
59		X	X	
60		X	X	
61		X	X	
62		X	X	
63		X	X	
64		X	X	
65		X	X	
66		X	X	
67		X	X	
68		X	X	
69		101	1	
70		106	1	
71		100	1	
72		102	1	
73		107	1	
74		107	1	
75		107	1.1	
76		107	1.1	
77		107	1.1	
78		107	1.1	
79		108	1	
80		103	1	

CONFORME:

VALIDATION TALLY SHEET

Location: TILK, WOPAK, OCC MPD

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		108	1.1	
2		108	1.1	
3		108	1.1	
4		108	1.1	
5		108	1.1	
6		108	1.1	
7		108	1.1	
8		108	1.1	
9		108	1.1	
10		108	1.1	
11		108	1.1	
12		108	1.1	
13		108	1.1	
14		108	1.1	
15		108	1.1	
16		108	1.1	
17		108	1.1	
18		108	1.1	
19		108	1.1	
20		108	1.1	
21		108	1.1	
22		108	1.1	
23		108	1.1	
24		108	1.1	
25		108	1.1	
26		108	1.1	
27		108	1.1	
28		108	1.1	
29		108	1.1	
30		108	1.1	
31		108	1.1	
32		108	1.1	
33		108	1.1	
34		108	1.1	
35		108	1.1	
36		108	1.1	
37		108	1.1	
38		108	1.1	
39		108	1.1	
40		108	1.1	
41		108	1.1	
42		108	1.1	
43		108	1.1	
44		108	1.1	
45		108	1.1	
46		108	1.1	
47		108	1.1	
48		108	1.1	
49		108	1.1	
50		108	1.1	
51		108	1.1	
52		108	1.1	
53		108	1.1	
54		108	1.1	
55		108	1.1	
56		108	1.1	
57		108	1.1	
58		108	1.1	
59		108	1.1	
60		108	1.1	
61		108	1.1	
62		108	1.1	
63		108	1.1	
64		108	1.1	
65		108	1.1	
66		108	1.1	
67		108	1.1	
68		108	1.1	
69		108	1.1	
70		108	1.1	
71		108	1.1	
72		108	1.1	
73		108	1.1	
74		108	1.1	
75		108	1.1	
76		108	1.1	
77		108	1.1	
78		108	1.1	
79		108	1.1	
80		108	1.1	

CONFORME:

PHOTO DOCUMENTATION



Geo-tagged photos taken during monitoring activity on the established Mangrove Plantation under CMEMP at Brgy. Tumibo, Lubang , Occidental Mindoro

f x y

PHOTO DOCUMENTATION



Geo-tagged photos showing some of the planted mangroves at Brgy. Tumibo, Lubang, Occidental Mindoro

f R

VALIDATION TALLY SHEET

Location: Tumibó

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		125	2	A
2		90		A
3		115	1.2	A
4		105		A
5		127		A
6		124		A
7		119		A
8		71		A
9		105		
10		130	2.2	
11		118	2	
12		112	1.1	
13		46	1.1	
14		31	1.1	
15		80	1.1	
16		20	1.1	
17		40	2.1	
18		101	2	
19		104	2.1	
20		104	1.8	
21		102	2.3	
22		122	2.1	
23		57	2.1	
24		151	3.2	
25		83	1.1	
26		141	3.1	
27		122	2.2	
28		26	1.2	
29		26	1.1	
30		20	2.2	
31		13	2.1	
32		86	1.8	
33		64	1.3	
34		38	2	
35		26	1.1	
36		51	1.6	
37		48	1.1	
38		51	1.8	
39		46	1.2	
40		46	1.2	
41		77	1.2	
42		104	2.1	
43		66	1.2	
44		85	1.2	
45		100	1.1	
46		131	2	
47		102	2.1	
48		84	1.2	
49		88	1.1	
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
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80				

CONFORME:

VALIDATION TALLY SHEET

Location: Kambuan, Loe

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				
2				
3				
4				
5			1.5	
6				
7				
8				
9				
10			1.2	
11			1.1	
12			1.1	
13				
14				
15				
16				
17				
18			1.2	
19				
20			1.1	
21				
22			1.1	
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
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78				
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80				

