### MALACAÑANG MANILA

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## BY THE PRESIDENT OF THE PHILIPPINES

#### PROCLAMATION NO. 442

DECLARING THE SAMAR ISLAND FOREST RESERVE ESTABLISHED UNDER PRESIDENTIAL PROCLAMATION NO. 744 BY PRESIDENT FIDEL V. RAMOS IN FEBRUARY 1996. SITUATED IN THE MUNICIPALITIES OF BASEY, CALBIGA, CATBALOGAN, GANDARA. HINABANGAN, JIABONG, MARABUT, MATUGUINAO. MOTIONG. PARANAS, SAN JORGE, SAN JOSE DE BUAN, PINABACDAO, AND CITY OF CALBAYOG, IN THE PROVINCE OF SAMAR: ARTECHE, BALANGIGA, BALANGKAYAN, BORONGAN, CAN-AVID, DOLORES, GEN. MACARTHUR, GIPORLOS, HERNANI, JIPAPAD, LAWAAN, LLORENTE, MASLOG, MAYDOLONG, ORAS, QUINAPONDAN, SAN JULIAN, SULAT, AND TAFT, IN THE PROVINCE OF EASTERN SAMAR; CATUBIG, LAS NAVAS, LOPE DE VEGA, MONDRAGON. AND SILVING LUBOS IN THE PROVINCE OF NORTHERN SAMAR, ISLAND OF SAMAR AS A PROTECTED AREA AND ITS PERIPHERAL AREAS AS BUFFER ZONE PURSUANT TO REPUBLIC ACT NO. 7586 (NIPAS ACT OF 1992), AND SHALL BE KNOWN AS THE SAMAR **ISLAND NATURAL PARK (SINP).** 

WHEREAS, it is the policy of the State to secure for the Filipino people of present and future generations the perpetual existence of all native plants and animals through the establishment of a comprehensive system of integrated protected areas within the classification of national park as provided for in the Constitution:

WHEREAS, the three provinces in Samar Island have suffered and sustained extensive damages to life and property caused by devastating flashfloods and landslides:

**WHEREAS**, in 1989, due to public outcry, the Government suspended all logging operations within Samar Island;

WHEREAS, in 1996, after identifying that the rapacious exploitation and massive extraction of natural resources within the forests of Samar Island were the primary causes of the catastrophic calamities which resulted in unwarranted loss of human lives and misery to thousands of Samarenos due to soil erosion





and floodings, then President Fidel V. Ramos issued Presidential Proclamation 744, declaring the remaining forests in the three provinces of Samar Island as the Samar Island Forest Reserve (SIFR);

WHEREAS, being agriculturally-dependent, the life and survival of the Samarenos are intertwined with the fertility of their soil and the richness of their natural resources;

WHEREAS, the upliftment of the lives of Samarenos and their delivery from poverty can only be achieved through a more equitable use of and access to Samar Island's natural resources within the principle of sustainable development;

WHEREAS, in order to ensure the conservation and long-term protection of forest biological diversity while at the same time providing for the sustainable use and flow of forest products, biological resources and services to meet local community and national needs, there is an urgent necessity to establish the SIFR as a NIPAS protected area.

NOW, THEREFORE, upon the recommendation of the Secretary of Environment and Natural Resources (DENR) and pursuant to the powers vested upon me by law, I, GLORIA MACAPAGAL-ARROYO, President of the Philippines, do hereby set aside and declare the Samar Island Forest Reserve situated in the Municipalities of Basey, Calbiga, Catbalogan, Gandara, Hinabangan, Jiabong, Marabut, Matuguinao, Motiong, Paranas, San Jorge, San Jose de Buan, Pinabacdao, and the City of Calbayog, in the Province of Samar; the Municipalities of Arteche, Balangiga, Balangkayan, Borongan, Can-Avid, Dolores, Gen. Mac Arthur, Giporlos, Hernani, Jipapad, Lawaan. Llorente, Maslog, Maydolong, Oras, Quinapondan, San Julian, Sulat and Taft, in the Province of Eastern Samar, and the Municipalities of Catubig, Las Navas, Lope de Vega, Mondragon and Silvino Lubos in the Province of Northern Samar, all within the Island of Samar as a Protected Area under the category of Natural Park and shall be known as the SAMAR ISLAND NATURAL PARK (SINP). The SAMAR ISLAND NATURAL PARK protected area and its buffer zone shall cover areas within the following metes and bounds:

The Samar Island Natural Park begins at a point marked "1" on the map, which is located at 11°49'44" North Latitude and 125°16'07" East longitude with bearing and distance to the second and succeeding points as follows:

Tie point is at corner 1 located at 11°49'44" North Latitude and125°16'07" East Longitude,





# Center of Canhagimit Bridge

|        |     | _                   |   |                       |
|--------|-----|---------------------|---|-----------------------|
| Corner | N/S | Bearing Deg Min E/V | Distance<br>V (Meters)                      | LOCATION              |
| 1      | S   | 2 35 E              | 2,091.25                                    | A point on the ground |
|        | S   | 67 10 W             |   | A point on the ground |
| 2<br>3 | N   | 54 4 W              |   | A point on the ground |
| 4      | N   | 44 32 E             | 2,504.02                                    | A point on the ground |
| 5      | N   | 35 27 W             |   | A point on the ground |
| 6      | S   | 66 1 W              | •   | A point on the ground |
| 7      | N   | 3 52 E              | 3,079.76                                    | A point on the ground |
| 8      | S   | 39 37 W             |   | A point on the ground |
| 9      | S   | 13 9 W              |   | A point on the ground |
| 10     | S   | 62 26 E             | •   | A point on the ground |
| 11     | S   | 80 37 W             |   | A point on the ground |
| 12     | Ν   | 49 55 W             |   | A point on the ground |
| 13     | S   | 27 42 W             |   | A point on the ground |
| 14     | S   | 20 18 E             |   | A point on the ground |
| 15     | Ν   | 42 46 E             |   | A point on the ground |
| 16     | S   | 8 23 E              |   | A point on the ground |
| 17     | N   | 55 7 E              |   | A point on the ground |
| 18     | S   | 3 50 W              |   | A point on the ground |
| 19     | N   | 46 31 E             |   | A point on the ground |
| 20     | S   | 70 38 E             |   | A point on the ground |
| 21     | S   | 0 33 W              |   | A point on the ground |
| 22     | S   | 65 56 W             |   | A point on the ground |
| 23     | S   | 61 7 W              | •   | A point on the ground |
| 24     | S   | 38 33 W             |   | A point on the ground |
| 25     | S   | 13 7 E              |   | A point on the ground |
| 26     | S   | 43 14 W             | •   | A point on the ground |
| 27     | Ν   | 15 31 W             |   | A point on the ground |
| 28     | Ν   | 75 26 W             |   | A point on the ground |
| 29     | N   | 46 42 W             |   | A point on the ground |
| 30     | Ν   | 66 21 W             |   | A point on the ground |
| 31     | S   |                     | 1,679.00                                    | A point on the ground |
| 32     | S   | 26 13 V             |   | A point on the ground |
| 33     | S   | 67 36 E             |   | A point on the ground |
| 34     | S   | 69 15 V             |   | A point on the ground |
| 35     | N   | 20 35 V             |   | A point on the ground |
| 36     | S   | 72 76 V             |   | A point on the ground |
| 37     | S   | 34 26 V             |   | A point on the ground |
| 38     | S   | 85 47 V             | かまごも くんごう かたい ニック かんだい かんかいり かいあり かかもる なたりり | A point on the ground |
| 39     |     | 23 58 V             |   | A point on the ground |
| 40     | N   | 25 <b>59</b> E      |   | A point on the ground |
|        | 5 0 | 1.5                 |   |                       |





| 41                  | N**  | 15 6 E | E 1,973.42 |     | A point on the ground        |
|---------------------|------|--------|------------|-----|------------------------------|
| 42                  | s    |        | E 1,880.68 |     | A point on the ground        |
| 43                  | Ň    |        | N 3,303.19 |     | A point on the ground        |
| 43<br>44            | N    |        | E 1,951.09 |     | A point on the ground        |
| 45                  | N    |        | E 3,254.89 |     | A point on the ground        |
| 46                  | N    |        | W 2,320.14 |     | A point on the ground        |
| <del>40</del><br>47 | S    |        | W 1,411.26 |     | A point on the ground        |
|                     | S    |        | E 2,113.62 |     | A point on the ground        |
| 48                  | S    |        | W 1,921.39 |     | A point on the ground        |
| 49                  |      |        | W 1,658.78 |     | A point on the ground        |
| 50                  | N    |        | W 2,880.75 |     | A point on the ground        |
| 51                  | S    |        | W 1,355.11 |     | A point on the ground        |
| 52                  | N    |        | E 1,486.31 |     | A point on the ground        |
| 53                  | N    |        |            |     | A point on the ground        |
| 54                  | N    |        |            |     | A point on the ground        |
| 55                  | N    |        | E 3,432.71 |     | A point on the ground        |
| 56                  | N    |        | W 1,291.44 |     | A point on the ground        |
| 57                  | S    |        | W 1,398.78 | • , |                              |
| 58                  | S    |        | W 3,006.21 |     | A point on the ground        |
| 59                  | N    |        | W 1,581.71 |     | A point on the ground        |
| 60                  | N    | 6 17   | E 3,585.69 |     | A point on the ground        |
| 61                  | S    | 86 43  | E 2,125.76 |     | A point on the ground        |
| 62                  | N    |        | W 2,915.67 |     | A point on the ground        |
| 63                  | Ν    |        | W 2,939.54 |     | A point on the ground        |
| 64                  | N    |        | W 5,818.02 |     | A point on the ground        |
| 65                  | N    |        | W 5,100.29 |     | A point on the ground        |
| 66                  | Ν    | 15 42  | E 2,457.89 |     | A point on the ground        |
| 67                  | Ν    | 30 6   | W 3,265.99 |     | A point on the ground        |
| 68                  | Ν    | 29 45  | E 5,734.38 |     | A point on the ground        |
| 69                  | N    | 19 54  | W 1,960.22 |     | A point on the ground        |
| 70                  | N    | 84 14  | W 4,262.39 |     | A point on the ground        |
| 71                  | S    | 58 31  | W 2,237.12 |     | A point on the ground        |
| 72                  | N    | 66 32  | W 1,618.42 |     | A point on the ground        |
| 73                  | S    | 69 44  | W 1,065.42 |     | A point on the ground        |
| 74                  | N    | 71 20  | W 1,438.88 |     | A point on the ground        |
| 75                  | N    | 81 55  | W 1,743.94 |     | A point on the ground        |
| 76                  | N    | 54 42  | W 2,338.58 |     | A point on the ground        |
| 77                  | N    | 10: 21 | W 843.27   |     | A point on the ground        |
| 78                  | N    | 58 54  | E 1,308.72 |     | A point on the ground        |
| 79                  | S    | 83 28  | E 8,627.65 |     | A point on the ground        |
| 80                  | N ·  | 4 40   | E 3,329.41 |     | At the edge of a rocky cliff |
| 81                  | N    | 14 58  | E 2,576.32 |     | A point on the ground        |
| 82                  | N    | 49 10  | W 3,522.92 |     | A point on the ground        |
| 83                  | N    |        | W 2,174.65 |     | A point on the ground        |
| 84                  | N    | 47 37  | E 7,251.37 |     | A point on the ground        |
| 85                  | ł N  | 15 4   |            |     | A point on the ground        |
|                     | , -, |        |            |     |                              |





