



Republic of the Philippines
Department of Environment and Natural Resources
FOREST MANAGEMENT BUREAU
Visayas Avenue, Diliman, 1100 Quezon City
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MEMORANDUM

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

ATT'N: The PENR Officer
PENRO Palawan
Brgy. Sta. Monica, Puerto Princesa City, Palawan

The CENR Officer
CENRO Calamianes Islands
Brgy. Poblacion 6, Coron, Palawan

FROM : The OIC Assistant Secretary for Field Operations – Western Mindanao
and Director, in concurrent capacity

SUBJECT : **CLARIFICATION ON THE VALID REFERENCE FOR LAND
APPLICATIONS IN BUSUANGA PASTURE RESERVE (BPR)**

DATE : NOV 06 2023



This has reference to your Memorandum dated 08 September 2023 pertaining to the clarification on the valid reference for land application in Busuanga Pasture Reserve (BPR).

In line with this, we would like to reiterate that pursuant to the ground survey verification conducted in 2015 by the Forest Management Bureau (FMB) in coordination with DENR Community Environment and Natural Resources (CENR) Office Calamianes Islands, and Local Government Units of Coron and Busuanga, the official area coverage adopted for BPR is 37,047.80 hectares. The metes and bounds of which are described as follows:

Tie Point: PLW-2, Luzon 1911, Zone 50N
Northing 1341927.55504 Easting 383964.656593

<u>Line</u>	<u>Bearings</u>	<u>Distance (meter)</u>
PLW-2 to Corner 1	N 11°21'0" W	13,853.387
1-2	N 84°54'6" E	189.57
2-3	S 70°59'54" E	261.6
3-4	S 78°40'54" E	517.961
4-5	S 77°26'54" E	266.33
5-6	S 43°10'54" E	170.65

<u>Line</u>	<u>Bearings</u>	<u>Distance (meter)</u>
6-7	N 77°51'6" E	296.96
7-8	N 60°23'6" E	345.02
8-9	N 28°7'6" E	318.06
9-10	N 41°47'6" E	390.53
10-11	N 83°7'6" E	240.66
11-12	S 54°0'54" E	272.73
12-13	N 89°50'6" E	346.22
13-14	S 69°59'54" E	355.07
14 - 15	S 62°30'54" E	457.43
15-16	S 78°31'54" E	545.741
16-17	N 62°11'6" E	268.6
17-18	N 63°5'6" E	298.85
18-19	S 89°49'54" E	257.97
19-20	N 50°45'6" E	230
20-21	N 51°29'6" E	409.26
21-22	N 76°51'6" E	453.97
22-23	S 40°21'54" E	5010.855
23-24	S 35°17'54" E	2385.462
24-25	S 44°42'54" E	2342.982
25-26	S 82°44'54" E	2107.362
26-27	S 5°4'54" E	728.991
27-28	S 40°26'54" E	864.921
28-29	S 62°44'54" E	906.341
29-30	S 73°34'54" E	1060.191
30-31	S 4°17'6" W	2590.513
31-32	S 19°1'6" W	1784.242
32-33	N 59°13'6" E	2995.523
33-34	N 89°26'54" E	140.076
34-35	S 64°24'54" E	1600.002
35-36	S 83°38'54" E	1603.062
36-37	N 15°16'54" W	785.191
37-38	N 54°8'54" W	1519.842
38-39	N 53°46'54" W	1489.382
39-40	N 18°20'6" E	1037.771
40-41	N 71°10'6" E	219.17
41-42	S 73°12'54" E	229.4
42-43	S 32°4'54" E	166.05
43-44	N 71°24'6" E	248.94
44-45	N 17°45'6" E	343.33
45-46	S 14°52'54" E	388.85
46-47	S 69°37'54" E	225.88

<u>Line</u>	<u>Bearings</u>	<u>Distance (meter)</u>
47-48	S 51°8'54" E	191.78
48-49	N 60°47'6" E	183.17
49-50	N 87°17'6" E	237.97
50-51	S 27°1'54" E	439.42
51-52	S 14°7'54" E	334.71
52-53	S 56°30'54" E	573.651
53-54	N 85°49'6" E	380.68
54-55	S 44°22'54" E	400.98
55-56	S 67°42'54" E	552.611
56-57	S 17°6'54" E	719.821
57-58	S 7°39'54" E	423.91
58-59	N 85°40'6" E	615.571
59-60	S 12°1'54" E	662.181
60-61	N 36°42'6" E	460.2
61-62	S 66°36'54" E	1412.711
62-63	S 28°15'6" W	665.641
63-64	S 64°21'6" W	514.021
64-65	S 50°28'54" E	1067.951
65-66	S 71°51'54" E	589.531
66-67	N 37°10'54" W	1037.271
67-68	N 12°1'6" E	310.99
68-69	S 76°5'54" E	245.43
69-70	S 26°31'54" E	323.65
70-71	N 56°48'6" E	345.88
71-72	S 47°9'54" E	313.62
72-73	S 28°8'54" E	597.591
73-74	N 88°35'6" E	72.24
74-75	S 41°15'54" E	1000.121
75-76	S 49°38'54" E	6103.546
76-77	S 89°47'6" W	2433.582
77- 78	N 53°46'54" W	242.11
78- 79	N 86°41'54" W	1384.971
79-80	N 88°19'54" W	388.06
80-81	N 40°21'54" W	261.77
81-82	N 85°27'54" W	347.68
82-83	N 84°27'54" W	214.66
83-84	S 36°23'54" E	1752.232
84-85	S 7°8'54" E	1707.892
85-86	S 84°34'6" W	1229.961
86-87	S 60°35'6" W	2094.232
87-88	S 63°34'6" W	1771.672

<u>Line</u>	<u>Bearings</u>	<u>Distance (meter)</u>
88-89	S 58°15'6" W	3181.713
89-90	N 86°6'54" W	2396.162
90-91	N 65°29'54" W	4282.954
91-92	N 89°41'54" W	2451.792
92-93	N 40°17'54" W	1666.442
93-94	N 41°26'54" W	3359.473
94-95	N 33°9'54" W	2458.373
95-96	N 86°54'54" W	3321.763
96-97	N 17°59'6" E	3792.574
97-98	N 37°1'6" E	2997.323
98-99	N 63°21'54" W	7143.247
99-100	N 27°10'54" W	2654.623
100-101	N 2°23'54" W	5719.496
101-1	S 85°51'54" E	358.95

Hence, the issuance of land classification status within BPR must be based on the report dated 14 December 2015 pertaining to the conduct of ground survey of BPR perimeter.

FOR INFORMATION AND RECORD, PLEASE.


ARLEIGH J. ADORABLE, CESO III



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E-mail Address: fmbdenr@mozcom.com/Website: http://forestry.denr.gov.ph

MEMORANDUM

FOR : The Director

THRU : The Chief, FIDD *[Signature]*
The Chief, FPPKMD *noted: jh*

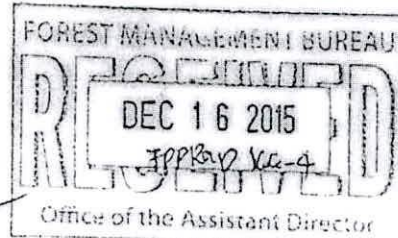
FROM : The Survey Team
FMB Special Order No. 241

SUBJECT : **FINAL REPORT ON THE CONDUCT OF GROUND SURVEY
OF THE BUSUANGA PASTURE RESERVE PERIMETER**

DATE : DEC 14 2015

DOCUMENTS
ATTACHED : Maps, Photographs, Survey notes *F! DP*

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Background

The Busuanga Pasture Reserve (BPR) is located in the heart of Busuanga Main Island established as pasture reserve by virtue of Presidential Proclamation No. 1387 dated February 13, 1975. Based on the said Proclamation, the BPR covers an area of approximately 40, 000 hectares that encompasses nine (9) barangays within the municipality of Busuanga and five (5) Barangays within the municipality of Coron.