CONFORME:

VALIDATION TALLY SHEET

Location: Domino

Date: April 21, 2022

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		120	2.5	
2		115	2	
3		120		
4		150	2	
5		120	2.2	
6		142	2	
7		110	1	
8		120	1.8	
9		110	1	
10		98	1	
11		90	1.9	
12		90	1	
13		90	1	
14		90	1	
15		90	1	
16		101	1	
17		88	1	
18		90	1	
19		91	1	
20		87	1	
21		97	1	
22		100	1	
23		90	1	
24		90	1	
25		59	1	
26		63	1	
27		58	1	
28		58	1	
29		87	4	
30		99	1	
31		97	1	
32		120	1.2	
33		32	1	
34		25	0.5	
35		22	1	
36		42	1	
37		22	1	
38		49	1	
39		60	1	
40		90	1	
41		90	1	
42		91	1	
43		90	0.1	
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
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77				
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79				
80				

CONFORME:

MERCY FLANZA

VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
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19				
20				
21				
22				
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24				
25				
26				
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30				
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33				
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41				
42				
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44				
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50				
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75				
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77				
78				
79				
80				

CONFORME:

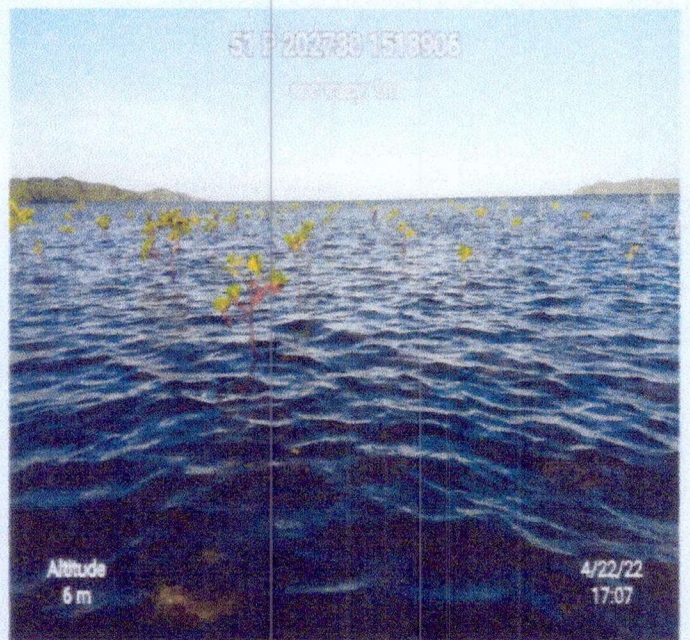
PHOTO DOCUMENTATION



Geo-tagged photos taken during monitoring activity on the established Mangrove Plantation under CMEMP at Brgy. Kanluaran Looc, Occidental Mindoro

8 9 7

PHOTO DOCUMENTATION



Geo-tagged photos showing some of the planted mangroves at Brgy. Kanluran Looc, Occidental Mindoro

8 74

PHOTO DOCUMENTATION



Geo-tagged photos showing some of the planted mangroves at Brgy. Kanluran Looc, Occidental Mindoro

8 9 4

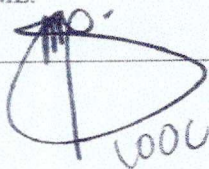
VALIDATION TALLY SHEET

Location: LOOC, OCC MRD

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		100		
2		105		
3		120		
4		90		
5		90		
6		90		
7		90		
8		90		
9		125		
10		105		
11		130		
12		—		
13		125		
14		105		
15		105		
16		125		
17		125		
18		125		
19		90		
20		115		
21		124		
22		90		
23		92		
24		90		
25		102		
26		64		
27		90		
28		87		
29		121		
30		92		
31		92		
32		120		
33		90		
34		85		
35		90		
36		90		
37		103		
38		108		
39		84		
40		90		
41		90		
42		104		
43		110		
44		63		
45		83		
46		90		
47		85		
48		90		
49		90		
50		115		
51		110		
52		—		
53		92		
54		85		
55		94		
56		84		
57		100		
58		80		
59		91		
60		84		
61		90		
62		92		
63		85		
64		110		
65		86		
66		80		
67		124		
68		124		
69		127		
70		108		
71		120		
72		90		
73		—		
74		92		
75		94		
76		90		
77		90		
78		90		
79		—		
80		—		