| 86  | N** | 21 13 W   | 2,932.55 | A point on the ground |
|-----|-----|-----------|----------|-----------------------|
| 87  | N   | 89 21 W   | 2,572.98 | A point on the ground |
| 88  | N   | 42 35 W   | 6,174.33 | A point on the ground |
| 89  | S   | 53 11 W   | 718.10   | A point on the ground |
| 90  | N   | 12 38 W   | 1,385.35 | A point on the ground |
| 91  | N   | 27 10 W   | 1,657.53 | A point on the ground |
| 92  | Ν   | 66 28 E   | 1,155.06 | A point on the ground |
| 93  | S   | 30, 54 E  | 2,004.76 | A point on the ground |
| 94  | Ν   | 1 56 E    | 1,783.07 | A point on the ground |
| 95  | Ν   | 39 17 E   | 2,818.90 | A point on the ground |
| 96  | N   | 29 9 W    | 2,673.10 | A point on the ground |
| 97  | S   | 85 58 W   | 879.58   | A point on the ground |
| 98  | N   | 22 38 W   | 865.40   | A point on the ground |
| 99  | N   | 87 9 E    | 1,241.99 | A point on the ground |
| 100 | S   | 49 57 E   | 1,383.94 | A point on the ground |
| 101 | S   | 30 36 E   | 1,962.82 | A point on the ground |
| 102 | S   | 86 24 E   | 970.21   | A point on the ground |
| 103 | N   | 34 59 E   | 1,687.93 | A point on the ground |
| 104 | Ν   | 18 12 W   | 1,358.19 | A point on the ground |
| 105 | S   | 67 17 W   | 1,115.01 | A point on the ground |
| 106 | N   | 20 36 E   | 2,232.48 | A point on the ground |
| 107 | S   | 52 41 W   | 3,346.73 | A point on the ground |
| 108 | N   | 7 41 E    | 2,480.43 | A point on the ground |
| 109 | S   | 72 51 W   | 1,772.89 | A point on the ground |
| 110 | N   | 54 43 W   | 4,040.59 | A point on the ground |
| 111 | S   | 52 13 W   | 3,712.24 | A point on the ground |
| 112 | Ν   | 32 10 E   | 3,521.41 | A point on the ground |
| 113 | N   | 27 43 W   | 1,561.65 | A point on the ground |
| 114 | N   | 48 46 E   | 2,051.21 | A point on the ground |
| 115 | N   | 18 36 E   | 2,463.98 | A point on the ground |
| 116 | N   | 89 26 W   | 3,024.71 | A point on the ground |
| 117 | N   | 6 37 W    | 1,577.46 | A point on the ground |
| 118 | N   | 71 55 W   | 890.83   | A point on the ground |
| 119 |     | Due North | 2,335.12 | A point on the ground |
| 120 | N   | 39 42 E   | 1,278.03 | A point on the ground |
| 121 | N   | 3 15 E    | 1,600.29 | A point on the ground |
| 122 | N   | 79 23 W   | 1,999.78 | A point on the ground |
| 123 | S   | 68 14 W   | 1,823.29 | A point on the ground |
| 124 | N   | 7 30 E    | 3,740.99 | A point on the ground |
| 125 | S   | 87 8 W    | 1,846.67 | A point on the ground |
| 126 | S   | 20 30 W   | 1,640.16 | A point on the ground |
| 127 | S   | 4 59 W    | 4,873.02 | A point on the ground |
| 128 | S   | 37 34 W   | 2,480.60 | A point on the ground |
| 129 | S   | 7 52 E    | 1,767.97 | A point on the ground |
| 130 | N   | 64 20 E   | 3,120.81 | A point on the ground |
|     |     |           |          |                       |





|     | •        | • 11  | FO 141 | 2 000 04 |    | A point on the ground |
|-----|----------|-------|--------|----------|----|-----------------------|
| 131 | 3        | 44    | 59 W   | 2,909.94 |    | A point on the ground |
| 132 | N        | 82    | 38 E   | 1,677.39 |    | A point on the ground |
| 133 | S        | 25    | 37 E   | 1,328.96 |    | A point on the ground |
| 134 | S        | 77    | 33 W   | 2,849.84 |    | A point on the ground |
| 135 | S        | 8     | 55 E   | 2,923.58 |    | A point on the ground |
| 136 | S        | 36    | 53 W   | 2,419.79 |    | A point on the ground |
| 137 | S        | 13    | 31 W   | 1,295.55 |    | A point on the ground |
| 138 | S        | 54    | 13 E   | 2,312.21 |    | A point on the ground |
| 139 | S        | 81    | 15 E   | 1,010.18 |    | A point on the ground |
| 140 | N        |       | 56 E   | 3,288.43 |    | A point on the ground |
| 141 | S        |       | 40 W   | 2,228.15 |    | A point on the ground |
|     |          |       |        | 3,579.83 |    | A point on the ground |
| 142 | S        | 19    |        |          |    |                       |
| 143 | S        | 54    | 31 W   | 1,746.63 |    | A point on the ground |
| 144 | S        | 26    | 42 E   | 1,616.41 |    | A point on the ground |
| 145 | S        |       | 55 W   | 1,460.49 |    | A point on the ground |
| 146 | S        |       | 57 W   | 1,752.49 |    | A point on the ground |
| 147 | N        | 58    | 1 W    | 3,888.32 | .: | A point on the ground |
| 148 | N        | 37    | 23 E   | 3,788.86 |    | A point on the ground |
| 149 | N        | 82    | 40 W   | 2,410.13 |    | A point on the ground |
| 150 | N        | 13    | 57 E   | 4,146.96 |    | A point on the ground |
| 151 | N        |       | 36 W   | 5,192.36 |    | A point on the ground |
| 152 | N        |       | 45 W   | 2,032.55 |    | A point on the ground |
| 153 | N        |       | 38 E   | 3,192.90 |    | A point on the ground |
| 154 | , ,      | Due N |        | 3,226.14 |    | A point on the ground |
| 155 | N        |       | 1 W    | 5,079.24 |    | A point on the ground |
|     | N        |       | 28 E   | 2,598.47 |    | A point on the ground |
| 156 |          |       |        |          |    | A point on the ground |
| 157 | N        |       | 6 W    | 3,005.75 |    |                       |
| 158 | N        |       | 2 E    | 4,117.53 |    | A point on the ground |
| 159 | N        |       | 48 W   | 3,385.14 |    | A point on the ground |
| 160 | <b>N</b> |       | 1 W    | 2,482.40 |    | A point on the ground |
| 161 | 1        |       | 48 W   | 2,671.90 |    | A point on the ground |
| 162 | 5        |       | 16 W   | 4,249.98 |    | A point on the ground |
| 163 |          | 16    | 10 W   | 3,806.35 |    | A point on the ground |
| 164 | 5        | 5 51  | .8 W   | 2,641.82 |    | A point on the ground |
| 165 |          | 69    | 20 W   | 1,744.41 |    | A point on the ground |
| 166 | 1        |       | 55 W   | 698.05   |    | A point on the ground |
| 167 | 5        |       | 40 E   | 1,192.36 |    | A point on the ground |
| 168 |          | 63    | 42 W   | 2,292.31 |    | A point on the ground |
| 169 |          | 5 59  | 46 W   | 1,645.41 |    | A point on the ground |
| 170 |          | N 11  | 56 W   | 1,601.90 |    | A point on the ground |
|     |          |       |        | 2,708.27 |    | A point on the ground |
| 171 |          | 39    |        | 1,342.18 |    | A point on the ground |
| 172 |          | N 26  | 49 E   |          |    | A point on the ground |
| 173 |          | 49    | 2 E    | 2,720.55 |    |                       |
| 174 |          | N 79  | 55 E   | 2,272.43 |    | A point on the ground |
| 175 | ľ        | 4     | 44 E   | 1,849.73 |    | A point on the ground |
|     |          |       |        |          |    |                       |





