

## Introduced by SENATOR CYNTHIA A. VILLAR


#### Abstract

AN ACT DECLARING A PARCEL OF LAND LOCATED IN THE MUNICIPALITIES of MARIA AURORA AND SAN LUIS IN THE PROVINCE OF AURORA AND IN THE MUNICIPALITY OF BONGABON IN THE PROVINCE OF NUEVA ECIJA, A PROTECTED AREA WITH THE CATEGORY OF PROTECTED LANDSCAPE UNDER THE NATIONAL INTEGRATED PROTECTED AREA SYSTEM, TO BE REFERRED TO AS THE AURORA MEMORIAL PROTECTED LANDSCAPE, PROVIDING FOR ITS MANAGEMENT, AND APPROPRIATING FUNDS THEREFOR


## EXPLANATORY NOTE

Under the 1987 Philippine Constitution, it is a declared policy that the State "shall protect and advance the right of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature. ${ }^{11}$ In line with safeguarding a healthful ecology, the Constitution likewise provides that Congress shall determine the national parks, which shall be conserved and may not be increased nor diminished, except by law. ${ }^{2}$

Pursuant to the said constitutional provisions, the National Integrated Protected Areas System (NIPAS) was established by virtue of Republic Act (RA) No. 7586, as amended by RA No. 11038, otherwise known as the "Expanded NIPAS Act of 2018". Cognizant of the exacting impact of diverse human activities on all components of the

[^0]natural environment, the NIPAS Act declared it 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." The system shall encompass ecologically rich, unique and biologically important areas that are habitats of threatened species of plants and animals, biogeographic zones and related ecosystems, whether terrestrial, wetland or marine, all of which shall be designated as 'protected areas'. ${ }^{3}$

To date, as of May 2023, there are already 114 protected areas in the Philippines that have been so declared through legislation. And yet, based on the records and various suitability assessments by the Biodiversity Management Bureau (BMB) of the Department of Environment and Natural Resources (DENR), there are still numerous sites in the country that have to be given 'protected area' status, by legislative action, in order to ensure its conservation.

One of these sites is the Aurora Memorial National Park (AMNP). It is a significant site of biodiversity and history, which straddles the Municipalities of Maria Aurora and San Luis in the Province of Aurora, and extends to the Municipality of Bongabon in the Province of Nueva Ecija. This park forms part of the expansive Sierra Madre Mountain Corridor.

The Protected Area Suitability Assessment (PASA) of AMNP revealed the region's remarkable biodiversity, endemism, and biological significance. This site is a sanctuary for the majestic Philippine Eagle, the rare Rafflesia, and a myriad of other key species of flora and fauna, all of which underscore the rich biodiversity of the area. The AMNP is also recognized as an Important Bird Area, a testament to its ecological significance. Additionally, the AMNP bears considerable historical importance. This park was declared by the late President Manuel Quezon, through Presidential

[^1]Proclamation No. 130, in memory of the late Dona Aurora Angara Quezon who tragically met her end near the park's vicinity.

The unique and diverse topography of the park ranges from moderate to very steep slopes, nurturing a secondary growth forest characterized by dense vegetation and a variety of dipterocarp species. This includes pockets of untouched virgin forest and old-growth forest. Notably, the AMNP is also home to six striking waterfalls - Obot, Mansusuma, Ditaolag, Calaanan, Tres Marias, and Silangan - which present potential for ecotourism and recreational activities.

Given these attributes, it is crucial that we underscore the protection, preservation, and conservation of Aurora Memorial National Park as a national policy. This is in line with the provisions of Republic Act No. 11038 or the Expanded National Integrated Protected Areas System (eNIPAS) Act of 2018, and international conventions that the Philippines has agreed to uphold.

With the filing of House Bill No. 2785 declaring the Aurora Memorial National Park as a protected landscape by Representative Rommel Rico Angara of the Lone District of Aurora Province in the House of Representatives, I see the wisdom of filing a counterpart in the Senate.

Hence, I appeal for the swift passage of this bill.