CONFORME:



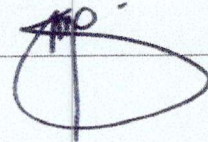
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		84		
2		90		
3		90		
4		—		
5		—		
6		97		
7		120		
8		—		
9		100		
10		110		
11		128		
12		120		
13		88		
14		90		
15		90		
16		90		
17		90		
18		93		
19		97		
20		97		
21		115		
22		90		
23		90		
24		90		
25		125		
26		105		
27		125		
28		120		
29		120		
30		120		
31		120		
32		120		
33		120		
34		97		
35		90		
36		90		
37		92		
38		110		
39		90		
40		90		
41		90		
42		90		
43		124		
44		120		
45		90		
46		110		
47		110		
48		90		
49		90		
50		92		
51		87		
52		94		
53		97		
54		90		
55		115		
56		120		
57		120		
58		120		
59		120		
60		120		
61		120		
62		80		
63		90		
64		90		
65		124		
66		124		
67		124		
68		124		
69		124		
70		124		
71		124		
72		124		
73		124		
74		124		
75		124		
76		124		
77		124		
78		124		
79		124		
80		124		

CONFORME:



VALIDATION TALLY SHEET

Location: KANUKUN, 1000, OCE, MAD

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1	<i>Patagonia</i>	100	1.4	
2	X	100	1.4	
3	X	100	1.4	
4	X	100	1.4	
5	X	100	1.4	
6	X	100	1.4	
7	X	100	1.4	
8	X	100	1.4	
9	X	100	1.4	
10	X	100	1.4	
11	X	100	1.4	
12	X	100	1.4	
13	X	100	1.4	
14	X	100	1.4	
15	X	100	1.4	
16	X	100	1.4	
17	X	100	1.4	
18	X	100	1.4	
19	X	100	1.4	
20	X	100	1.4	
21	X	100	1.4	
22	X	100	1.4	
23	X	100	1.4	
24	X	100	1.4	
25	X	100	1.4	
26	X	100	1.4	
27	X	100	1.4	
28	X	100	1.4	
29	X	100	1.4	
30	X	100	1.4	
31	X	100	1.4	
32	X	100	1.4	
33	X	100	1.4	
34	X	100	1.4	
35	X	100	1.4	
36	X	100	1.4	
37	X	100	1.4	
38	X	100	1.4	
39	X	100	1.4	
40	X	100	1.4	
41	X	100	1.4	
42	X	100	1.4	
43	X	100	1.4	
44	X	100	1.4	
45	X	100	1.4	
46	X	100	1.4	
47	X	100	1.4	
48	X	100	1.4	
49	X	100	1.4	
50	X	100	1.4	
51	X	100	1.4	
52	X	100	1.4	
53	X	100	1.4	
54	X	100	1.4	
55	X	100	1.4	
56	X	100	1.4	
57	X	100	1.4	
58	X	100	1.4	
59	X	100	1.4	
60	X	100	1.4	
61	X	100	1.4	
62	X	100	1.4	
63	X	100	1.4	
64	X	100	1.4	
65	X	100	1.4	
66	X	100	1.4	
67	X	100	1.4	
68	X	100	1.4	
69	X	100	1.4	
70	X	100	1.4	
71	X	100	1.4	
72	X	100	1.4	
73	X	100	1.4	
74	X	100	1.4	
75	X	100	1.4	
76	X	100	1.4	
77	X	100	1.4	
78	X	100	1.4	
79	X	100	1.4	
80	X	100	1.4	

CONFORME:

VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		100	1.4	
2		100	1.4	
3		100	1.4	
4		100	1.4	
5		100	1.4	
6		100	1.4	
7		100	1.4	
8		100	1.4	
9		100	1.4	
10		100	1.4	
11		100	1.4	
12		100	1.4	
13		100	1.4	
14		100	1.4	
15		100	1.4	
16		100	1.4	
17		100	1.4	
18		100	1.4	
19		100	1.4	
20		100	1.4	
21		100	1.4	
22		100	1.4	
23		100	1.4	
24		100	1.4	
25		100	1.4	
26		100	1.4	
27		100	1.4	
28		100	1.4	
29		100	1.4	
30		100	1.4	
31		100	1.4	
32		100	1.4	
33		100	1.4	
34		100	1.4	
35		100	1.4	
36		100	1.4	
37		100	1.4	
38		100	1.4	
39		100	1.4	
40		100	1.4	
41		100	1.4	
42		100	1.4	
43		100	1.4	
44		100	1.4	
45		100	1.4	
46		100	1.4	
47		100	1.4	
48		100	1.4	
49		100	1.4	
50		100	1.4	
51		100	1.4	
52		100	1.4	
53		100	1.4	
54		100	1.4	
55		100	1.4	
56		100	1.4	
57		100	1.4	
58		100	1.4	
59		100	1.4	
60		100	1.4	
61		100	1.4	
62		100	1.4	
63		100	1.4	
64		100	1.4	
65		100	1.4	
66		100	1.4	
67		100	1.4	
68		100	1.4	
69		100	1.4	
70		100	1.4	
71		100	1.4	
72		100	1.4	
73		100	1.4	
74		100	1.4	
75		100	1.4	
76		100	1.4	
77		100	1.4	
78		100	1.4	
79		100	1.4	
80		100	1.4	

CONFORME:

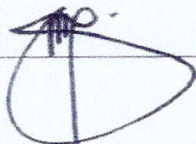
VALIDATION TALLY SHEET

Location: KANUKAN, LOC, OCC. MED

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		90		
2		90		
3		90		
4		90		
5		90		
6		90		
7		90		
8		90		
9		90		
10		90		
11		90		
12		90		
13		90		
14		90		
15		90		
16		90		
17		90		
18		90		
19		90		
20		90		
21		90		
22		90		
23		90		
24		90		
25		90		
26		90		
27		90		
28		90		
29		90		
30		90		
31		90		
32		90		
33		90		
34		90		
35		90		
36		90		
37		90		
38		90		
39		90		
40		90		
41		90		
42		90		
43		90		
44		90		
45		90		
46		90		
47		90		
48		90		
49		90		
50		90		
51		90		
52		90		
53		90		
54		90		
55		90		
56		90		
57		90		
58		90		
59		90		
60		90		
61		90		
62		90		
63		90		
64		90		
65		90		
66		90		
67		90		
68		90		
69		90		
70		90		
71		90		
72		90		
73		90		
74		90		
75		90		
76		90		
77		90		
78		90		
79		90		
80		90		

CONFORME:



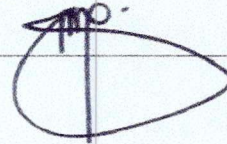
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		90		
2		90		
3		90		
4		90		
5		90		
6		90		
7		90		
8		90		
9		90		
10		90		
11		90		
12		90		
13		90		
14		90		
15		90		
16		90		
17		90		
18		90		
19		90		
20		90		
21		90		
22		90		
23		90		
24		90		
25		90		
26		90		
27		90		
28		90		
29		90		
30		90		
31		90		
32		90		
33		90		
34		90		
35		90		
36		90		
37		90		
38		90		
39		90		
40		90		
41		90		
42		90		
43		90		
44		90		
45		90		
46		90		
47		90		
48		90		
49		90		
50		90		
51		90		
52		90		
53		90		
54		90		
55		90		
56		90		
57		90		
58		90		
59		90		
60		90		
61		90		
62		90		
63		90		
64		90		
65		90		
66		90		
67		90		
68		90		
69		90		
70		90		
71		90		
72		90		
73		90		
74		90		
75		90		
76		90		
77		90		
78		90		
79		90		
80		90		

CONFORME:



VALIDATION TALLY SHEET

Location: Kan Krom, Loue

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1	R		X	
2	X		X	
3				
4				
5				
6			X	
7			X	
8			X	
9				
10				
11				
12				
13				
14				
15			X	
16			X	
17			X	
18			X	
19			X	
20			X	
21			X	
22			X	
23			X	
24			X	
25			X	
26			X	
27			X	
28			X	
29			X	
30			X	
31			X	
32			X	
33			X	
34			X	
35			X	
36			X	
37			X	
38			X	
39			X	
40			X	
41			X	
42			X	
43			X	
44			X	
45			X	
46			X	
47			X	
48			X	
49			X	
50			X	
51			X	
52			X	
53			X	
54			X	
55			X	
56			X	
57			X	
58			X	
59			X	
60			X	
61			X	
62			X	
63			X	
64			X	
65			X	
66			X	
67			X	
68			X	
69			X	
70			X	
71			X	
72			X	
73			X	
74			X	
75			X	
76			X	
77			X	
78			X	
79			X	
80			X	

CONFORME:

VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				

CONFORME:

VALIDATION TALLY SHEET

Location: Kayman, 6002

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		108	2.1	
2		X	X	
3		X	X	
4		X	X	
5		X	X	
6		X	X	
7		X	X	
8		X	X	
9		X	X	
10		X	X	
11		X	X	
12		X	X	
13		X	X	
14		X	X	
15		X	X	
16		X	X	
17		X	X	
18		X	X	
19		X	X	
20		X	X	
21		X	X	
22		X	X	
23		X	X	
24		X	X	
25		X	X	
26		X	X	
27		X	X	
28		X	X	
29		X	X	
30		X	X	
31		X	X	
32		X	X	
33		X	X	
34		X	X	
35		X	X	
36		X	X	
37		X	X	
38		X	X	
39		X	X	
40		X	X	
41		X	X	
42		X	X	
43		X	X	
44		X	X	
45		X	X	
46		X	X	
47		X	X	
48		X	X	
49		X	X	
50		X	X	
51		X	X	
52		X	X	
53		X	X	
54		X	X	
55		X	X	
56		X	X	
57		X	X	
58		X	X	
59		X	X	
60		X	X	
61		X	X	
62		X	X	
63		X	X	
64		X	X	
65		X	X	
66		X	X	
67		X	X	
68		X	X	
69		X	X	
70		X	X	
71		X	X	
72		X	X	
73		X	X	
74		X	X	
75		X	X	
76		X	X	
77		X	X	
78		X	X	
79		X	X	
80		X	X	

CONFORME:

VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		118	2.1	
2		112	2.1	
3		108	2.1	
4		103	2.1	
5		103	2.1	
6		103	2.1	
7		103	2.1	
8		103	2.1	
9		103	2.1	
10		103	2.1	
11		103	2.1	
12		103	2.1	
13		103	2.1	
14		103	2.1	
15		103	2.1	
16		103	2.1	
17		103	2.1	
18		103	2.1	
19		103	2.1	
20		103	2.1	
21		103	2.1	
22		103	2.1	
23		103	2.1	
24		103	2.1	
25		103	2.1	
26		103	2.1	
27		103	2.1	
28		103	2.1	
29		103	2.1	
30		103	2.1	
31		103	2.1	
32		103	2.1	
33		103	2.1	
34		103	2.1	
35		103	2.1	
36		103	2.1	
37		103	2.1	
38		103	2.1	
39		103	2.1	
40		103	2.1	
41		103	2.1	
42		103	2.1	
43		103	2.1	
44		103	2.1	
45		103	2.1	
46		103	2.1	
47		103	2.1	
48		103	2.1	
49		103	2.1	
50		103	2.1	
51		103	2.1	
52		103	2.1	
53		103	2.1	
54		103	2.1	
55		103	2.1	
56		103	2.1	
57		103	2.1	
58		103	2.1	
59		103	2.1	
60		103	2.1	
61		103	2.1	
62		103	2.1	
63		103	2.1	
64		103	2.1	
65		103	2.1	
66		103	2.1	
67		103	2.1	
68		103	2.1	
69		103	2.1	
70		103	2.1	
71		103	2.1	
72		103	2.1	
73		103	2.1	
74		103	2.1	
75		103	2.1	
76		103	2.1	
77		103	2.1	
78		103	2.1	
79		103	2.1	
80		103	2.1	

CONFORME:

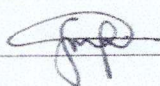
VALIDATION TALLY SHEET

Location: DOX

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		90	1	
2		80	1	
3		10	0.1	NP
4		10	0.1	NP
5		60	0.3	
6		150	1.2	
7		30	0.3	NP
8		48	0.3	
9		10	0.1	NP
10		10	0.1	NP
11				
12				
13				
14				
15		20	0.3	NP
16		10	0.1	NP
17		10	0.1	NP
18		10	0.1	NP
19		10	0.1	NP
20		10	0.1	NP
21		10	0.1	NP
22		15	0.2	
23		10	0.1	NP
24		110	0.9	
25		10	0.1	NP
26		10	0.1	NP
27		10	0.1	NP
28		120	1.2	
29		10	0.1	NP
30		97	0.6	
31		15	0.1	NP
32		15	0.1	NP
33		8	0.1	NP
34		8	0.1	NP
35		110	1.2	
36		98	1	
37		88	1	
38		10	0.1	NP
39		90	0.8	
40		90	1	
41		90	1	
42		90	0.8	
43		90	1	
44		90	0.8	
45		90	0.8	
46		90	1	
47		90	1	
48		90	1	
49		90	1	
50		90	1	
51		90	1	
52		90	1	
53		90	1	
54		90	1	
55		90	1	
56		150	1.2	
57		150	1.2	
58		150	1.2	
59		150	1.1	
60		150	1.2	
61		150	1.2	
62		150	1.2	
63		150	1.2	
64		150	1.2	
65		150	1.2	
66				D
67				D
68				D
69				D
70				D
71				D
72				D
73				D
74				D
75				D
76				D
77		70	0.7	
78		90	0.8	
79				D
80				D

CONFORME:



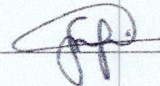
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				D
2				D
3				D
4				D
5		60	0.4	
6				D
7				D
8				D
9				D
10				D
11				D
12				D
13				D
14				D
15		30	0.3	
16		30	0.3	
17				D
18				D
19				D
20				D
21				D
22				D
23				D
24				D
25				D
26		150	1	
27		98	1	
28		150	1.2	
29		150	1.2	
30				D
31				D
32		90	0.8	
33				D
34				D
35				D
36				D
37				D
38				D
39				D
40				D
41				D
42		100	1.2	
43		98	1	
44		98	1	
45		92	1	
46				D
47				D
48		100	1	
49				D
50				D
51				D
52				D
53				D
54		110	1	
55		88	1	
56		75	1	
57		90	1	
58				D
59				D
60				D
61				D
62				D
63				D
64				D
65				D
66				D
67		92	1	
68		92	1	
69		92	1	
70		90	1.2	D
71		120	1.2	
72		92	1	
73		84	1	
74				D
75		130	1.2	
76		50	0.4	
77				D
78				D
79				D
80				D

CONFORME:



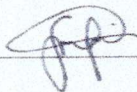
VALIDATION TALLY SHEET

Location: WCC

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1				D
2		120	1	
3		120	1.1	
4		105	1	
5				D
6		89	0.5	
7		74	0.5	
8		74	0.5	
9				D
10				D
11		63	0.5	
12		58	0.4	
13		92	0.9	
14		100	1	
15		100	1	
16		100	1	D
17		100	1	
18		100	1	
19		100	1	
20		100	1	
21		100	1	
22		100	1	
23		100	1	
24				D
25				D
26				D
27				D
28				D
29		75	0.5	
30				D
31				D
32				D
33				D
34				D
35				D
36				D
37		70		
38		20	0.2	NP
39				D
40				D
41		10	0.2	NP
42		20	0.2	NP
43		70	0.5	NP
44		10	0.2	NP
45				D
46				D
47				D
48		55	0.3	
49				D
50				D
51		80	0.7	
52		80	0.5	
53		80	0.3	
54		91	0.5	
55		110	0.9	
56		110	1.1	
57		110	1	
58		110	1	
59		110	1.2	
60		110	1.1	
61		110	1.2	
62		110	1.2	
63		109	1	
64		109	1	
65		109	1	
66		109	1.2	
67		109	1	
68		109	1	
69		109	1	
70		109	1	
71		109	1	
72		109	1	
73		94	1	
74		94	1	
75		94	1	
76		94	1	
77		94	1	
78		94	1.1	
79		120	2	
80		120	2	