In 1975 to 1986, the BPR is being occupied by the Yulo King Ranch (YKR). Among the primary purposes of the corporation was to breed, raise, import, export and deal in cattle and livestock of all kinds. However, on 02 April 1986, the Presidential Commission on Good Government (PCGG) placed YKR under sequestration. Since April 1986 to April 2010, the BPR is under the administration of the PCGG through the Bureau of Animal Industry of the Department of Agriculture.

On May 7, 2010, then President Gloria Macapagal-Arroyo issued Presidential Proclamation No. 2057 which authorized the Philippine Forest Corporation (PFC) for the administration and development of the BPR.

In view of the dissolution of the PFC on November 14, 2013, the administration of the BPR was transferred to the Department of Environment and Natural Resources-Forest Management Bureau (DENR-FMB) pursuant to Presidential Proclamation No. 663.



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Review of available records particularly on the Survey Work Order No. 04-000080, the BPR appears to cover only a total land area of 34,656 hectares, while in Proclamation No. 1387, the area is 40,000 hectares. Thus, the FMB GIS Unit made the re-plotting of the technical descriptions as indicated under Proclamation 1387 using GIS analysis, it come out that the total land area covered by the BPR is 37,048 hectares.

In this regard, a Survey Team was created under FMB Special Order No. 241 to conduct ground Survey of the area covered by the BPR. Pursuant to the said FMB Special Order, a Survey Team was dispatch from September to October 2015.

Methodology:

1. Courtesy call with the CENRO informing him the purpose of the travel;
2. Conduct two separate meetings with the LGUs of Coron and Busuanga which was attended by the concerned respective barangays captains and discussed the purpose of the travel and asked for their support/assistance.
3. Coordination with the National Commission on Indigenous People informing them the purpose of our travel;
4. Procurement, Preparation and production of PVC Stakes reinforced with round bar and filled with concrete mortar to be used on the conduct of the survey;
5. Relocation of the Philippine Reference System established by NAMRIA in the Municipality of Busuanga;
6. Formation of Teams to facilitate conduct of the Ground Survey
7. To easily conduct the survey, the team made a courtesy call with each of the barangay LGU's concerned and ask for guides who has knowledge on the perimeter of BPR
8. Actual relocation and establishment of predetermined and intermediate corners of BPR.

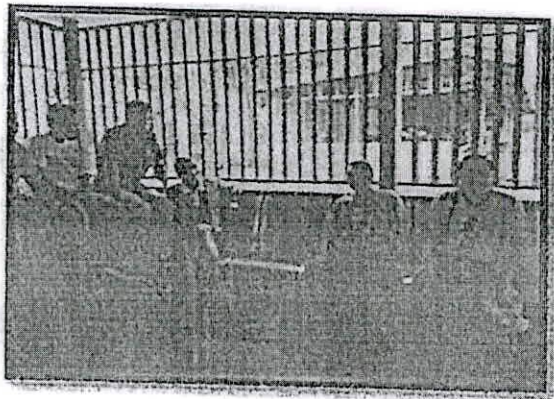
A. Coordination

On September 9, 2015, before the conduct of the actual survey, the survey team made a coordination/meeting with Municipal Planning and Development Council of Coron with the presence of the 5 Barangay Captains within jurisdiction over the areas covered by the BPR namely Decalachao, San Nicolas, Guadalupe, San Jose and Bintuan.

The team discussed the activity and itinerary of the survey and ask for support. The team also requested for the LGU who is familiar in the area to accompany the Team during the relocation of the BPR corners. The team was assured by the barangays the needed support of the team.



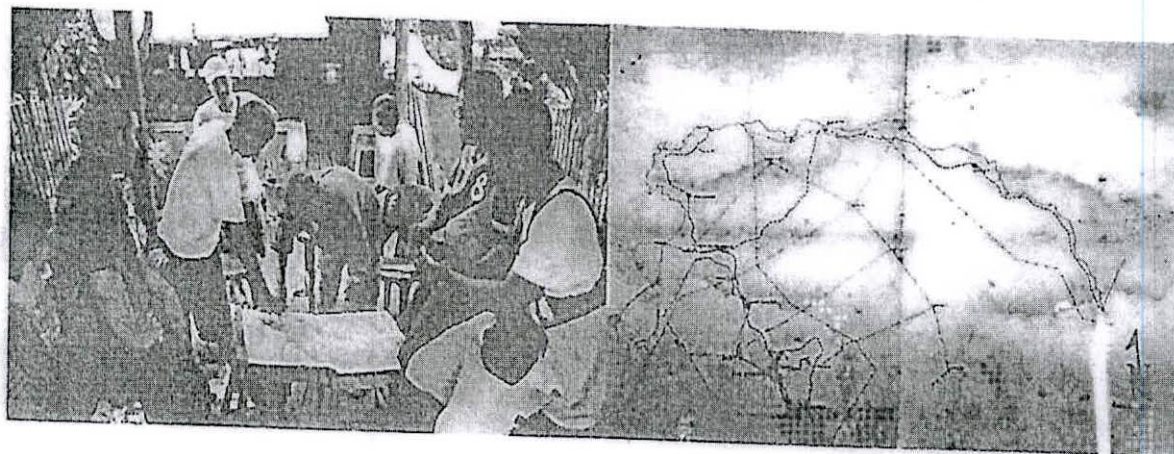
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On the other hand, on September 10, 2015, one Team proceeded to the Municipality of Busuanga and coordinated with the Mayor of Busuanga with regards to the activity. The meeting was attended by all Barangay Captains held in the Municipal hall due to another LGU activity. The team was able to discuss the activity with the barangay captains of Sto niño, Salvacion, Old Busuanga, New Busuanga, Quezon, Concepcion and Cheey. The Team also requested for a person who is familiar to the area to accompany the survey group. The barangay captains pledge support with the activity.

During the survey, the team made a courtesy call to each barangay LGU concerned and ask for representatives who has knowledge on the relative location of the BPR perimeter to serve as our guide in proceeding to the site. Most of the representatives who accompanied the team are Barangay Kagawads.

On October 6-10, 2015, the Survey Team continued the survey works and proceeded to barangay Quezon, Busuanga. The Team made a courtesy call to Brgy. Captain Gaudencio Jagmis of Quezon, Busuanga. He presented to us an old sketch map showing the barangay and the perimeter of BPR. Based on the map showed by Brgy. Captain Jagmis, the perimeter of the BPR is located along the Northern coastline of Quezon, Busuanga, which we have observed that it is not conforming to the technical description as indicated in the approved SWO-04-000080 stipulated in the Presidential Proclamation No.1387.



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Furthermore, the team also coordinated with the chief security personnel of Skyes Aggregates Ventures, Inc. and ask for their assistance, to wit: personnel of the Company to accompany and guide the team at the relative location of the corners of BPR; and dwelling place for the duration of the survey



On October 26 to 31, 2015, the survey Team completed the tasked in the relocation of the remaining corners of the BPR perimeter on portions located in Brgys. of New Busuanga, Buluang, Cheey of the Municipality of Busuanga and Brgy. Bintuan of Coron.

Made courtesy calls with concerned BLGU Officials of our purpose. The Team were divided into two groups. The first group was tasked to finish the survey and monumenting of the remaining unfinished corners located in Brgys. New Busuanga, Buluang, Busuanga and Brgys. Bintuan, Coron while the other group was tasked to finish the survey and monumenting of corners located at Brgy. Cheey, Busuanga and San Jose, Coron.

B. Team Composition

The survey team was divided into two groups. Each team was composed of 2 members from FMB, 2 representatives from CENRO Coron, representatives from BPR-PMO together with the BPR Bantay Gubat, representative from the Barangay LGU and 6 hired Labourers.