| 176 | Ν., | 24 | 34 W | 2,467.22 | 2              | · A point on the ground |
|-----|-----|----|------|----------|----------------|-------------------------|
| 177 | N   | 83 | 44 W | 4,256.63 | 3              | A point on the ground   |
| 178 | N   | 83 | 50 W | 4,620.49 |                | A point on the ground   |
| 179 | N   | 10 | 5 W  | 1,373.39 |                | A point on the ground   |
| 180 | N   | 76 | 10 E | 2,303.90 |                | A point on the ground   |
|     | N   | 46 | 51 W | 1,034.5  |                | A point on the ground   |
| 181 | N   | 27 | 16 E | 1,520.1  |                | A point on the ground   |
| 182 |     | 81 | 54 W | 2,381.3  |                | A point on the ground   |
| 183 | S   | 33 | 1 W  | 4,833.6  |                | A point on the ground   |
| 184 | S   |    |      | 1,593.3  |                | A point on the ground   |
| 185 | N   | 54 |      | 1,112.0  |                | A point on the ground   |
| 186 | S   | 63 | 42 E |          |                | A point on the ground   |
| 187 | N   | 10 | 46 W | 3,535.1  |                | A point on the ground   |
| 188 | Ν   | 73 | 49 E | 5,823.2  |                | A point on the ground   |
| 189 | Ν   | 26 | 57 E | 2,204.8  |                |                         |
| 190 | N   | 9  | 11 E | 4,574.5  |                | A point on the ground   |
| 191 | Ν   | 71 | 12 E | 4,660.8  |                | A point on the ground   |
| 192 | S   | 57 | 14 E | 682.2    |                | A point on the ground   |
| 193 | S   | 20 | 46 W | 1,281.1  |                | A point on the ground   |
| 194 | S   | 55 | 49 E | 876.0    |                | A point on the ground   |
| 195 | S   | 51 | 53 W | 2,536.1  |                | A point on the ground   |
| 196 | S   | 28 | 29 E | 2,657.7  | 75             | A point on the ground   |
| 197 | S   | 88 | 45 E | 2,931.7  | 76             | A point on the ground   |
| 198 | S   | 23 | 53 E | 2,756.4  | <del>1</del> 7 | A point on the ground   |
| 199 | N   | 28 | 2 E  | 1,287.5  | 53             | A point on the ground   |
| 200 | N   | 11 | 58 W | 2,324.5  | 55             | A point on the ground   |
| 201 | N   | 41 | 33 E | 410.3    |                | A point on the ground   |
| 202 | S   | 50 | 38 E | 2,617.   |                | A point on the ground   |
| 203 | S   | 86 | 5 E  | 1,362.9  |                | A point on the ground   |
| 204 | N   | 12 | 4 E  | 3,769.   |                | A point on the ground   |
| 205 | N   | 64 | 18 E | 1,911.   |                | A point on the ground   |
|     | S   | 20 | 16 W | 1,047.   |                | A point on the ground   |
| 206 | S   | 48 | 6 E  | 3,084.   |                | A point on the ground   |
| 207 | N   | 26 | 12 E | 2,944.   |                | A point on the ground   |
| 208 |     | 79 |      | 2,893.   |                | A point on the ground   |
| 209 | N   | 13 |      | 2,881.   |                | A point on the ground   |
| 210 | S   |    |      | 2,154.   |                | A point on the ground   |
| 211 | S   | 45 |      | 3,501.   |                | A point on the ground   |
| 212 | S   | 82 |      |          |                | A point on the ground   |
| 213 | S   | 6  |      | 2,598.   |                | A point on the ground   |
| 214 | S   | 44 |      | 4,396    |                | A point on the ground   |
| 215 | N   | 80 |      | 2,147    |                |                         |
| 216 | N   | 73 |      | 3,304    |                | A point on the ground   |
| 217 | N   | 40 |      | 2,422    |                | A point on the ground   |
| 218 | N   | 23 |      | 1,138    |                | A point on the ground   |
| 219 | S   | 75 |      | 2,993    |                | A point on the ground   |
| 220 | S   | 39 | 26 E | 2,426    | .61            | A point on the ground   |
|     |     |    |      |          |                |                         |





| 221 | s'*    | 23    | 21 E | 1,372.20 | · · A point on the ground           |
|-----|--------|-------|------|----------|-------------------------------------|
| 222 | . N    |       | 52 E | 815.67   | A point on the ground               |
| 223 | N      | 9     | 6 E  | 2,862.88 | A point on the ground               |
| 224 | N      | 83    | 3 W  | 2,283.33 | A point on the ground               |
| 225 | N      | 82    | 52 E | 5,695.12 | A point on the ground               |
| 226 | S      | 25    | 33 E | 1,191.82 | A point on the ground               |
| 227 | S      | 7     | 9 W  | 1,455.45 | A point on the ground               |
| 228 | S      | 14    | 4 E  | 1,742.08 | A point on the ground               |
| 229 | Ň      | 74    | 4 E  | 2,577.12 | A point on the ground               |
| 230 | N      | 45    | 13 E | 1,745.26 | A point on the ground               |
| 231 | N      | 58    | 50 W | 1,483.63 | A point on the ground               |
| 232 | N      | 1     | 48 E | 3,811.90 | A point on the ground               |
| 233 | N      | 56    | 34 E | 1,339.32 | A point on the ground               |
| 234 | S      | 49    | 5 E  | 5,439.93 | A point on the ground               |
| 235 | Ň      | 33    | 26 E | 2,246.77 | A point on the ground               |
| 236 | N      | 60    | 44 E | 3,774.53 | A point on the ground               |
| 237 | S      | 38    | 5 E  | 3,628.43 | A point on the ground               |
| 238 | S      | 54    | 18 W | 1,264.71 | A point on the ground               |
| 239 | S      | 17    | 18 E | 611.30   | A point on the ground               |
| 240 | S      | 75    | 33 E | 1,841.63 | A point on the ground               |
| 241 | N      | 42    | 34 E | 2,588.68 | A point on the ground               |
| 242 | S      | 79    | 41 E | 1,536.06 | A point on the ground               |
| 243 | S      | 31    | 14 E | 1,867.62 | A point on the ground               |
| 244 | N      | 87    | 2 W  | 1,755.25 | A point on the ground               |
| 245 | S      | 24    | 55 E | 2,946.37 | A point on the ground               |
| 246 | S      | 18    | 6 W  | 1,455.09 | A point on the ground               |
| 247 | S      | 37    | 38 E | 3,915.70 | A point on the ground               |
| 248 | S      | 19    | 57 W | 2,386.86 | A point on the ground               |
| 249 | S      | 3     | 53 E | 2,709.93 | A point on the ground               |
| 250 |        | Due V | Vest | 4,141.99 | A point on the ground               |
| 251 | S      | 27    | 16 E | 3,040.59 | A point on the ground               |
| 252 |        | 79    | 3 E  | 4,064.38 | A point on the ground               |
| 253 |        | 23    | 24 E | 1,907.53 | A point on the ground               |
| 254 |        | 21    | 57 W | 1,855.88 | A point on the ground—              |
| 255 |        | 5     | 37 E | 5,618.47 | A point on the ground               |
| 256 |        | 26    | 22 E | 8,054.52 | Boundary of A&D and Timberland area |
| 257 |        | 55    | 55 W | 6,205.35 | A point on the ground               |
| 258 |        | 6     | 54 E | 5,075.14 | A point on the ground               |
| 259 |        | 34    | 14 E | 2,154.28 | A point on the ground               |
| 260 |        | 88    | 36 E | 2,421.76 | A point on the ground               |
| 261 | N      | 69    |      | 6,369.48 | A point on the ground               |
| 262 | 4.3    | 43    |      | 4,184.08 | A point on the ground               |
| 263 | S      | 8     | 35 E | 3,883.46 | A point on the ground               |
| 264 | S      | 42    | 7 E  | 3,931.23 | A point on the ground               |
| 265 | 5 Ay N | 21    | 58 E | 5,403.22 | A point on the ground               |
|     |        |       |      |          |                                     |





| 266 | S           | 52 18 E   | 3,561.16   | · · A point on the ground |
|-----|-------------|-----------|------------|---------------------------|
| 267 | S           | 34 41 V   |            | A point on the ground     |
| 268 | Š           | 3 36 V    |            | A point on the ground     |
| 269 | S<br>S<br>S | 82 42 E   |            | A point on the ground     |
|     | 9           | 21 39 V   |            | A point on the ground     |
| 270 | 0           | 52 57 E   |            | A point on the ground     |
| 271 | S           |           |            | A point on the ground     |
| 272 | S           | 55 49 E   |            | A point on the ground     |
| 273 | S           | 0 51 E    | -          |                           |
| 274 | N           | 80 7 V    | •          | A point on the ground     |
| 275 | S           | 3 32 V    | •          | A point on the ground     |
| 276 | S           |           | V 2,830.39 | A point on the ground     |
| 277 | S<br>S      |           | 2,761.12   | A point on the ground     |
| 278 | S           |           | V 3,206.87 | A point on the ground     |
| 279 | S           |           | V 2,658.12 | A point on the ground     |
| 280 | . [         | Due South | 2,949.57   | A point on the ground     |
| 281 | S           |           | E 1,929.40 | A point on the ground     |
| 282 | S           | 34 13     | E 2,375.71 | A point on the ground     |
| 283 | S           | 26 45     | E 1,822.37 | A point on the ground     |
| 284 | N           | 85 6      | E 3,284.28 | A point on the ground     |
| 285 | N           |           | E 983.66   | A point on the ground     |
| 286 | N           | 88 41     | E 1,424.48 | A point on the ground     |
| 287 | S           |           | E 1,784.36 | A point on the ground     |
| 288 | S           |           | N 1,229.18 | A point on the ground     |
| 289 | S           |           | N 1,477.09 | A point on the ground     |
| 290 | Š           |           | W 752.80   | A point on the ground     |
| 291 | S           |           | E 1,785.10 | A point on the ground     |
| 292 | S           |           | W 501.38   | A point on the ground     |
| 293 | N           |           | W 5,547.15 | A point on the ground     |
|     | N           |           | E 2,234.71 | A point on the ground     |
| 294 | IN          | Due North | 251.08     | A point on the ground     |
| 295 |             |           | W 2,228.58 | A point on the ground     |
| 296 | S           |           |            | A point on the ground     |
| 297 | N           |           | W 2,097.22 |                           |
| 298 | N           | 26 11     | E 1,301.76 | A point on the ground     |
| 299 | N           |           | W 1,275.53 | A point on the ground     |
| 300 | S           |           | W 2,517.74 | A point on the ground     |
| 301 | S<br>S      | 26 0      | E 2,494.12 | A point on the ground     |
| 302 | S           | 40 2      | E 1,603.75 | A point on the ground     |
| 303 | S           |           | W 2,661.82 | A point on the ground     |
| 304 | N           | 61 3      | W 2,217.76 | A point on the ground     |
| 305 | S           | 64 50     | W 774.64   | A point on the ground     |
| 306 | N           | 17 5      | W 931.81   | A point on the ground     |
| 307 | S           | 29 35     | W 919.12   | A point on the ground     |
| 308 | S           | 45 50     | E 4,272.23 | A point on the ground     |
| 309 | N           | 3 58      | E 862.42   | A point on the ground     |
| 310 | N           |           | W 566.48   | A point on the ground     |
| 0.0 | •••         |           |            | •                         |