CONFORME:



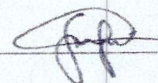
VALIDATION TALLY SHEET

Location: _____

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		120	2	
2		120	2	
3		120	2	
4		120	2	
5		120	2	
6		120	2	
7		120	2	
8		120	2	
9		120	2	
10		120	2	
11		120	2	
12		120	2	
13		116	1.5	
14		116	1.5	
15		116	1.5	
16		99	1	
17		99	1	
18		110	1	
19		110	1.2	
20		110	1	
21		110	1	
22		110	1	
23		110	1.2	
24		110	1.2	
25		110	1.2	
26		99	1	
27		99	1	
28		99	1	
29		99	1	
30		99	1	
31		99	1	
32		99	1	
33		99	1	
34		99	1	
35		99	1	
36		90	1	
37		81	1	
38		81	1	
39		61	0.3	
40		61	0.3	
41		61	0.3	
42				D
43				D
44		51	0.2	
45		76	0.5	
46		76	0.5	
47		76	0.5	
48		76	0.5	
49		91	0.7	
50		100	0.8	
51		80	0.5	
52		80	0.5	
53		72	0.5	
54		72	0.5	
55		31	0.3	D
56		100	0.8	
57				D
58				D
59		100	1.1	
60		100	1.1	
61		95	1	
62		95	1	
63		95	1	
64		95	1	
65		95	1	
66		95	0.8	
67		95	1	
68		95	1	
69		95	1	
70		95	1	
71		95	1	
72		95	1	
73				D
74				D
75				D
76				D
77				D
78				D
79		105	1.1	
80		105	1.1	

CONFORME:



VALIDATION TALLY SHEET

Location: L00C

Date: _____

No.	SPECIES	HEIGHT cm	Diameter cm	Remarks
1		10.5	1	
2				D
3				D
4		10.5	1	
5		10.5	1	
6		10.0	1	
7		10.0	1	
8		10.5	1	
9				D
10				D
11				D
12				D
13		10.5	1.1	
14		10.5	1.1	
15		10.5	2	
16		10.5	2	
17		10.5	2	
18				
19				
20				
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CONFORME:





SKETCH MAP OF THE AREA OF THE MONITORING OF CMEMP ESTABLISHED MANGROVE PLANTATIONS

BARANGAY : TUBIRO
MUNICIPALITY : LUBANG
PROVINCE : OCCIDENTAL MINDORO
CMEMP AREA : 25.31 HECTARES
SAMPLING SITE AREA : 0.69 HECTARE



CERTIFICATION

We hereby certify that this is the correct map through GPS survey of the area of the Monitoring of the CMEMP Established Mangrove Plantations located at Brgy. Tubiro, Lubang, Occidental Mindoro as described herein and other references available in the office.