C. Actual Survey and Staking/Monumenting

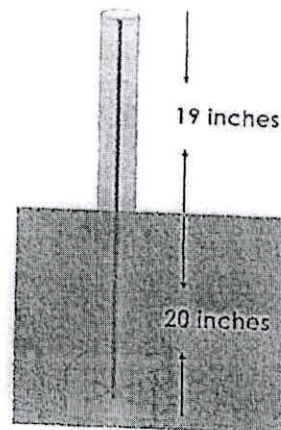
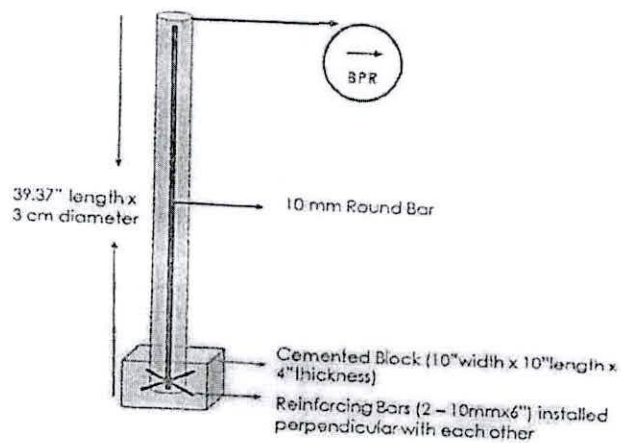
1. The actual conduct of the BPR perimeter survey was based on the Technical description identified on the approved SWO-04-000080 comprising a total of 101 corners which coordinates are stipulated in the Presidential Proclamation No.1387. This includes boundary corners located along coastlines and rivers.

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2. Prior to relocating the BPR corners, a Team was tasked to relocate the position of the nearest Philippine Reference System 1992 (PRS 92) situated in Brgy. Salvacion which was used as tie point for corner 1 of BPR. However, during the relocation of the said tie point, the PRS92 monument installed within the compound of the Busuanga Police Station can never be found, instead the team find a dilapidated bench. According to the Police Officers stationed in the area, informed us that several surveyors also visited the area but they didn't find the PRS92 monument.



3. Hence, in order to save time and effort, the Team decided to use GPS device in the relocation survey of the pre-determined corners of BPR.
4. PVC stake/monument with 3-inch diameter with a length of 39.37 inches (1 meter) was used for staking/monumenting during the survey. The PVC pipes was filled with concrete mortar with 4" x 10" x 10" footing with 10 mm round bar anchor and stiffener reinforcing. Approximately half of the PVC pipe (20 inches) was buried to the ground. (see diagram below). Direction arrow to next corner and BPR sign was engraved on top of the cemented PVC pipe.



PT 401.1 B

5. Two Teams were formed to facilitate accomplishment of the ground survey. Initially, the team concentrated in relocating corners and installing monuments for the BPR perimeter situated in Brgy. Decalachao, San Nicolas, Guadalupe, San Jose and Bintuan of Coron Municipality; and Sto. Niño, Sagrada and Salvacion of Busuanga Municipality. During the second phase of the survey conducted on October 6-10, 2015, the team proceeded and



- installed monuments along the BPR corners located in Brgy. New Busuanga, Buluang, Old Busuanga, and San Rafael, Municipality of Busuanga. On October 26-31, 2015, the team completed the survey activity by relocating the unfinished corners situated in portions of Brgy. New Busuanga, Buluang and Cheey, Busuanga and portion of San Jose and Bintuan, Coron. Intermediate PVC stakes at approximately 100 meters to 200 meters interval were also installed in between corners of the BPR perimeter line particularly on areas occupied by informal settlers for ease of reference and monitoring.
6. Out of the 101 predetermined corners of BPR, Seventy six (76) corners/points were actually relocated, geo-tagged and installed with monuments. Out of the 76 corners, thirty eight (38) is located along the coast line. This corners were verified, taken with geo-reference coordinates and geo-tagged. The other 25 pre-determined corners were not able to accomplish by the Team as these are located in the mid-forest, top ridges, steep slope and thickly vegetated second growth forest.

On the other hand, a total of one hundred twenty intermediate (120) corners/points were established between predetermined points. Most of these corners were established on areas near settlements situated within or adjacent to the perimeter of BPR and flat or grassland areas.

D. Findings/Observations During the Conduct of the Survey

In the conduct of the survey, the following were observed, to wit:

- Per interview with the Brgy. Officials, portions of BPR area are under Comprehensive Agrarian Reform Program (CARP) particularly in San Nicolas, Guadalupe, and Bintuan;
- Settlements and agricultural developments (rice fields and ranch) were observed near and within BPR perimeters situated in Brgy. San Nicolas, San Jose, Guadalupe (Sitio Sta. Monica and Kinse Diaz), Decalachiao and Bintuan of Coron municipality and Sto Niño, New Busuanga, Old Busuanga, Buluang, Quezon and Cheey in Busuanga municipality.

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- Natural monument (e.g. Giant Black boulder) served as reference point were observed and confirmed by Senior Citizens in brgy. San Nicolas as corners of BPR; Meanwhile, according to a certain Mr. Ricardo Pabero an old resident of brgy. Quezon, Busuanga, the corners of the former Yulo King Ranch (YKR) was situated in the ridge adjacent to their home lot.



- Portions of Skyes Aggregate Ventures Inc. (SAVI) perimeter is identical to BPR boundary. However, SAVI perimeter located in the north western part of Brgy. Quezon is outside the surveyed BPR perimeter.
- Based on the old sketch map presented by the Brgy Captain of Quezon, Busuanga, the BPR perimeter is situated relatively near the coastline. However, per verification, it is still quite far from the pre-determined points as described in the approved SWO-04-000080 with a distance of more or less 1 kilometer.
- Interview with people we met residing within and/or adjacent to the BPR, especially the old folks confirmed and pinpointed to the Team the actual BPR corners that made us decide to adopt the pre-determined points as indicated in the approved SWO.
- There are private claimants inside the BPR who accordingly have been issued with titles and tax declarations.
- The team encountered complaint from a certain Jeremias D. Echage who claimed that his mahogany plantation situated in New Busuanga, Busuanga is already outside the perimeter of BPR. However, per our ground survey using GPS devise, the said mahogany plantation is still within the coverage of the BPR.
- Remnants of YKR old post and barb wires are observed in Sitio Lalid, Brgy. Cheey, Busuanga and Brgy. San Jose, Coron. However, the locations of the old post in Cheey is not conforming and far from the predetermined perimeter of BPR, while the remnants in cheey is the same with the predetermined perimeter.
- The team was able to observe a Barangay Boundary Monument No. 75 established by the Lands Management Service of Region 4B situated along the perimeter of BPR.

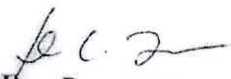
E. Recommendations


Based on the team's findings and observations the team recommends the following to wit:

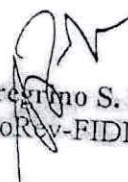
- The BPR-PMO be directed to gather information and to conduct census of informal settlers within the BPR for reference and records purposes.
- The BPR-PMO to coordinate with both the Municipal Planning and Development Council/Assessors Office of Coron and Busuanga to obtain informations regarding extent of CARP areas and Private Titles alledged to be within the BPR;

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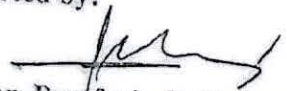
- The BPR-PMO to closely and oftenly monitor the installed stake/monuments and untowards encroachments by informal settlers/intruders therein particularly in portions of the BPR; and
- To be able to know the extent and locations of CARP areas, actual survey and verification of this areas within BPR is recommended.
- BPR-PMO to advise SAVI to legalize their occupation of portion of the BPR area and to submit requirements for the issuance of appropriate tenure instrument by the DENR.
- Immediate fabrication and installation of signages must be done to deter the continuous encroachment of informal settlers and expectators within BPR.
- To adopt the 37,047.80 hectares as the official area coverage of the Busuanga Pasture Reserve as surveyed and ground validated by the Team.