| 311 | N *** | 36 | 45 E | 1,112.86 | A point on the ground |
|-----|-------|----|------|----------|-----------------------|
| 312 | S     | 23 | 23 E | 4,516.85 | A point on the ground |
| 313 | N     | 40 | 2 E  | 3,293.77 | A point on the ground |
| 314 | S     | 29 | 6 E  | 2,811.03 | A point on the ground |
| 315 | S     | 3  | 27 W | 1,970.10 | A point on the ground |
| 316 | S     | 46 | 53 E | 2,244.89 | A point on the ground |
| 317 | N     | 19 | 26 E | 1,271.19 | A point on the ground |
| 318 | N     | 82 | 28 E | 947.72   | A point on the ground |
| 319 | S     | 11 | 24 W | 1,065.97 | A point on the ground |
| 320 | S     | 85 | 15 E | 365.06   | A point on the ground |
| 321 | Ν     | 12 | 53 E | 1,891.69 | A point on the ground |
| 322 | Ν     | 54 | 44 E | 853.07   | A point on the ground |
| 323 | S     | 47 | 15 E | 1,446.46 | A point on the ground |
| 324 | S     | 8  | 20 E | 2,111.14 | A point on the ground |
| 325 | S     | 76 | 21 W | 1,309.78 | A point on the ground |
| 326 | S     | 36 | 46 W | 2,073.08 | A point on the ground |
| 327 | S     | 43 | 4 E  | 755.96   | A point on the ground |
| 328 | Ν     | 72 | 34 E | 4,224.33 | A point on the ground |
| 329 | S     | 22 | 50 W | 3,269.17 | A point on the ground |
| 330 | Ν     | 55 | 19 E | 2,651.74 | A point on the ground |
| 331 | S     | 17 | 45 W | 1,484.70 | A point on the ground |
| 332 | Ν     | 73 | 56 W | 662.85   | A point on the ground |
| 333 | S     | 7  | 45 E | 682.03   | A point on the ground |
| 334 | S     | 76 | 31 E | 2,619.95 | A point on the ground |
| 335 | S     | 12 | 13 W | 2,987.49 | A point on the ground |
| 336 | S     | 18 | 32 E | 2,396.67 | A point on the ground |
| 337 | S     | 64 | 46 W | 1,373.57 | A point on the ground |
| 338 | S     | 81 | 24 E | 1,625.96 | A point on the ground |
| 339 | S     | 32 | 4 E  | 3,549.89 | A point on the ground |
|     |       |    |      |          |                       |

containing an aggregate area of THREE HUNDRED THIRTY THREE THOUSAND THREE HUNDRED (333,300) HECTARES, more or less.

The Buffer Zone of the Samar Island Natural Park shall cover areas along its periphery and within the following metes and bounds:

Tie point is at corner 1 located at 11°49'44" North Latitude and 125°16'07" East Longitude, Center of Canhagimit Bridge

| Cor-<br>ner | BEARING<br>N/S Deg Min W | Distance<br>(meters) | LOCATION              |
|-------------|--------------------------|----------------------|-----------------------|
| 1 ·         | S 87 37 E                | 2,125.03             | A point on the ground |
| 2           | S 22 36 W                | 2,830.65             | A point on the ground |





|   | ***   |  |
|---|---|--|
| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 24 25 26 27 28 29 30 31 | S 41 24 W<br>S 55 11 E<br>S 9 26 E<br>S 2 18 W<br>S 84 17 W<br>S 69 13 W<br>S 13 57 E<br>S 79 6 W<br>S 13 57 W<br>N 75 17 W<br>N 27 15 W<br>N 75 17 W<br>N 21 11 E<br>N 69 52 W<br>N 70 15 W<br>N 8 38 W<br>N 19 44 E<br>N 14 2 W<br>S 75 55 W<br>S 80 57 W | 1,968.79 1,664.45 2,428.74 2,183.33 2,194.91 1,913.35 3,930.68 1,012.69 1,637.29 1,665.06 2,917.99 2,025.38 1,443.48 863.45 1,087.90 4,289.04 2,030.34 1,988.70 1,656.76 1,767.74 2,857.64 3,901.49 3,045.10 1,389.32 6,007.33 4,447.91 7,632.34 2,532.10 2,548.60 |
| 14<br>15<br>16  | N 13 57 W<br>N 75 17 W<br>N 27 15 W<br>N 21 11 E  | 2,025.38<br>1,443.48<br>863.45<br>1,087.90   |
| 19  | S 43 21 W<br>S 77 27 W  | 2,030.34<br>1,988.70   |
| 22  | S 36 52 W<br>S 75 0 W   | 1,767.74<br>2,857.64   |
| 24<br>25  | N 8 38 W  | 3,045.10<br>1,389.32   |
| 27<br>28  | N 19 44 E<br>S 21 10 E  | 4,447.91<br>7,632.34   |
| 30<br>31  | S 75 55 W   | 2,532.10   |
| 32<br>33<br>34  | N 66 3 W<br>N 87 57 W   | 3,551.37<br>849.57<br>1,699.83   |
| 35<br>36<br>37  | N 25 19 E<br>N 21 26 W<br>N 21 38 E   | 2,409.03<br>2,710.74   |
| 38<br>39<br>40  | N 37 51 W<br>N 9 28 W<br>N 10 51 W  | 2,372.73<br>2,958.79<br>4,035.18   |
| 41<br>42  | N 1 21 W<br>N 17 29 E   | 5,224.49<br>2,416.34<br>2,011.97   |
| 43<br>44<br>45  | N 13 52 W<br>N 30 20 E  | 1,645.49<br>6,053.36   |
| 46<br>47  | N 60 23 W<br>S 42 56 W  | 3,415.82<br>755.65   |
|   |   |  |

A point on the ground At the edge of a rocky cliff At the edge of a rocky cliff



| 48 | S 61 20 W  | 897.39   | At the edge of a rocky cliff                  |
|----|------------|----------|---|
| 49 | S 67 27 W  | 721.50   | At the edge of a rocky cliff                  |
| 50 | N 79 34 W  | 677.65   | At the edge of a rocky cliff                  |
| 51 | N 67 34 W  | 884.94   | At the edge of a rocky cliff                  |
| 52 | S 79 21 W  | 832.16   | At the edge of a rocky cliff                  |
| 53 | N 85 52 W  | 425.19   | At the edge of a rocky cliff                  |
| 54 | N 70 40 W  | 834.71   | At the edge of a rocky cliff                  |
| 55 | N 67 21 W  | 558.05   | On the north bank of Palaspas Creek           |
| 56 | S 75 49 W  | 999.74   | At the edge of a rocky cliff                  |
| 57 | Due North  | 214.68   | At the edge of a rocky cliff                  |
| 58 | S 68 41 W  | 422.68   | On the north bank of Macanog Creek            |
| 59 | N 40 48 W  | 324.62   | On the north bank of Macabacod Creek          |
| 60 | N 80 25 W  | 552.97   | At the edge of a rocky cliff                  |
| 61 | N 63 7 W   | 815.12   | At the edge of a rocky cliff                  |
| 62 | N 36 29 W  | 458.52   | At the edge of a rocky cliff                  |
| 63 | N 22 20 W  | 398.58   | On the north edge of logging trail            |
| 64 | N 42 38 W  | 626.28   | Near edge of rock cliff                       |
| 65 | N 78 32 W  | 463.58   | Near edge of rock cliff                       |
| 66 | N 47 20 W  | 453.22   | On the north side of logging trail            |
| 67 | N 33 19 E  | 551.49   | At the edge of a rocky forest                 |
| 68 | N 33 18 E  | 220.59   | On the east side of a logging trai/ edge of a |
| 00 | N 33 10 L  | 220.00   | rocky forest                                  |
| 69 | N 4 20 E   | 801.13   | Near edge of cliff and rocky land             |
| 70 | N 80 24 E  | 1,290.11 | Corner 9 A & D Block 1 Samar LC Proj. 36      |
| 70 | 14 00 21 2 | ,,       | Wright LC 1182                                |
| 71 | N 87 20 E  | 6,639.95 | A point on the ground                         |
| 72 | N 16 19 E  | 3,553.84 | A point on the ground                         |
| 73 | N 34 11 W  | 4,529.96 | A point on the ground                         |
| 74 | N 31 39 W  | 288.68   | A point on the ground                         |
| 75 | N 13 49 E  | 1,898.60 | A point on the ground                         |
| 76 | N 35 7 E   | 3,945.09 | A point on the ground                         |
| 77 | N 58 38 E  | 2,658.37 | A point on the ground                         |
| 78 | N 29 56 E  | 1,879.47 | A point on the ground                         |
| 79 | N 13 28 W  | 2,084.87 | A point on the ground                         |
| 80 | S 81 19 W  | 1,837.11 | A point on the ground                         |
| 81 | N 47 13 W  | 3,300.65 | A point on the ground                         |
| 82 | N 31 34 W  | 2,487.62 | A point on the ground                         |
| 83 | S 80 23 W  | 2,210.10 | A point on the ground                         |
| 84 | N 20 58 W  | 2,961.17 | A point on the ground                         |
| 85 | N 3 7 E    | 2,769.37 | A point on the ground                         |
| 86 | N 22 35 E  | 4,725.59 | A point on the ground                         |
| 87 | N 12 35 W  | 1,668.40 | A point on the ground                         |
| 88 | N 36 2 W   | 2,469.27 | A point on the ground                         |
| 89 | N 50 40 W  | 2,424.51 | A point on the ground                         |
| 90 | S 21 29 W  | 495.33   | A point on the ground                         |
| 90 | 3 21 20 W  | .50.00   |   |