Prepared by: *[Signature]*
DEANIS E. PERALTA
FI-L GIS Operator

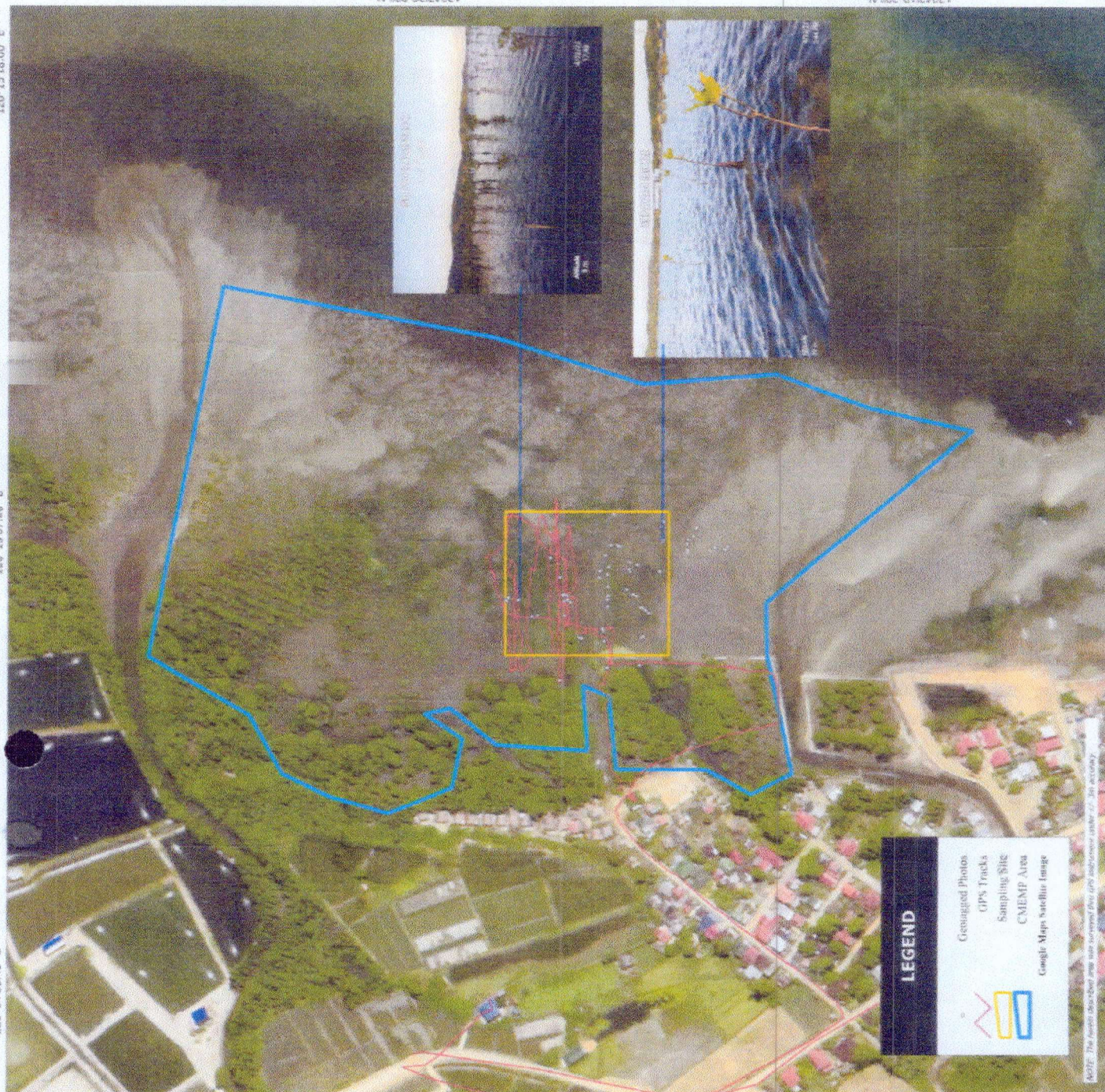
Checked by: *[Signature]*
ALVIN E. SANTO
Supervisor II, Civil, CDS

15

120°15'18.00" E

120°15'07.20" E

120°14'56.40" E



N 00°00'00" E

13°43'19.20" N

120°15'18.00" E

120°15'07.20" E

120°14'56.40" E

SKETCH MAP OF THE AREA OF THE

MONITORING OF

CMEMP ESTABLISHED

MANGROVE PLANTATIONS

LOCATED AT:

BARANGAY : KANLURAN
MUNICIPALITY : LOOC
PROVINCE : OCCIDENTAL MINDORO
CMEMP AREA : 11.79 HECTARES
SAMPLING SITE AREA : 1.12 HECTARE



LOCATION MAP

SCALE : 1:4000

Datum : World Geodetic System 1984 (WGS84)
Coordinate System : Universal Transverse Mercator - Zone 51 (N)



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
MIMAROPA Region IV-B
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
Brgy. Sto. Nilo, Sablayan, Occidental Mindoro

CERTIFICATION

We hereby certify that this is the correct map through GPS survey of the area of the Monitoring of the CMEMP Established Mangrove Plantations located at Brgy. Kanluran, Looc, Occidental Mindoro as described herein.

This map was prepared based from the submitted compilation sketch and other references available in the office.

Prepared by:

DENISE E. PERALTA
FGL GIS Operator

Checked by:

ALVIN E. SANCHEZ
Forest II, Chief, CUS