For. Dennis Tacmo
FMS II FoRev-FIDD

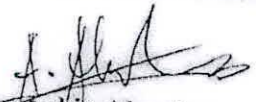

Mr. John Winlove Dadis
Administrative Aide III



For. Peregrino S. Bagunu, Jr.
SFMS FoRev-FIDD

Noted by:


For. Bonifacio R. Rabang
Chief, FGDIS-FPPKMD


For. Leo Baes
RS Tech II FGDIS-FPPKMD


Mr. Arbie Almalvez
Computer Operator FGDIS-FPPKMD


For. Juliet G. Tolentino
Chief, FoRev-FIDD

Appendix A: Field Notes

Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
1	Pre-determined Corner	119° 57' 38.077" E	12° 8' 6.650" N	Salvacion	
1 to 2 Intermediate 1	Intermediate Corner	119° 57' 50.894" E	12° 8' 15.409" N	Salvacion	
2 to 3 Intermediate 1	Intermediate Corner	119° 56' 9.042" E	12° 10' 30.688" N	Old Busuanga	
2 to 3 Intermediate 2	Intermediate Corner	119° 56' 5.722" E	12° 10' 31.764" N	Old Busuanga	
2 to 3 Intermediate 3	Intermediate Corner	119° 55' 30.993" E	12° 10' 48.710" N	Old Busuanga	Grassland to shrubland (old logging road)
2 to 3 Intermediate 4	Intermediate Corner	119° 55' 21.907" E	12° 10' 52.887" N	Old Busuanga	Grassland
4 to 5 Intermediate 1	Intermediate Corner	119° 54' 23.885" E	12° 12' 45.041" N	New Busuanga	Grassland
4 to 5 Intermediate 2	Intermediate Corner	119° 54' 23.403" E	12° 12' 51.237" N	New Busuanga	Along the road
4 to 5 Intermediate 3	Intermediate Corner	119° 54' 23.312" E	12° 12' 52.252" N	New Busuanga	Along the road
4 to 5 Intermediate 4	Intermediate Corner	119° 54' 22.697" E	12° 12' 58.585" N	New Busuanga	Grassland
4 to 5 Intermediate 5	Intermediate Corner	119° 54' 22.841" E	12° 13' 1.912" N	New Busuanga	Grassland
4 to 5 Intermediate 6	Intermediate Corner	119° 54' 22.974" E	12° 13' 4.979" N	New Busuanga	Miscellaneous tree (25 dbh)
4 to 5 Intermediate 7	Intermediate Corner	119° 54' 22.243" E	12° 13' 10.711" N	New Busuanga	Grassland (grassland)
4 to 5 Intermediate 8	Intermediate Corner	119° 54' 22.063" E	12° 13' 14.239" N	New Busuanga	Miscellaneous tree (15 dbh)
4 to 5 Intermediate 9	Intermediate Corner	119° 54' 16.407" E	12° 15' 6.757" N	Buluang	Along the road
4 to 5 Intermediate 10	Intermediate Corner	119° 54' 16.360" E	12° 15' 7.106" N	Buluang	Along the road
8 to 9 Intermediate 1	Intermediate Corner	119° 54' 45.776" E	12° 15' 18.933" N	Quezon	
8 to 9 Intermediate 2	Intermediate Corner	119° 54' 51.590" E	12° 15' 17.587" N	Quezon	Crossing of kawayan river
8 to 9 Intermediate 3	Intermediate Corner	119° 54' 55.874" E	12° 15' 17.169" N	Quezon	
9	Pre-determined Corner	119° 54' 58.527" E	12° 15' 16.539" N	Quezon	Near creek
9 to 10 Intermediate 1	Intermediate Corner	119° 55' 3.218" E	12° 15' 15.387" N	Quezon	
10	Pre-determined Corner	119° 55' 7.088" E	12° 15' 14.724" N	Quezon	
10 to 11 Intermediate 1	Intermediate Corner	119° 55' 9.010" E	12° 15' 12.564" N	Quezon	
11	Pre-determined Corner	119° 55' 10.925" E	12° 15' 10.714" N	Quezon	
11 to 12 Intermediate 1	Intermediate Corner	119° 55' 13.582" E	12° 15' 11.682" N	Quezon	
11 to 12 Intermediate 2	Intermediate Corner	119° 55' 16.743" E	12° 15' 12.053" N	Quezon	Wooded grassland
12	Pre-determined Corner	119° 55' 20.476" E	12° 15' 12.856" N	Quezon	
12 to 13 Intermediate 1	Intermediate Corner	119° 55' 24.450" E	12° 15' 15.063" N	Quezon	Near bamboo
12 to 13 Intermediate 2	Intermediate Corner	119° 55' 27.367" E	12° 15' 16.892" N	Quezon	Near bamboo
13	Pre-determined Corner	119° 55' 30.380" E	12° 15' 18.595" N	Quezon	Wooded grassland
13 to 14 Intermediate 1	Intermediate Corner	119° 55' 32.039" E	12° 15' 21.749" N	Quezon	Shrubland
13 to 14 Intermediate 1	Intermediate Corner	119° 55' 33.483" E	12° 15' 24.413" N	Quezon	Bamboo
14	Pre-determined Corner	119° 55' 35.254" E	12° 15' 27.671" N	Quezon	Bamboo
14 to 15 Intermediate 1	Intermediate Corner	119° 55' 38.764" E	12° 15' 31.520" N	Quezon	Grassland
14 to 15 Intermediate 2	Intermediate Corner	119° 55' 41.383" E	12° 15' 34.803" N	Quezon	
15	Pre-determined Corner	119° 55' 45.028" E	12° 15' 37.219" N	Quezon	
15 to 16 Intermediate 1	Intermediate Corner	119° 55' 45.186" E	12° 15' 38.202" N	Quezon	