| 91  | S 59 2 | 21 W | 4,219.86 |  | •          | the groun    |     |
|-----|--------|------|----------|--|------------|--------------|-----|
| 92  | S 35 3 | 33 W | 1,925.80 |  | •          | n the groun  |     |
| 93  |        | 17 W | 2,318.50 |  | •          | n the groun  |     |
| 94  |        | 18 W | 3,308.06 | •  | A point of | n the groun  | ıd  |
| 95  |        | 8 E  | 2,348.65 |  | A point o  | n the groun  | ıd  |
| 96  |        | 55 W | 1,949.48 |  | A point o  | n the groun  | ıd  |
| 97  |        | 33 W | 5,336.04 |  | A point o  | n the groun  | ıd  |
| 98  |        | 53 E | 3,141.09 |  | A point o  | n the groun  | nd  |
| 99  | Due No |      | 2,826.69 |  | A point o  | n the groun  | nd  |
| 100 |        | 31 E | 3,337.14 |  |            | n the groun  |     |
| 101 |        | 51 W | 2,219.41 |  | •          | n the grour  |     |
| 102 |        | 49 W | 3,400.69 |  |            | n the grour  |     |
| 103 |        | 38 W | 2,049.57 |  |            | n the grour  |     |
| 104 |        | 40 W | 2,583.75 |  | •          | n the groun  |     |
| 105 |        | 34 W | 3,535.47 |  | -          | n the groun  |     |
| 105 |        | 53 W | 3,516.93 |  | •          | n the groun  |     |
|     |        | 40 E | 3,861.69 |  | •          | n the grou   |     |
| 107 |        | 32 W | 2,164.03 |  |            | n the grou   |     |
| 108 |        |      | 2,164.63 |  | •          | on the groun |     |
| 109 | N 34   |      | 1,836.82 |  |            | on the groun |     |
| 110 | N 41   | 9 W  |          |  | •          | on the grou  |     |
| 111 | Due No |      | 1,997.15 |  |            | on the grou  |     |
| 112 |        | 31 W | 2,475.25 |  | •          |              |     |
| 113 |        | 11 W | 2,305.86 |  | •          | on the grou  |     |
| 114 |        | 24 W | 2,863.28 |  |            | on the grou  |     |
| 115 | Due So |      | 2,089.33 |  | •          | on the grou  |     |
| 116 | S 55   | 0 W  | 3,212.05 |  | •          | on the grou  |     |
| 117 | S 74   | 5 W  | 2,012.53 |  |            | on the grou  |     |
| 118 |        | 23 W | 2,562.14 |  |            | on the grou  |     |
| 119 |        | 18 W | 2,717.59 |  |            | on the grou  |     |
| 120 |        | 24 W | 2,188.64 |  |            | on the grou  |     |
| 121 | N 29   | 18 W | 4,194.66 |  |            | on the grou  |     |
| 122 |        | 22 E | 1,661.79 |  |            | on the grou  |     |
| 123 |        | 53 W | 4,275.67 |  |            | on the grou  |     |
| 124 | S 88   | 33 W | 2,328.33 |  |            | on the grou  |     |
| 125 | S 82   | 15 W | 2,257.86 |  |            | on the grou  |     |
| 126 | N 26   | 51 W | 2,136.51 |  |            | on the grou  |     |
| 127 | N 29   | 25 W | 1,412.04 |  |            | on the grou  |     |
| 128 | N 10   | 23 W | 1,499.72 |  |            | on the grou  |     |
| 129 | N 53   | 43 E | 3,265.03 |  |            | on the grou  |     |
| 130 | N 74   | 54 E | 5,636.07 |  | A point    | on the grou  | und |
| 131 | N 1    | 6 W  | 2,981.04 |  | A point    | on the grou  | und |
| 132 |        | 37 E | 4,371.57 |  |            | on the grou  |     |
| 133 | N 70   | 56 E | 1,406.95 | 公學(数)  |            | on the grou  |     |
| 134 | N 66   | 4 E  | 2,116.27 |  | •          | on the gro   |     |
| 135 |        | 28 E | 2,097.57 |  |            | on the gro   |     |
| .50 |        |      | _,       |  |            | 0.           |     |
|     | 2 (1   |      |          | the same of the sa |            |              |     |



| 136 | S | 89 57 E | 1,963.64  | A point on the ground |
|-----|---|---------|-----------|-----------------------|
| 137 | S | 36 9 E  | 1,637.37  | A point on the ground |
| 138 | S | 20 53 E | 2,368.49  | A point on the ground |
| 139 | S | 42 36 W | 1,417.09  | A point on the ground |
| 140 | S | 57 3 E  | 791.76    | A point on the ground |
| 141 | Ν | 80 36 E | 1,684.67  | A point on the ground |
| 142 | S | 65 39 E | 2,387.36  | A point on the ground |
| 143 | Ν | 34 32 E | 3,840.33  | A point on the ground |
| 144 | S | 68 53 E | 2,817.31  | A point on the ground |
| 145 | Ν | 63 29 E | 3,850.11  | A point on the ground |
| 146 | S | 88 43 E | 2,780.14  | A point on the ground |
| 147 | S | 39 19 E | 715.02    | A point on the ground |
| 148 | S | 10 4 W  | 1,903.50  | A point on the ground |
| 149 | S | 19 49 E | 1,959.73  | A point on the ground |
| 150 | S | 44 32 W | 1,292.82  | A point on the ground |
| 151 | S | 47 10 W | 2,349.36  | A point on the ground |
| 152 | S | 85 20 W | 1,879.85  | A point on the ground |
| 153 | S | 13 26 W | 1,042.37  | A point on the ground |
| 154 | S | 38 11 E | 2,932.29  | A point on the ground |
| 155 | Ν | 73 59 E | 2,892.91  | A point on the ground |
| 156 | Ν | 26 38 W | 1,684.49  | A point on the ground |
| 157 | N | 64 22 E | 1,206.80  | A point on the ground |
| 158 | S | 81 9 E  | 3,394.80  | A point on the ground |
| 159 | Ν | 58 41 E | 3,961.41  | A point on the ground |
| 160 | S | 63 3 E  | 1,830.56  | A point on the ground |
| 161 | S | 78 31 E | 1,541.86  | A point on the ground |
| 162 | Ν | 72 37 E | 2,058.09  | A point on the ground |
| 163 | Ν | 44 31 E | 1,508.33  | A point on the ground |
| 164 | N | 37 50 W | 2,217.24  | A point on the ground |
| 165 | Ν | 69 16 E | 2,778.28  | A point on the ground |
| 166 | S | 55 0 E  | 2,730.36  | A point on the ground |
| 167 | S | 79 47 E | 1,381.77  | A point on the ground |
| 168 | S | 11 9 E  | 2,348.58  | A point on the ground |
| 169 | N | 55 39 E | 2,451.68  | A point on the ground |
| 170 | Ν | 45 57 E | 4,201.22  | A point on the ground |
| 171 | S | 41 0 E  | 3,825.11  | A point on the ground |
| 172 | Ν | 64 30 E | 1,572.87  | A point on the ground |
| 173 | S | 79 48 E | 2,763.59  | A point on the ground |
| 174 | S | 39 51 E | 3,918.91  | A point on the ground |
| 175 | S | 47 41 W | 1,919.08  | A point on the ground |
| 176 | S | 18 6 W  | 3,201.19  | A point on the ground |
| 177 | S | 71 43 E | 10,253.70 | A point on the ground |
| 178 | S | 79 10 W | 6,246.53  | A point on the ground |
| 179 | S | 18 57 W | 1,949.79  | A point on the ground |
| 180 | S | 8 16 E  | 2,328.30  | A point on the ground |
|     |   |         | -         | _                     |



| 181 | S 46 46 | 6 E  | 1,702.90 |   | the state of the s |            | the ground   |         |   |
|-----|---------|------|----------|---|--|------------|--------------|---------|---|
| 182 | S 9 22  | 2 W  | 2,585.13 |   | Α  | point on   | the ground   | 1.4     |   |
| 183 | S 9 32  | 2 E  | 1,837.86 |   |  | •          | the ground   |         |   |
| 184 | S 5 54  | 4 E  | 5,652.06 |   |  |            | the ground   |         |   |
| 185 | S 33 25 | 5 E  | 5,885.80 |   | Α  | point on   | the ground   |         |   |
| 186 |         | 7 W  | 1,291.88 |   |  |            | the ground   |         |   |
| 187 |         | 1 E  | 3,373.50 |   | Α  | point on   | the ground   |         |   |
| 188 |         | 0 W  | 583.95   |   | Α  | point on   | the ground   |         |   |
| 189 |         | 3 W  | 5,369.60 |   | Α  | point on   | the ground   |         |   |
| 190 | S 7 3   | 6 E  | 3,688.21 |   | Α  | point on   | the ground   |         |   |
| 191 |         | 5 E  | 1,841.29 |   | Α  | point on   | the ground   |         |   |
| 192 |         | 5 E  | 7,937.80 |   | Α  | point on   | the ground   |         |   |
| 193 | S 46 4  |      | 1,207.57 |   | Α  | point on   | the ground   |         |   |
| 194 |         | 1 E  | 2,186.29 |   | Α  | point on   | the ground   |         |   |
| 195 |         | 7 W  | 4,271.98 |   | Α  | point on   | the ground   |         |   |
| 196 |         | 1 W  | 2,650.85 | ( | Corner 145   | Project    | 31 Block G   | LC-2827 |   |
| 197 |         | 57 E | 1,127.56 |   | Α  | point on   | the ground   |         |   |
| 198 |         | 89 E | 5,154.54 |   | Α  | point on   | the ground   |         |   |
| 199 |         | 7 E  | 4,410.57 |   | Α  | point on   | the ground   |         |   |
| 200 |         | 88 W | 1,340.60 |   | . A  | point on   | the ground   |         |   |
| 201 |         | 11 W | 2,127.59 |   | Α  | point or   | the ground   |         |   |
| 202 |         | 23 W | 2,893.43 |   |  |            | the ground   |         |   |
| 203 |         | 2 E  | 3,515.89 |   | A  | point or   | the ground   |         |   |
| 204 |         | 15 E | 1,931.27 |   | A  | point or   | the ground   |         |   |
| 205 |         | 28 W | 2,983.77 |   | A  | point or   | n the ground |         |   |
| 206 |         | 15 W | 2,194.90 |   | A  | point or   | the ground   | ı       |   |
| 207 |         | 26 E | 1,736.16 |   | P  | opoint or  | n the ground | i       |   |
| 208 | S 19    | 7 E  | 1,300.07 |   |  |            | the ground   |         |   |
| 209 |         | 46 E | 1,061.60 |   | P  | opoint or  | n the ground | 1       |   |
| 210 |         | 44 E | 2,189.36 |   |  |            | n the ground |         |   |
| 211 |         | 12 W | 3,804.67 |   | F  | A point or | n the ground | d       |   |
| 212 |         | 17 W | 1,824.10 |   | F  | A point or | n the ground | d       |   |
| 213 |         | 58 W | 1,774.63 |   |  |            | n the ground |         |   |
| 214 |         | 31 W | 2,757.19 |   | -  | A point o  | n the ground | j       | ١ |
| 215 |         | 59 E | 4,579.42 |   |  |            | n the ground |         |   |
| 216 | S 71    | 6 W  | 3,616.79 |   |  |            | n the ground |         |   |
| 217 |         | 53 E | 2,995.66 |   |  | A point o  | n the ground | d       |   |
| 218 |         | 52 E | 1,839.11 |   |  | A point o  | n the ground | d       |   |
| 219 |         | 20 E | 2,729.55 |   |  | A point o  | n the ground | d       |   |
| 220 |         | 24 E | 2,681.18 |   |  | A point o  | n the ground | d       |   |
| 221 |         | 45 E | 2,756.03 |   |  | A point o  | n the ground | d       |   |
| 222 | S 10    | 4 E  | 4,024.31 |   |  | A point o  | n the groun  | d       |   |
| 223 | S 74    | 6 W  | 2,141.75 |   |  | A point o  | n the groun  | d       |   |
| 224 |         | 10 W | 3,980.14 |   |  | A point o  | n the groun  | d       |   |
| 225 |         | 35 W | 4,699.26 |   |  | A point o  | n the groun  | d       |   |
|     |         |      |          |   |  | -          | •            |         |   |