9/11/18

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Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
15 to 16 Intermediate 2	Intermediate Corner	119° 55' 45.881" E	12° 15' 37.489" N	Quezon	
16	Pre-determined Corner	119° 55' 51.573" E	12° 15' 38.321" N	Quezon	
16 to 17 Intermediate 1	Intermediate Corner	119° 55' 54.450" E	12° 15' 35.533" N	Quezon	
17	Pre-determined Corner	119° 55' 58.960" E	12° 15' 33.245" N	Quezon	
17 to 18 Intermediate 1	Intermediate Corner	119° 56' 2.351" E	12° 15' 33.594" N	Quezon	
17 to 18 Intermediate 2	Intermediate Corner	119° 56' 6.412" E	12° 15' 33.219" N	Quezon	Grassland
18	Pre-determined Corner	119° 56' 10.394" E	12° 15' 33.277" N	Quezon	Inyam Tree with 20 dbh
18 to 19 Intermediate 1	Intermediate Corner	119° 56' 13.846" E	12° 15' 32.042" N	Quezon	Rice field
18 to 19 Intermediate 2	Intermediate Corner	119° 56' 16.870" E	12° 15' 31.084" N	Quezon	
19	Pre-determined Corner	119° 56' 21.489" E	12° 15' 29.482" N	Quezon	Grassland
19 to 20 Intermediate 1	Intermediate Corner	119° 56' 24.697" E	12° 15' 27.830" N	Quezon	Near creek
21	Pre-determined Corner	119° 56' 52.668" E	12° 15' 19.380" N	Quezon	
21 to 22 Intermediate 1	Intermediate Corner	119° 56' 57.579" E	12° 15' 21.962" N	Quezon	
22	Pre-determined Corner	119° 57' 0.463" E	12° 15' 23.686" N	Quezon	
22 to 23 Intermediate 1	Intermediate Corner	119° 57' 2.961" E	12° 15' 24.784" N	Quezon	Near creek
22 to 23 Intermediate 2	Intermediate Corner	119° 57' 6.277" E	12° 15' 26.422" N	Quezon	
23	Pre-determined Corner	119° 57' 9.261" E	12° 15' 28.143" N	Quezon	
23 to 24 Intermediate 1	Intermediate Corner	119° 57' 14.186" E	12° 15' 28.215" N	Quezon	
23 to 24 Intermediate 2	Intermediate Corner	119° 57' 16.950" E	12° 15' 28.068" N	Quezon	
24	Pre-determined Corner	119° 57' 17.804" E	12° 15' 28.150" N	Quezon	
24 to 25 Intermediate 1	Intermediate Corner	119° 57' 21.296" E	12° 15' 31.459" N	Quezon	
25	Pre-determined Corner	119° 57' 23.531" E	12° 15' 32.989" N	Quezon	
25 to 26 Intermediate 1	Intermediate Corner	119° 57' 27.110" E	12° 15' 36.481" N	Quezon	
25 to 26 Intermediate 2	Intermediate Corner	119° 57' 29.288" E	12° 15' 37.468" N	Quezon	
25 to 26 Intermediate 3	Intermediate Corner	119° 57' 31.872" E	12° 15' 39.642" N	Quezon	
26	Pre-determined Corner	119° 57' 34.083" E	12° 15' 41.500" N	Quezon	With fence
26 to 27 Intermediate 1	Intermediate Corner	119° 57' 37.337" E	12° 15' 42.040" N	Quezon	
26 to 27 Intermediate 2	Intermediate Corner	119° 57' 42.111" E	12° 15' 43.106" N	Quezon	
26 to 27 Intermediate 3	Intermediate Corner	119° 57' 45.293" E	12° 15' 44.323" N	Quezon	
26 to 27 Intermediate 4	Intermediate Corner	119° 57' 46.794" E	12° 15' 44.363" N	Quezon	
27	Pre-determined Corner	119° 57' 48.778" E	12° 15' 45.529" N	Quezon	
27 to 28 Intermediate 1	Intermediate Corner	119° 57' 50.755" E	12° 15' 42.365" N	Quezon	
27 to 28 Intermediate 2	Intermediate Corner	119° 58' 19.252" E	12° 15' 10.528" N	Quezon	Near fence
27 to 28 Intermediate 2	Intermediate Corner	119° 57' 55.535" E	12° 15' 37.090" N	Quezon	
27 to 28 Intermediate 4	Intermediate Corner	119° 58' 19.922" E	12° 15' 10.448" N	Quezon	Near fence
28 to 29 Intermediate 1	Intermediate Corner	119° 59' 47.910" E	12° 13' 27.651" N	Cheey	Old road
28 to 29 Intermediate 2	Intermediate Corner	119° 59' 50.750" E	12° 13' 23.547" N	Cheey	Rice field (owner Magallanes)
28 to 29 Intermediate 3	Intermediate Corner	119° 59' 55.247" E	12° 13' 17.499" N	Cheey	Trail
28 to 29 Intermediate 4	Intermediate Corner	120° 0' 13.117" E	12° 12' 53.726" N	Cheey	Vacated house with fence

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Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
28 to 29 Intermediate 5	Intermediate Corner	120° 0' 14.410" E	12° 12' 51.743" N	Cheey	
28 to 29 Intermediate 6	Intermediate Corner	120° 0' 15.584" E	12° 12' 48.441" N	Cheey	
28 to 29 Intermediate 7	Intermediate Corner	120° 0' 19.695" E	12° 12' 44.150" N	Cheey	Near ricefield
29	Pre-determined Corner	120° 0' 23.669" E	12° 12' 39.153" N	Cheey	
34	Pre-determined Corner	120° 3' 15.887" E	12° 10' 39.643" N	Cheey	
34 to 35 Intermediate 1	Intermediate Corner	120° 3' 33.829" E	12° 10' 34.099" N	San Jose	
35	Pre-determined Corner	120° 3' 46.857" E	12° 10' 29.448" N	San Jose	
35 to 36 Intermediate 1	Intermediate Corner	120° 3' 49.543" E	12° 10' 30.413" N	San Jose	
35 to 36 Intermediate 2	Intermediate Corner	120° 3' 49.943" E	12° 10' 26.946" N	San Jose	
35 to 36 Intermediate 3	Intermediate Corner	120° 3' 47.952" E	12° 10' 22.917" N	San Jose	
35 to 36 Intermediate 4	Intermediate Corner	120° 3' 47.271" E	12° 10' 20.887" N	San Jose	
35 to 36 Intermediate 5	Intermediate Corner	120° 3' 47.405" E	12° 10' 17.632" N	San Jose	
35 to 36 Intermediate 6	Intermediate Corner	120° 3' 47.430" E	12° 10' 16.980" N	San Jose	Mangkono with old fence of YKR
35 to 36 Intermediate 7	Intermediate Corner	120° 3' 47.243" E	12° 10' 13.715" N	San Jose	
35 to 36 Intermediate 8	Intermediate Corner	120° 3' 47.268" E	12° 10' 8.901" N	San Jose	Near trail and fence
35 to 36 Intermediate 9	Intermediate Corner	120° 3' 46.958" E	12° 10' 5.535" N	San Jose	Barangay Boundary Monument 75
35 to 36 Intermediate 10	Intermediate Corner	120° 3' 44.993" E	12° 10' 1.989" N	San Jose	Near a house
36	Pre-determined Corner	120° 3' 44.359" E	12° 9' 6.005" N	Decalachiao	
37 to 38 Intermediate 1	Intermediate Corner	120° 3' 45.425" E	12° 8' 23.583" N	Decalachiao	
37 to 38 Intermediate 2	Intermediate Corner	120° 3' 56.776" E	12° 8' 30.957" N	Decalachiao	
37 to 38 Intermediate 3	Intermediate Corner	120° 4' 38.878" E	12° 8' 56.101" N	Decalachiao	
37 to 38 Intermediate 4	Intermediate Corner	120° 4' 45.311" E	12° 8' 58.855" N	Decalachiao	
38	Pre-determined Corner	120° 4' 49.995" E	12° 9' 1.988" N	Decalachiao	
39	Pre-determined Corner	120° 4' 54.412" E	12° 9' 1.610" N	Decalachiao	
39 to 40 Intermediate 1	Intermediate Corner	120° 5' 0.888" E	12° 8' 58.755" N	Decalachiao	
40	Pre-determined Corner	120° 5' 42.072" E	12° 8' 40.448" N	Decalachiao	
40 to 41 Intermediate 1	Intermediate Corner	120° 6' 20.556" E	12° 8' 36.001" N	Decalachiao	
40 to 41 Intermediate 2	Intermediate Corner	120° 6' 21.874" E	12° 8' 35.760" N	Decalachiao	
40 to 41 Intermediate 3	Intermediate Corner	120° 6' 27.619" E	12° 8' 34.745" N	Decalachiao	
41	Pre-determined Corner	120° 6' 34.445" E	12° 8' 34.050" N	Decalachiao	Near Pangawaran river
43	Pre-determined Corner	120° 5' 47.135" E	12° 9' 27.954" N	Decalachiao	Coastal area
44	Pre-determined Corner	120° 5' 7.114" E	12° 9' 56.149" N	Decalachiao	Coastal area
45	Pre-determined Corner	120° 5' 17.553" E	12° 10' 28.293" N	Decalachiao	Coastal area
46	Pre-determined Corner	120° 5' 24.383" E	12° 10' 30.666" N	Decalachiao	Coastal area
47	Pre-determined Corner	120° 5' 31.665" E	12° 10' 28.589" N	Decalachiao	Coastal area
48	Pre-determined Corner	120° 5' 34.630" E	12° 10' 24.045" N	Decalachiao	Coastal area
49	Pre-determined Corner	120° 5' 42.399" E	12° 10' 26.709" N	Decalachiao	Coastal area
50	Pre-determined Corner	120° 5' 45.742" E	12° 10' 37.377" N	Decalachiao	Coastal area
51	Pre-determined Corner	120° 5' 49.176" E	12° 10' 25.193" N	Decalachiao	Coastal area

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Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
52	Pre-determined Corner	120° 5' 56.202" E	12° 10' 22.710" N	Decalachiao	Coastal area
53	Pre-determined Corner	120° 6' 1.181" E	12° 10' 18.850" N	Decalachiao	Coastal area
54	Pre-determined Corner	120° 6' 6.432" E	12° 10' 21.813" N	Decalachiao	Coastal area
55	Pre-determined Corner	120° 6' 14.284" E	12° 10' 22.262" N	Decalachiao	Coastal area
56	Pre-determined Corner	120° 6' 21.023" E	12° 10' 9.604" N	Decalachiao	Coastal area
57	Pre-determined Corner	120° 6' 23.838" E	12° 9' 59.079" N	Decalachiao	Coastal area
58	Pre-determined Corner	120° 6' 39.761" E	12° 9' 48.954" N	Decalachiao	Coastal area
59	Pre-determined Corner	120° 6' 52.298" E	12° 9' 49.988" N	Decalachiao	Coastal area
60	Pre-determined Corner	120° 7' 1.667" E	12° 9' 40.766" N	Decalachiao	Coastal area
61	Pre-determined Corner	120° 7' 18.639" E	12° 9' 34.129" N	Decalachiao	Coastal area
62	Pre-determined Corner	120° 7' 25.881" E	12° 9' 11.833" N	Decalachiao	Coastal area
63	Pre-determined Corner	120° 7' 27.897" E	12° 8' 58.191" N	Decalachiao	Coastal area
64	Pre-determined Corner	120° 7' 48.033" E	12° 8' 57.535" N	Decalachiao	Coastal area
65	Pre-determined Corner	120° 7' 52.953" E	12° 8' 38.903" N	Decalachiao	Coastal area
66	Pre-determined Corner	120° 8' 0.625" E	12° 8' 51.357" N	Decalachiao	Coastal area
67	Pre-determined Corner	120° 8' 46.122" E	12° 8' 30.728" N	Decalachiao	Coastal area
68	Pre-determined Corner	120° 8' 37.547" E	12° 8' 14.505" N	Decalachiao	Coastal area
69	Pre-determined Corner	120° 8' 19.515" E	12° 8' 6.639" N	Decalachiao	Coastal area
70	Pre-determined Corner	120° 8' 46.166" E	12° 7' 44.083" N	Decalachiao	Coastal area
71	Pre-determined Corner	120° 9' 5.710" E	12° 7' 38.848" N	Decalachiao	Coastal area
72	Pre-determined Corner	120° 8' 43.347" E	12° 8' 6.909" N	Decalachiao	Coastal area
73	Pre-determined Corner	120° 8' 47.998" E	12° 8' 13.800" N	Decalachiao	Coastal area
74	Pre-determined Corner	120° 8' 52.991" E	12° 8' 11.956" N	Decalachiao	Coastal area
75	Pre-determined Corner	120° 8' 59.355" E	12° 8' 4.418" N	Decalachiao	Coastal area
76	Pre-determined Corner	120° 9' 8.493" E	12° 8' 10.675" N	Decalachiao	Coastal area
77	Pre-determined Corner	120° 9' 16.708" E	12° 8' 1.872" N	Decalachiao	Coastal area
78	Pre-determined Corner	120° 9' 26.853" E	12° 7' 43.439" N	Decalachiao	Coastal area
79	Pre-determined Corner	120° 9' 28.491" E	12° 7' 44.933" N	Decalachiao	Coastal area
80	Pre-determined Corner	120° 9' 48.205" E	12° 7' 22.126" N	Decalachiao	Coastal area
80 to 81 Intermediate 1	Intermediate Corner	120° 12' 6.604" E	12° 5' 29.655" N	San Nicholas	
80 to 81 Intermediate 2	Intermediate Corner	120° 12' 11.626" E	12° 5' 25.313" N	San Nicholas	
80 to 81 Intermediate 3	Intermediate Corner	120° 12' 15.150" E	12° 5' 22.728" N	San Nicholas	
81	Pre-determined Corner	120° 12' 25.622" E	12° 5' 16.025" N	San Nicholas	
81 to 82 Intermediate 1	Intermediate Corner	120° 11' 55.714" E	12° 5' 14.271" N	San Nicholas	
81 to 82 Intermediate 2	Intermediate Corner	120° 11' 33.682" E	12° 5' 16.575" N	San Nicholas	
81 to 82 Intermediate 3	Intermediate Corner	120° 11' 27.068" E	12° 5' 14.120" N	San Nicholas	
81 to 82 Intermediate 4	Intermediate Corner	120° 11' 18.472" E	12° 5' 14.411" N	San Nicholas	
82	Pre-determined Corner	120° 11' 4.821" E	12° 5' 14.822" N	San Nicholas	
83	Pre-determined Corner	120° 10' 58.657" E	12° 5' 19.167" N	San Nicholas	

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Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
83 to 84 Intermediate 1	Intermediate Corner	120° 10' 52.087" E	12° 5' 20.906" N	San Nicholas	
84	Pre-determined Corner	120° 10' 12.984" E	12° 5' 21.302" N	San Nicholas	
85	Pre-determined Corner	120° 10' 0.096" E	12° 5' 21.543" N	San Nicholas	
86	Pre-determined Corner	120° 9' 54.465" E	12° 5' 27.966" N	San Nicholas	
88 to 89 Intermediate 1	Intermediate Corner	120° 9' 47.471" E	12° 5' 11.405" N	San Nicholas	
88 to 89 Intermediate 2	Intermediate Corner	120° 9' 58.231" E	12° 4' 55.956" N	San Nicholas	
91	Pre-determined Corner	120° 9' 37.885" E	12° 3' 44.585" N	Guadalupe	
91 to 92 Intermediate 1	Intermediate Corner	120° 9' 29.547" E	12° 3' 41.352" N	Guadalupe	
91 to 92 Intermediate 2	Intermediate Corner	120° 9' 25.954" E	12° 3' 39.703" N	Guadalupe	
91 to 92 Intermediate 3	Intermediate Corner	120° 9' 20.792" E	12° 3' 36.995" N	Guadalupe	
92 to 93 Intermediate 1	Intermediate Corner	120° 8' 24.103" E	12° 3' 6.206" N	Guadalupe	
92 to 93 Intermediate 2	Intermediate Corner	120° 8' 22.681" E	12° 3' 4.463" N	Guadalupe	
92 to 93 Intermediate 3	Intermediate Corner	120° 8' 19.761" E	12° 3' 2.119" N	Guadalupe	
92 to 93 Intermediate 4	Intermediate Corner	120° 8' 15.071" E	12° 2' 59.574" N	Guadalupe	
92 to 93 Intermediate 5	Intermediate Corner	120° 8' 10.819" E	12° 2' 57.212" N	Guadalupe	
92 to 93 Intermediate 6	Intermediate Corner	120° 7' 51.804" E	12° 2' 47.722" N	Guadalupe	
92 to 93 Intermediate 7	Intermediate Corner	120° 7' 49.582" E	12° 2' 46.343" N	Guadalupe	
93	Pre-determined Corner	120° 7' 45.821" E	12° 2' 44.277" N	Guadalupe	
93 to 94 Intermediate 1	Intermediate Corner	120° 7' 43.383" E	12° 2' 43.063" N	Guadalupe	
93 to 94 Intermediate 2	Intermediate Corner	120° 7' 33.501" E	12° 2' 37.252" N	Guadalupe	
93 to 94 Intermediate 3	Intermediate Corner	120° 7' 30.358" E	12° 2' 35.575" N	Guadalupe	
93 to 94 Intermediate 4	Intermediate Corner	120° 7' 26.391" E	12° 2' 33.166" N	Guadalupe	
93 to 94 Intermediate 5	Intermediate Corner	120° 7' 23.162" E	12° 2' 31.200" N	Guadalupe	
93 to 94 Intermediate 6	Intermediate Corner	120° 7' 20.228" E	12° 2' 30.365" N	Guadalupe	
93 to 94 Intermediate 7	Intermediate Corner	120° 7' 4.169" E	12° 2' 19.464" N	Guadalupe	
93 to 94 Intermediate 8	Intermediate Corner	120° 7' 0.871" E	12° 2' 17.177" N	Guadalupe	
93 to 94 Intermediate 9	Intermediate Corner	120° 6' 44.207" E	12° 2' 6.686" N	Bintuan	Grassland
93 to 94 Intermediate 10	Intermediate Corner	120° 6' 40.862" E	12° 2' 4.656" N	Bintuan	Grassland (CARP Area)
93 to 94 Intermediate 11	Intermediate Corner	120° 6' 38.004" E	12° 2' 2.845" N	Bintuan	Creek
93 to 94 Intermediate 12	Intermediate Corner	120° 6' 36.330" E	12° 2' 2.157" N	Bintuan	Grassland (bintang nw5m 30)
95 to 96 Intermediate 1	Intermediate Corner	120° 3' 36.708" E	12° 2' 27.840" N	Bintuan	Grassland near creek 10m north east
95 to 96 Intermediate 2	Intermediate Corner	120° 3' 29.810" E	12° 2' 31.293" N	Bintuan	Sinumpitan river due east 3m
97	Pre-determined Corner	120° 1' 27.684" E	12° 2' 49.358" N	Sto. Niño	
97 to 98 Intermediate 1	Intermediate Corner	120° 1' 25.758" E	12° 2' 52.285" N	Sto. Niño	
97 to 98 Intermediate 2	Intermediate Corner	120° 1' 22.446" E	12° 2' 58.348" N	Sto. Niño	
97 to 98 Intermediate 3	Intermediate Corner	120° 1' 16.423" E	12° 3' 2.823" N	Sto. Niño	
97 to 98 Intermediate 4	Intermediate Corner	120° 1' 1.152" E	12° 3' 17.443" N	Sto. Niño	
97 to 98 Intermediate 5	Intermediate Corner	120° 0' 59.146" E	12° 3' 18.516" N	Sto. Niño	
99	Pre-determined Corner	119° 59' 33.944" E	12° 4' 55.730" N	Sagrada	