| 226 | S      | 72°57 W | 4,280.94           | A point on the ground |
|-----|--------|---------|--------------------|-----------------------|
| 227 | S      | 55 33 E | 4,120.01           | A point on the ground |
| 228 | S      | 41 2 E  | 3,051.51           | A point on the ground |
| 229 | S      | 85 43 E | 4,438.28           | A point on the ground |
| 230 | S      | 40 25 E | 4,917.44           | A point on the ground |
| 231 | S      | 25 33 W | 1,260.99           | A point on the ground |
| 232 | S      | 29 58 E | 5,173.35           | A point on the ground |
| 233 | S      | 70 2 E  | 7,973.07           | A point on the ground |
| 234 | N      | 88 29 E | 3,761.21           | A point on the ground |
| 235 | S      | 4 57 W  | 2,745.27           | A point on the ground |
| 236 | Š      | 16 25 E | 1,728.65           | A point on the ground |
| 237 | s      | 64 35 W | 503.19             | A point on the ground |
| 238 | N      | 45 29 W | 3,280.70           | A point on the ground |
| 239 | N      | 64 39 W | 5,004.09           | A point on the ground |
| 240 | S      | 63 52 W | 4,690.86           | A point on the ground |
| 241 | S      | 29 49 E | 4,953.46           | A point on the ground |
| 242 | N      | 87 37 W | 2,125.03           | A point on the ground |
| 243 | N      | 32 4 W  | 3,549.89           | A point on the ground |
| 244 | N      | 81 24 W | 1,625.96           | A point on the ground |
| 245 | N      | 64 46 E | 1,373.57           | A point on the ground |
| 246 | N      | 18 32 W | 2,396.67           | A point on the ground |
| 247 | N      | 12 13 E | 2,987.49           | A point on the ground |
| 248 | N      | 76 31 W | 2,619.95           | A point on the ground |
| 249 | N      | 7 45 W  | 682.03             | A point on the ground |
| 250 | S      | 73 56 E | 662.85             | A point on the ground |
| 251 | N      | 17 45 E | 1,484.70           | A point on the ground |
| 252 | S      | 55 19 W | 2,651.74           | A point on the ground |
| 253 | N      | 22 50 E |                    | A point on the ground |
| 254 | S      | 72 34 W | 3,269.17           | A point on the ground |
| 255 |        | 43 4 W  | 4,224.33           | A point on the ground |
|     | N      |         | 755.96<br>2,073.08 |                       |
| 256 | N      |         | •                  | A point on the ground |
| 257 | N      |         | 1,309.78           | A point on the ground |
| 258 | N      |         | 2,111.14           | A point on the ground |
| 259 | N<br>S | 47 15 W | 1,446.46           | A point on the ground |
| 260 |        | 54 44 W | 853.07             | A point on the ground |
| 261 | S      | 12 53 W | 1,891.69           | A point on the ground |
| 262 | N      | 85 15 W | 365.06             | A point on the ground |
| 263 | N      | 11 24 E | 1,065.97           | A point on the ground |
| 264 | S      | 82 28 W | 947.72             | A point on the ground |
| 265 | S      | 19 26 W | 1,271.19           | A point on the ground |
| 266 | N      | 46 53 W | 2,244.89           | A point on the ground |
| 267 | N      | 3 27 E  | 1,970.10           | A point on the ground |
| 268 | N      | 29 6 W  | 2,811.03           | A point on the ground |
| 269 | S      | 40 2 W  | 3,293.77           | A point on the ground |
| 270 | N      | 23 23 W | 4,516.85           | A point on the ground |
|     |        |         |                    |                       |



| 271 | S | 36° 45 W | 1,112.86 | A point on the ground |
|-----|---|----------|----------|-----------------------|
| 272 | S | 53 26 E  | 566.48   | A point on the ground |
| 273 | S | 3 58 W   | 862.42   | A point on the ground |
| 274 | N | 45 50 W  | 4,272.23 | A point on the ground |
| 275 | N | 29 35 E  | 919.12   | A point on the ground |
| 276 | S | 17 5 E   | 931.81   | A point on the ground |
| 277 | N | 64 5 E   | 774.64   | A point on the ground |
| 278 | S | 61 3 E   | 2,217.76 | A point on the ground |
| 279 | Ν | 53 52 E  | 2,661.82 | A point on the ground |
| 280 | N | 40 2 W   | 1,603.75 | A point on the ground |
| 281 | Ν | 26 0 W   | 2,494.12 | A point on the ground |
| 282 | Ν | 12 27 E  | 2,517.74 | A point on the ground |
| 283 | S | 41 45 E  | 1,275.53 | A point on the ground |
| 284 | S | 26 11 W  | 1,301.76 | A point on the ground |
| 285 | S | 41 43 E  | 2,097.22 | A point on the ground |
| 286 | N | 63 45 E  | 2,228.58 | A point on the ground |
| 287 | S | 0 4 E    | 215.08   | A point on the ground |
| 288 | S | 1 29 W   | 2,243.71 | A point on the ground |
| 289 | S | 75 19 E  | 5,547.15 | A point on the ground |
| 290 | Ν | 37 7 E   | 501.38   | A point on the ground |
| 291 | Ν | 30 42 W  | 1,785.10 | A point on the ground |
| 292 | Ν | 11 32 E  | 752.80   | A point on the ground |
| 293 | Ν | 57 11 E  | 1,477.09 | A point on the ground |
| 294 | Ν | 73 57 E  | 1,229.18 | A point on the ground |
| 295 | N | 3 0 W    | 1,784.36 | A point on the ground |
| 296 | S | 88 41 W  | 1,424.48 | A point on the ground |
| 297 | S | 1 41 W   | 983.66   | A point on the ground |
| 298 | S | 85 6 W   | 3,284.28 | A point on the ground |
| 299 | Ν | 26 45 W  | 1,822.37 | A point on the ground |
| 300 | N | 34 13 W  | 2,375.71 | A point on the ground |
| 301 | N | 63 35 W  | 1,929.40 | A point on the ground |
| 302 |   | ue South | 2,949.57 | A point on the ground |
| 303 | N | 13 47 E  | 2,658.12 | A point on the ground |
| 304 | N | 65 0 E   | 3,206.87 | A point on the ground |
| 305 | N | 31 7 W   | 2,761.12 | A point on the ground |
| 306 | N | 37 31 E  | 2,830.39 | A point on the ground |
| 307 | N | 3 32 E   | 2,401.33 | A point on the ground |
| 308 | S | 80 7 E   | 3,197.78 | A point on the ground |
| 309 | N | 0 51 W   | 2,243.14 | A point on the ground |
| 310 | N | 55 49 W  | 2,564.88 | A point on the ground |
| 311 | N | 52 57 W  | 2,392.60 | A point on the ground |
| 312 | N | 21 39 E  | 6,052.66 | A point on the ground |
| 313 | N | 82 42 W  | 2,869.54 | A point on the ground |
| 314 | N | 3 36 E   | 2,832.55 | A point on the ground |
| 315 | N | 34 41 E  | 4,300.74 | A point on the ground |
|     |   |          |          |                       |





|     |                                       | •  |          |
|-----|---------------------------------------|--|----------|
| 316 | Ν                                     | 52 18 W  | 3,561.16 |
| 317 | S                                     | 21 58 W  | 5,403.22 |
| 318 | N                                     | 42 7 W   | 3,931.23 |
|     |                                       | 8 35 W   | 3,883.46 |
| 319 | N                                     |  | •        |
| 320 | Ν                                     | 43 54 E  | 4,184.08 |
| 321 | S                                     | 69 19 W  | 6,369.48 |
| 322 | Ν                                     | 88 36 W  | 2,421.76 |
| 323 | Ν                                     | 34 14 W  | 2,154.28 |
| 324 | N                                     | 6 54 W   | 5,075.14 |
| 325 | N                                     | 55 55 E  | 6,205.35 |
|     |                                       |  |          |
| 326 | N                                     | 26 22 W  | 8,054.52 |
| 327 | Ν                                     | 5 37 W   | 5,618.47 |
| 328 | Ν                                     | 21 57 E  | 1,855.88 |
| 329 | N                                     | 23 24 W  | 1,907.53 |
| 330 | S                                     | 79 3 W   | 4,064.38 |
| 331 | Ň                                     | 27 16 W  | 3,040.59 |
| 332 | N                                     | 89 57 E  | 4,141.99 |
|     |                                       |  |          |
| 333 | N                                     | 3 53 W   | 2,709.93 |
| 334 | N                                     | 19 57 E  | 2,386.86 |
| 335 | Ν                                     | 37 38 W  | 3,915.70 |
| 336 | Ν                                     | 18 6 E   | 1,455.09 |
| 337 | Ν                                     | 24 55 W  | 2,946.37 |
| 338 | S                                     | 87 2 E   | 1,755.25 |
| 339 | Ν                                     | 31 14 W  | 1,867.62 |
| 340 | N                                     | 79 41 W  | 1,536.06 |
| 341 | S                                     | 42 34 W  | 2,588.68 |
| 342 | N                                     | 75 33 W  | 1,841.63 |
|     |                                       |  |          |
| 343 | N                                     | 17 18 W  | 611.30   |
| 344 | Ν                                     | 54 18 E  | 1,264.71 |
| 345 | Ν                                     | 38 5 W   | 3,628.43 |
| 346 | S                                     | 60 44 W  | 3,774.53 |
| 347 | S                                     | 33 26 W  | 2,246.77 |
| 348 | N                                     | 49 5 W   | 5,439.93 |
| 349 | S                                     | 56 34 W  | 1,339.32 |
| 350 | s                                     | 1 48 W   | 3,811.90 |
|     |                                       |  | 1,483.63 |
| 351 | S                                     | 58 50 E  |          |
| 352 | S                                     | 45 13 W  | 1,745.26 |
| 353 | S                                     | 74 4 W   | 2,577.12 |
| 354 | Ν                                     | 14 4 W   | 1,742.08 |
| 355 | Ν                                     | 7 9 E  | 1,455.45 |
| 356 | N                                     | 25 33 W  | 1,191.82 |
| 357 | S                                     | 82 52 W  | 5,695.12 |
| 358 | S                                     | 83 3 E   | 2,283.33 |
| 359 | Š                                     | 9 6 W  | 2,862.88 |
| 360 | S                                     |  | 815.67   |
| 300 | • • • • • • • • • • • • • • • • • • • | 01 32 44   | 010.07   |
|     | . E.                                  | Contract to the contract of th |          |