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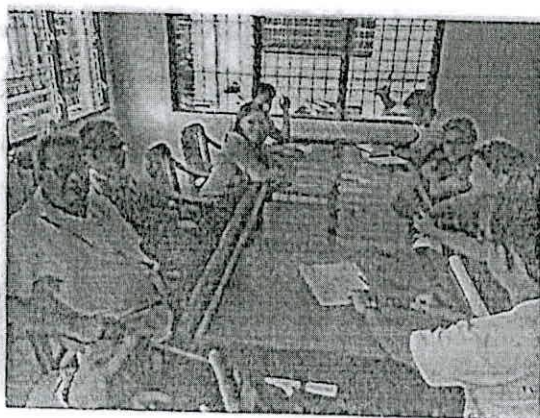
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Corner Name	Corner Type	Longitude	Latitude	Barangay	Comment
99 to 100 Intermediate 1	Intermediate Corner	119° 58' 56.965" E	12° 5' 51.029" N	Sagrada	
100	Pre-determined Corner	119° 58' 52.073" E	12° 5' 57.902" N	Sagrada	
100 to 101 Intermediate 1	Intermediate Corner	119° 58' 37.478" E	12° 5' 58.374" N	Sagrada	

Handwritten signature/initials: *K. AT 9 N7*

Annex B: Photo Documentation

A. Coordination/meetings with LGU's



Meeting with MPDC and Brgy. Captain of
Coron



Courtesy call and meeting with the
Mayor of Busuanga Municipality



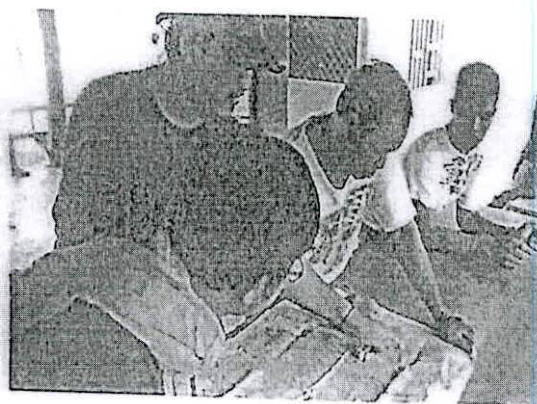
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Brgy. Quezon, Busuanga



Brgy. Bintuan, Coron

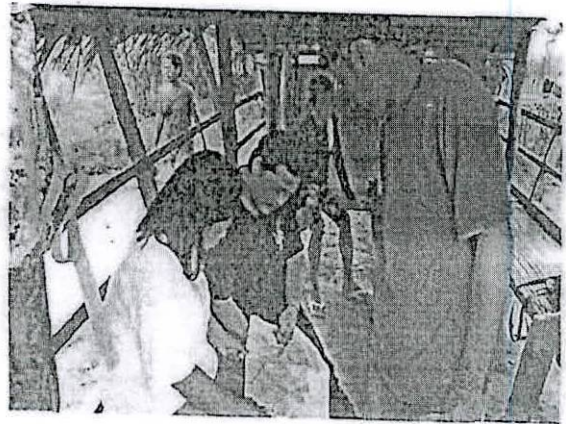


Brgy. Buluang, Busuanga

Coordination/meetings with LGU's



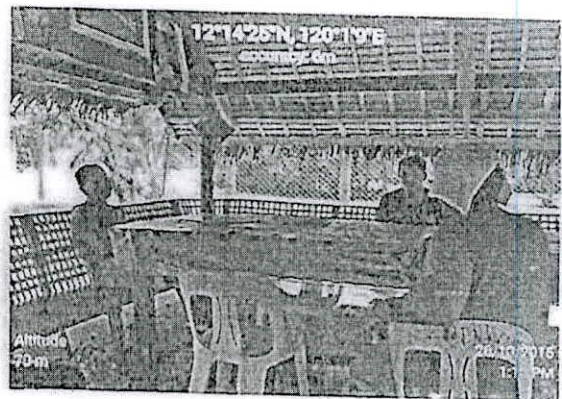
Brgy. San Rafael, Busuanga



Brgy. New Busuanga, Busuanga



Brgy. San Jose, Coron



Brgy. Cheey, Busuanga



Brgy. Salvacion, Coron

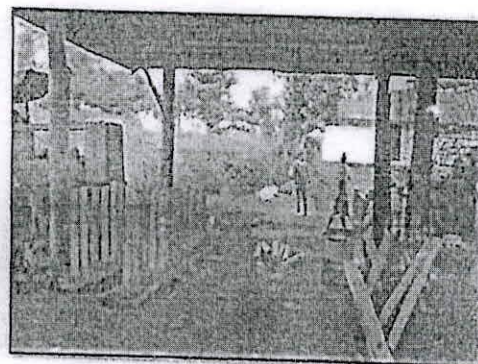
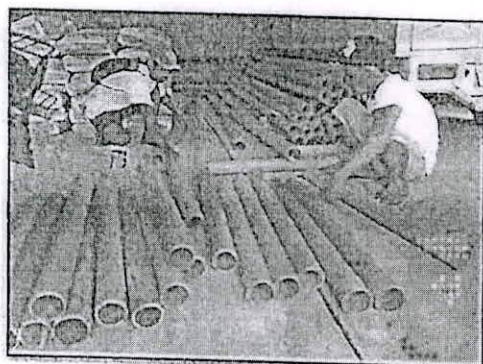
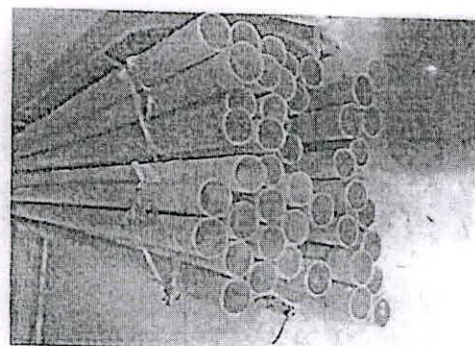
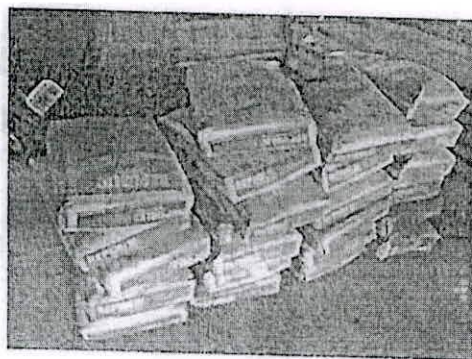


Brgy. San Nicolas, Coron

B. Coordination/meetings with NCIP

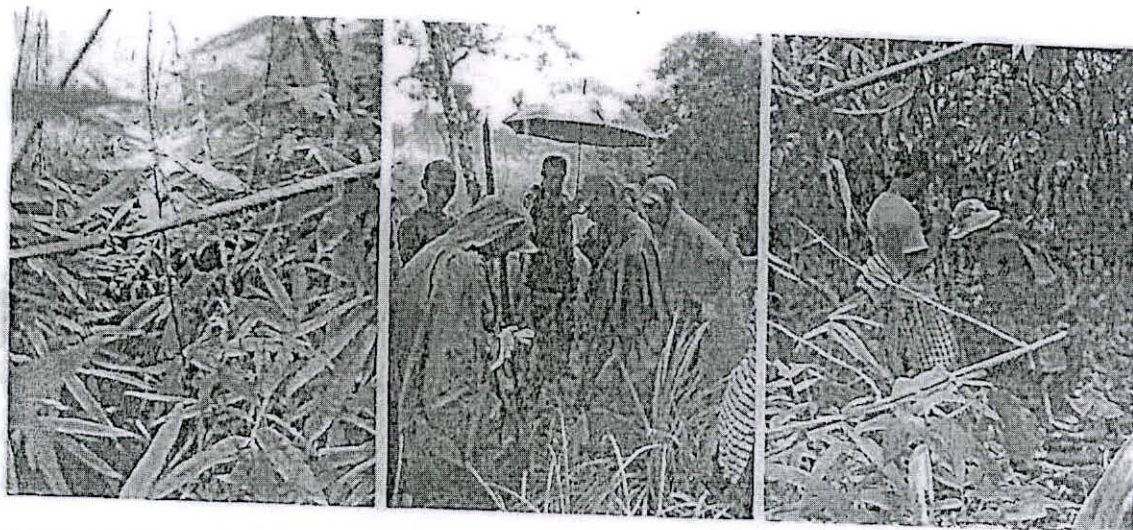


C. Procurement and Fabrication of PVC pipes filled with Concrete Cement

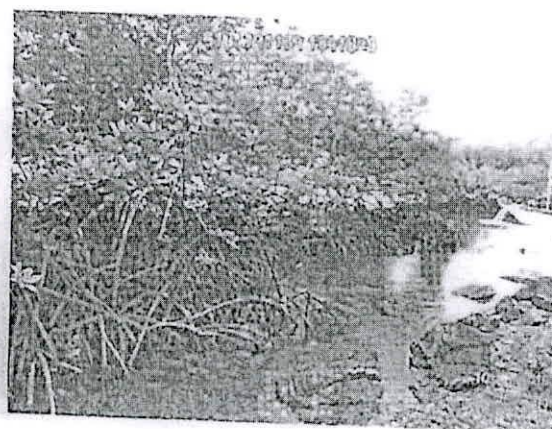
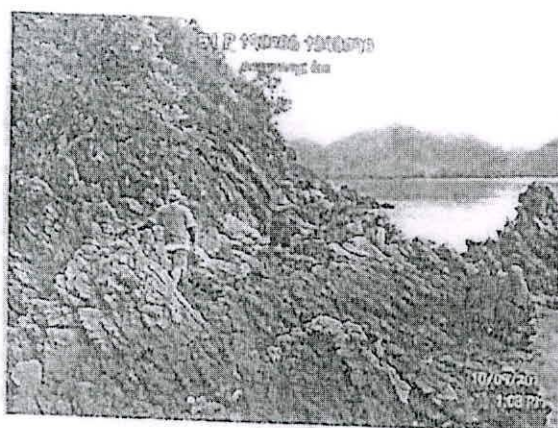


Fabrication was done initially in CENRO Coron (Left) and it was continued in BAI Motorpool (Right)

D. Relocation of Pre-determined corners



Snapshots of the survey team while relocating and establishing the corners of BPR.

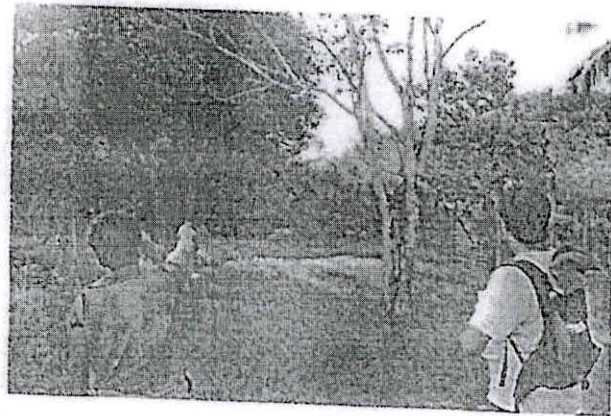


Geotagging and ground verification of BPR perimeter located along the coastal and mangrove area of Brgy. Decalacho.

Relocation of Pre-determined corners



GPS Waypoint averaging was done to minimize errors or get a good sample data of the relocated corners of BPR



Natural features such as this large boulder of black rock (left) and the ridge of the mountain as pointed by a resident in Brgy. Quezon (Right) are used as corners for the former YKR.



From left: 1) the team headed by For. Bagunu passed by an established Barangay boundary monument located along the perimeter of BPR in Brgy. San Jose; 2) Old barbed wires allegedly used for the former YKR boundary also situated along the perimeter of BPR; 3) Old ranch post located in Sitio Ialid, Brgy. Cheey Busuanga, this post is approximately 100 meters away from the predetermined perimeter of BPR.

E. Staking/monumenting of relocated corners and intermediate points



Hauling of Cemented PVC pipes, sand and cement for the footing using carabao in Brgy. Cheey, Busuanga.



Directional arrow and BPR sign was engraved on top of the cemented PVC pipes



Spray paints was also use on paved roads to indicate the perimeter of BPR

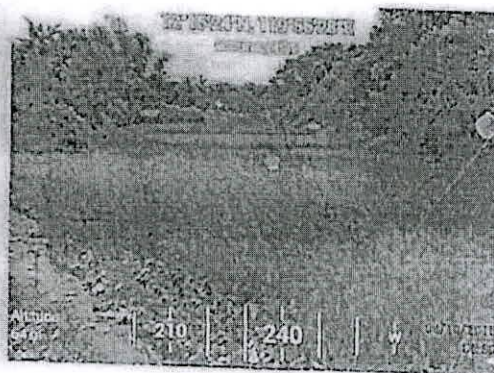


Hired laborers and CENRO bantay gubat also help the survey team in installing the monuments of the BPR corners

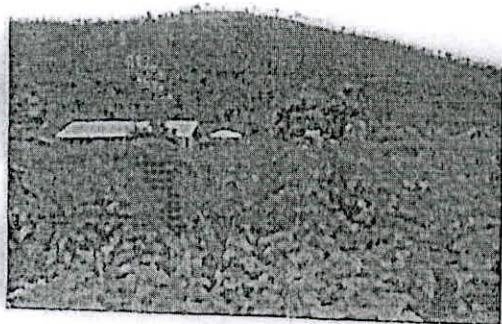
F. Observed settlements within or adjacent to the BPR Perimeter



Rice fields in Buluang,
Busuanga



Concrete houses situated in Brgy. Decalach'ao, Coron



Informal settlers in So. Amaha,
Brgy Quezon, Busuanga Brgy.
Decalach'ao, Coron



Old residents in Brgy. Quezon,
Busuanga