A point on the ground A point on the ground





| 361  | N   | 23°21 W    | 1,372.20 | A point on the ground |
|------|-----|------------|----------|-----------------------|
| 362  | N   | 39 26 W    | 2,426.61 | A point on the ground |
| 363  | N   | 75 44 W    | 2,993.38 | A point on the ground |
| 364  | S   | 23 28 W    | 1,138.78 | A point on the ground |
| 365  | s   | 40 26 E    | 2,422.46 | A point on the ground |
| 366  | S   | 73 49 W    | 3,304.59 | A point on the ground |
| 367  | S   | 80 8 W     | 2,147.55 | A point on the ground |
| 368  | N   | 44 30 W    | 4,396.03 | A point on the ground |
|      | N   | 6 42 E     | 2,598.59 | A point on the ground |
| 369  |     | 82 58 E    | 3,501.59 | A point on the ground |
| 370  | N   | 45 41 E    | 2,154.43 | A point on the ground |
| 371  | N   |            | 2,881.11 | A point on the ground |
| 372  | N   |            | •        | A point on the ground |
| 373  | S   | 79 0 W     | 2,893.43 | A point on the ground |
| 374  | S   | 26 12 W    | 2,944.56 | A point on the ground |
| 375  | N   | 48 6 W     | 3,084.04 | A point on the ground |
| 376  | N   | 20 16 E    | 1,047.95 |                       |
| 377  | S   | 64 18 W    | 1,911.59 | A point on the ground |
| 378  | S   | 12 4 W     | 3,769.87 | A point on the ground |
| 379  | N   | 86 5 W     | 1,362.93 | A point on the ground |
| 380  | N   | 50 38 W    | 2,617.59 | A point on the ground |
| 381  | S   | 41 33 W    | 410.32   | A point on the ground |
| 382  | S   | 11 58 E    | 2,324.55 | A point on the ground |
| 383  | S   | 28 2 W     | 1,287.53 | A point on the ground |
| 384  | Ν   | 23 53 W    | 2,756.47 | A point on the ground |
| 385  | Ν   | 88 45 W    | 2,931.76 | A point on the ground |
| 386  | N   | 28 29 W    | 2,657.75 | A point on the ground |
| 387  | Ν   | 51 53 E    | 2,536.19 | A point on the ground |
| 388  | N   | 55 49 W    | 876.06   | A point on the ground |
| 389  | N   | 20 46 E    | 1,281.14 | A point on the ground |
| 390  | Ν   | 57 14 W    | 682.23   | A point on the ground |
| 391  | S   | 71 12 W    | 4,660.87 | A point on the ground |
| 392  | S   | 9 11 W     | 4,574.57 | A point on the ground |
| 393  | S   | 26 57 W    | 2,204.87 | A point on the ground |
| 394  | S   | 73 49 W    | 5,823.20 | A point on the ground |
| 395  | S   | 10 46 E    | 3,535.13 | A point on the ground |
| 396  | N   | 63 42 W    | 1,112.00 | A point on the ground |
| 397  | S   | 54 35 E    | 1,593.38 | A point on the ground |
| 398  | . N | 33 1 E     | 4,833.61 | A point on the ground |
| 399  | N   | 81 54 E    | 2,381.37 | A point on the ground |
| 400  | S   | 27 16 W    | 1,520.17 | A point on the ground |
| 401. | S   | 46 51 E    | 1,034.55 | A point on the ground |
| 402  | S   | 76 10 W    | 2,303.90 | A point on the ground |
| 403  | S   | 10 5 E     | 1,373.39 | A point on the ground |
| 404  | S   | 83 50 E    | 4,620.49 | A point on the ground |
| 405  | S   | 83 44 E    | 4,256.63 | A point on the ground |
|      |     | 17 Table 1 |          |                       |



| 406 | S | 24° | 34 E | 2,467.22 | A point on the ground |
|-----|---|-----|------|----------|-----------------------|
| 407 | S | 4   | 44 W | 1,849.73 | A point on the ground |
| 408 | S | 79  | 55 W | 2,272.43 | A point on the ground |
| 409 | Ν | 49  | 2 W  | 2,720.55 | A point on the ground |
| 410 | S | 26  | 49 W | 1,342.18 | A point on the ground |
| 411 | S | 39  | 28 E | 2,708.27 | A point on the ground |
| 412 | S | 11  | 56 E | 1,601.90 | A point on the ground |
| 413 | Ν | 59  | 46 E | 1,645.41 | A point on the ground |
| 414 | S | 63  | 42 E | 2,292.31 | A point on the ground |
| 415 | Ν | 11  | 40 W | 1,192.36 | A point on the ground |
| 416 | S | 84  | 55 E | 698.05   | A point on the ground |
| 417 | S | 69  | 20 E | 1,744.41 | A point on the ground |
| 418 | Ν | 51  | 8 E  | 2,641.82 | A point on the ground |
| 419 | Ν | 16  | 10 E | 3,806.35 | A point on the ground |
| 420 | Ν | 32  | 16 E | 4,249.98 | A point on the ground |
| 421 | S | 64  | 38 E | 2,671.90 | A point on the ground |
| 422 | S | 42  | 1 E  | 2,482.40 | A point on the ground |
| 423 | S | 24  | 48 E | 3,385.14 | A point on the ground |
| 424 | S | 37  | 2 W  | 4,117.53 | A point on the ground |
| 425 | S | 37  | 6 E  | 3,005.75 | A point on the ground |
| 426 | S | 59  | 28 W | 2,598.47 | A point on the ground |
| 427 | S | 34  | 1 E  | 5,079.24 | A point on the ground |
| 428 | D |     | outh | 3,226.14 | A point on the ground |
| 429 | S | 7   | 38 W | 3,192.90 | A point on the ground |
| 430 | S | 22  | 45 E | 2,032.55 | A point on the ground |
| 431 | S | 22  | 36 E | 5,192.36 | A point on the ground |
| 432 | S | 13  | 57 W | 4,146.96 | A point on the ground |
| 433 | S | 82  | 40 E | 2,410.13 | A point on the ground |
| 434 | S | 37  | 23 W | 3,788.86 | A point on the ground |
| 435 | S | 58  | 1 E  | 3,888.32 | A point on the ground |
| 436 | Ν | 10  | 57 E | 1,752.49 | A point on the ground |
| 437 | N | 53  | 55 E | 1,460.49 | A point on the ground |
| 438 | N | 26  | 42 W | 1,616.41 | A point on the ground |
| 439 | Ν | 54  | 31 E | 1,746.63 | A point on the ground |
| 440 | Ν | 19  | 15 E | 3,579.83 | A point on the ground |
| 441 | N | 40  | 40 E | 2,228.15 | A point on the ground |
| 442 | S | 60  | 56 W | 3,288.43 | A point on the ground |
| 443 | N | 81  | 15 W | 1,010.18 | A point on the ground |
| 444 | N | 54  | 13 W | 2,312.21 | A point on the ground |
| 445 | N | 13  | 31 E | 1,295.55 | A point on the ground |
| 446 | N | 36  | 53 E | 2,419.79 | A point on the ground |
| 447 | N | 8   | 55 W | 2,923.58 | A point on the ground |
| 448 | N | 77  | 33 E | 2,849.84 | A point on the ground |
| 449 | N | 25  | 37 W | 1,328.96 | A point on the ground |
| 450 | S | 82  | 38 W | 1,677.39 | A point on the ground |
|     | _ |     |      | .,       | point on the ground   |



|     |   | _        |          |                       |
|-----|---|----------|----------|-----------------------|
| 451 | N | 44 59 E  | 2,909.94 | A'point on the ground |
| 452 | S | 64 20 W  | 3,120.81 | A point on the ground |
| 453 | N | 7 52 W   | 1,767.97 | A point on the ground |
| 454 | N | 37 34 E  | 2,480.60 | A point on the ground |
| 455 | N | 4 59 E   | 4,873.02 | A point on the ground |
| 456 | N | 20 30 E  | 1,640.16 | A point on the ground |
| 457 | N | 87 8 E   | 1,846.67 | A point on the ground |
| 458 | S | 7 30 W   | 3,470.99 | A point on the ground |
| 459 | N | 68 14 E  | 1,823.29 | A point on the ground |
| 460 | S | 79 23 E  | 1,999.78 | A point on the ground |
| 461 | S | 3 15 W   | 1,600.29 | A point on the ground |
| 462 | S | 39 42 W  | 1,278.03 | A point on the ground |
| 463 |   | ue South | 2,335.12 | A point on the ground |
| 464 | s | 71 55 E  | 890.83   | A point on the ground |
| 465 | Š | 6 37 E   | 1,577.46 | A point on the ground |
| 466 | S | 89 26 E  | 3,024.71 | A point on the ground |
| 467 | S | 18 36 W  | 2,463.98 | A point on the ground |
| 468 | Š | 48 46 W  | 2,051.21 | A point on the ground |
| 469 | S | 27 43 E  | 1,561.65 | A point on the ground |
| 470 | Š | 32 10 W  | 3,521.41 | A point on the ground |
| 471 | N | 52 13 E  | 3,712.24 | A point on the ground |
| 472 | S | 54 43 E  | 4,040.59 | A point on the ground |
| 473 | N | 72 51 E  | 1,772.89 | A point on the ground |
| 474 | S | 7 41 W   | 2,480.43 | A point on the ground |
| 475 | N | 52 41 E  | 3,346.73 | A point on the ground |
| 476 | S | 20 36 W  | 2,232.48 | A point on the ground |
| 477 | N | 67 17 E  | 1,115.01 | A point on the ground |
| 478 | S | 18 12 E  | 1,358.19 | A point on the ground |
| 479 | S | 34 59 W  | 1,687.93 | A point on the ground |
| 480 | N | 86 24 W  | 970.21   | A point on the ground |
| 481 | N | 30 36 W  | 1,962.82 | A point on the ground |
| 482 | N | 49 57 W  | 1,383.94 | A point on the ground |
| 483 | S | 87 9 W   | 1,241.99 | A point on the ground |
| 484 | S | 22 38 E  | 865.40   | A point on the ground |
| 485 | N | 85 58 E  | 879.58   | A point on the ground |
| 486 | S | 29 9 E   | 2,673.10 | A point on the ground |
| 487 | S | 39 17 W  | 2,818.90 | A point on the ground |
| 488 | S | 1 56 W   | 1,783.07 | A point on the ground |
| 489 | N | 30 54 W  | 2,004.76 | A point on the ground |
| 490 | S | 66 28 W  | 1,155.06 | A point on the ground |
| 491 | S | 27 10 E  | 1,657.53 | A point on the ground |
| 492 | S | 12 38 E  | 1,385.35 | A point on the ground |
| 493 | N | 53 11 E  | 718.10   | A point on the ground |
| 494 | S | 42 35 E  | 6,174.33 | A point on the ground |
| 495 | S | 89 21 E  | 2,572.98 | A point on the ground |
|     |   |          |          | _                     |



| 496 | S | 21° 13 E           | 2,932.55             | A point on the ground |
|-----|---|--------------------|----------------------|-----------------------|
| 497 | Š | 15 4 W             | 2,673.15             | A point on the ground |
| 498 | Š | 47 37 W            | 7,251.37             | A point on the ground |
| 499 | Š | 12 54 E            | 2,174.65             | A point on the ground |
| 500 | Š | 49 10 E            | 3,522.92             | A point on the ground |
| 501 | S | 14 58 W            | 2,576.32             | A point on the ground |
| 502 | s | 4 40 W             | 3,329.41             | A point on the ground |
| 503 | N | 83 28 W            | 8,627.65             | A point on the ground |
| 504 | S | 58 54 W            | 1,308.72             | A point on the ground |
| 505 | S | 10 21 E            | 843.27               | A point on the ground |
| 506 | S | 54 42 E            | 2,338.58             | A point on the ground |
| 507 | S | 81 55 E            | 1,743.94             | A point on the ground |
| 508 | S | 71 20 E            | 1,438.88             | A point on the ground |
| 509 | N | 69 44 E            | 1,065.42             | A point on the ground |
|     | S |                    | 1,618.42             | A point on the ground |
| 510 |   | 66 32 E<br>58 31 E | 2,237.12             | A point on the ground |
| 511 | N |                    | 4,262.39             | A point on the ground |
| 512 | S |                    |                      | A point on the ground |
| 513 | S |                    | 1,960.22<br>5,734.38 | A point on the ground |
| 514 | S | 29 45 W            |                      | A point on the ground |
| 515 | S | 30 6 E             | 3,265.99             | A point on the ground |
| 516 | S | 15 42 W            | 2,457.89             |                       |
| 517 | S | 0 22 E             | 5,100.29             | A point on the ground |
| 518 | S | 6 55 E             | 5,818.02             | A point on the ground |
| 519 | S | 42 7 E             | 2,939.54             | A point on the ground |
| 520 | S | 22 1 E             | 2,915.67             | A point on the ground |
| 521 | N | 86 43 W            | 2,125.76             | A point on the ground |
| 522 | S | 6 17 W             | 3,585.69             | A point on the ground |
| 523 | S | 17 54 E            | 1,581.71             | A point on the ground |
| 524 | N | 55 46 E            | 3,006.21             | A point on the ground |
| 525 | N | 8 41 E             | 1,398.78             | A point on the ground |
| 526 | S | 80 27 E            | 1,291.44             | A point on the ground |
| 527 | S | 14 48 W            | 3,432.71             | A point on the ground |
| 528 | S | 39 48 E            | 2,038.48             | A point on the ground |
| 529 | S | 36 14 W            | 1,486.31             | A point on the ground |
| 530 | S | 74 15 E            | 1,355.11             | A point on the ground |
| 531 | N | 50 10 E            | 2,880.75             | A point on the ground |
| 532 | S | 63 39 E            | 1,658.78             | A point on the ground |
| 533 | N | 43 56 E            | 1,921.39             | A point on the ground |
| 534 | N | 23 44 W            | 2,113.62             | A point on the ground |
| 535 |   | 81 11 E            | 1,411.26             | A point on the ground |
| 536 | S | 39 52 E            | 2,320.14             | A point on the ground |
| 537 | S |                    | 3,254.89             | A point on the ground |
| 538 | S | 55 25 W            | 1,951.09             | A point on the ground |
| 539 | S | 32 14 E            | 3,303.19             | A point on the ground |
| 540 | N | 89 7 W             | 1,880.68             | A point on the ground |
|     |   |                    |                      |                       |





| 541 | S | 15 | 6 N  | N | 1,973.4 | 2  |   |    | Ap | oint o | n the  | gro   | und   |   |
|-----|---|----|------|---|---------|----|---|----|----|--------|--------|-------|-------|---|
| 542 | S | 25 | 59 \ | N | 3,316.8 | 4  |   |    | Ap | oint c | n the  | e gro | und   |   |
| 543 | S |    |      | E | 3,663.5 | 4  |   |    | Αp | oint c | n the  | e gro | und   |   |
| 544 | N | 85 | 47   | E | 3,377.3 | 9  | • |    | Αp | oint o | n the  | e gro | und   |   |
| 545 | N | 34 | 26   | E | 1,714.5 | 9  |   |    | Αp | oint o | n the  | e gro | und   |   |
| 546 | N | 72 | 26   | E | 1,940.3 | 86 |   |    | Αp | oint o | on the | e gro | und   |   |
| 547 | S | 20 | 35   | E | 951.4   | 13 |   |    | Αp | oint o | on th  | e gro | und   |   |
| 548 | Ν | 69 | 15   | E | 1,913.2 | 20 |   |    |    | oint o |        |       |       |   |
| 549 | Ν | 67 | 36 \ | W | 1,608.4 | 13 |   |    |    | oint o |        |       |       |   |
| 550 | Ν | 26 | 13   | E | 1,439.0 | 80 |   |    |    | oint o |        |       |       |   |
| 551 | Ν | 77 | 15   | E | 1,679.0 | 00 |   |    | Αţ | oint ( | on th  | e gro | ound  |   |
| 552 | S | 66 | 21   | E | 2,749.9 | 96 |   |    | Αţ | oint ( | on th  | e gro | ound  |   |
| 553 | S | 46 | 42   | E | 5,592.3 | 34 |   |    | Αŗ | oint   | on th  | e gro | ound  |   |
| 554 | S | 75 | 26   | E | 1,944.1 | 17 |   |    | Αţ | ooint  | on th  | e gro | ound  |   |
| 555 | S | 15 | 31   | E | 4,558.0 | 07 |   |    |    | point  |        |       |       |   |
| 556 | Ν | 43 | 14   | E | 2,786.7 | 75 |   |    |    | point  |        |       |       |   |
| 557 | Ν | 13 | 7    | W | 2,018.3 | 32 |   |    |    | point  |        |       |       |   |
| 558 | Ν | 38 | 33   | E | 826.0   | 02 |   |    |    | point  |        |       |       |   |
| 559 | Ν | 61 | 7    | E | 1,211.7 | 73 |   |    |    | ooint  |        |       |       |   |
| 560 | Ν | 65 | 56   | E | 2,722.  |    |   |    |    | ooint  |        |       |       |   |
| 561 | Ν | 0  | 33   | E | 2,713.2 |    |   | ٠. |    | point  |        |       |       |   |
| 562 | Ν | 70 | 38   | W | 1,447.8 |    |   |    |    | point  |        |       |       |   |
| 563 | S | 46 | 31   | W | 2,504.0 |    |   |    |    | point  |        |       |       |   |
| 564 | Ν | 3  |      | E | 2,217.  |    |   |    |    | point  |        |       |       |   |
| 565 | S | 55 | 7    |   | 5,652.  |    |   |    |    | point  |        |       |       |   |
| 566 | Ν | 8  | 23   |   | 2,732.  |    |   |    | Α  | point  | on th  | ne gr | ound  |   |
| 567 | S | 42 | 46   |   | 2,765.  |    |   |    |    | point  |        |       |       |   |
| 568 | Ν | 20 | 18   | W | 2,193.  |    |   |    |    | point  |        |       |       |   |
| 569 | Ν | 27 | 42   | E | 2,604.  |    |   |    |    | point  |        |       |       |   |
| 570 | S | 49 | 55   | E | 1,905.  |    |   |    |    | point  |        | _     |       |   |
| 571 | Ν | 80 | 37   | E | 2,090.  |    |   |    |    | point  |        |       |       |   |
| 572 | Ν | 62 |      |   | 993.    |    |   |    |    | point  |        |       |       |   |
| 573 | N | 13 | 9    | E | 5,965.  |    |   |    |    | point  |        |       |       |   |
| 574 | Ν | 39 | 37   | E | 2,515.  |    |   |    |    | point  |        |       |       |   |
| 575 | S | 3  | 52   |   | 3,079.  |    |   |    |    | point  |        | •     |       |   |
| 576 | Ν | 66 | 1    | E | 2,123.  |    |   |    |    | point  |        |       |       |   |
| 577 | S | 35 | 27   | E | 2,411.  |    |   |    |    | point  |        |       |       |   |
| 578 | S | 44 | 32   |   | 2,504.  |    |   |    |    | point  |        |       |       |   |
| 579 | S | 54 | 4    |   | 1,462.  |    |   |    |    | point  |        |       |       |   |
| 580 | N | 67 |      | E | 1,907.  |    |   |    |    | point  |        |       |       |   |
| 581 | N | 2  | 35   | W | 2,091.  | 25 |   |    | Α  | point  | on t   | ne g  | round | d |

containing an aggregate area of ONE HUNDRED TWENTY FIVE THOUSAND FOUR HUNDRED (125,400) HECTARES, more or less.





The area and technical description of the SINP and its Buffer Zone shall be subject to actual ground survey.

Any valid contract, permit or license for the extraction or utilization of natural resources already existing prior to this proclamation shall, subject to national interest and to existing laws, rules and regulations, be respected. Likewise, this proclamation shall be subject to existing private rights, including those over lands already classified as Alienable and Disposable.

All existing NIPAS protected areas within the abovementioned areas previously established prior to this proclamation shall be absorbed by and become part and parcel of the SINP.

The SINP and its Buffer Zone shall be under the administrative jurisdiction of the Department of Environment and Natural Resources (DENR), through the Protected Area Management Board (PAMB), and shall be managed in accordance with the provisions of the NIPAS Act of 1992. All existing sustainable utilization of natural resources within SINP not contrary to law nor incompatible with the Management Plan shall be respected. However, in order to effectively manage the large area of SINP and in consideration of the powers of the local government units under Republic Act 7160 (Local Government Code of 1991), the interim Protected Area Management Board (PAMB) provided for under the NIPAS Act of 1992 shall form a sub-PAMB for each of the three provinces, which in turn shall be each Chaired by the DENR and Co-Chaired by the concerned Provincial Governor.

**IN WITNESS WHEREOF**, I have hereunto set my hand and caused the seal of the Republic of the Philippines to be affixed.

Done in the City of Manila, this 13th day of August in the year of Our Lord, two thousand and three.

By the President:

ALBERTO G. ROMULO Executive Secretary

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