SENATE
S. No. 2202


Introduced by SENATOR CYNTHIA A. VILLAR


#### Abstract

AN ACT DECLARING A PARCEL OF LAND LOCATED IN THE MUNICIPALITIES of MARIA AURORA AND SAN LUIS IN THE PROVINCE OF AURORA AND IN THE MUNICIPALITY OF BONGABON IN THE PROVINCE OF NUEVA ECIJA, A PROTECTED AREA WITH THE CATEGORY OF PROTECTED LANDSCAPE UNDER THE NATIONAL INTEGRATED PROTECTED AREA SYSTEM, TO BE REFERRED TO AS THE AURORA MEMORIAL PROTECTED LANDSCAPE, PROVIDING FOR ITS MANAGEMENT, AND APPROPRIATING FUNDS THEREFOR


Be it enacted by the Senate and the House of Representatives of the Philippines in Congress assembled:

## ARTICLE I

## GENERAL PROVISIONS

Sec. 1. Title. - This Act shall be known as the "Aurora Memorial Protected Landscape Act of 2023".

Sec. 2. Declaration of Policy. - Cognizant of the profound impact of human activity on all components of the natural environment, it is hereby declared 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 declaration of protected areas under the National Integrated Protected Areas System (NIPAS) within the classification of national park as provided for in the Constitution.

In recognition of the richness of the biological resources, both flora and fauna,
that are native and distinct to the Aurora Memorial National Park, as well as their aesthetic and ecological importance, the area is hereby declared a protected area under the category of protected landscape and shall hereinafter be referred to as the Aurora Memorial Protected Landscape (AMPL). As such, the State shall ensure the conservation, protection, management and rehabilitation of the area. It is likewise recognized that effective administration of this area is possible only through cooperation among the National Government, local government units (LGUs), concerned nongovernmental organizations (NGOs), private entities and local communities. The use and enjoyment of this area must be consistent with the principles of biological diversity and sustainable development.

Towards this end, the State shall ensure the full implementation of this Act, the mobilization of resources for the institutional mechanisms herein established, and the full scientific and technical support needed for the conservation of biodiversity and the integrity of the ecosystems, and cultural and indigenous practices.

Sec. 3. Definition of Terms, - As used in this Act:
a) Buffer zones refer to identified areas outside the boundaries of and immediately adjacent to designated protected areas that need special development control in order to avoid or minimize harm to the protected area;
b) Conservation refers to any act or acts of preservation and sustainable utilization of wildlife or maintenance, restoration and enhancement of habitats;
c) Indigenous cultural communities/Indigenous peoples (ICCs/IPs) refer to groups of people sharing common bonds of language, customs, traditions, and other distinctive cultural traits, and who have, since time immemorial occupied, possessed and utilized a territory;
d) National park refers to land of the public domain classified as such in the Constitution which includes all areas under the NIPAS, primarily designated for the conservation of native plants and animals, their associated habitats and cultural diversity;
e) Protected area refers to an identified portion of land and water set aside by reason of its unique physical and biological significance, managed to enhance biological diversity and protected against destructive human exploitation;
f) Protected landscape refers to areas of national significance which is characterized by the harmonious interaction of human and land and water while providing opportunities for public enjoyment through recreation, tourism, and other economic activities; and
g) Tenured migrants refer to protected area occupants who are presently occupying, and have been actually and continuously occupying, a portion of the protected area for five (5) years before the same was established by proclamation or law as a protected area, and are solely dependent therein for subsistence.

Sec. 4. Classification as a National Park. - The AMPL is comprised of a parcel of land of the public domain located in the Municipalities of Maria Aurora, San Luis, Baler and Dingalan in the Province of Aurora, and the Municipality of Bongabon, in the Province of Nueva Ecija. All lands of the public domain within the coverage and scope of the AMPL shall fall under the classification of national park as provided for in Article XII, Section 3 of the Constitution.

Sec. 5. Scope and Coverage. - The boundaries of the Aurora Memorial Protected Landscape are more particularly described as follows:

The boundary of the AMPL is more particularly described as the area beginning at a point marked " 1 " on the Map, being $N 49^{\circ} 29^{\prime} 49^{\prime \prime} W, 1,339.28$ meters from PRS'92

1 Control Monument "ARA-10" with a geographic coordinated of $15^{\circ} 45^{\prime} 1.096^{\prime \prime}$ latitude and $121^{\circ} 37^{\prime} 50.342^{\prime \prime}$ longitude located at Brgy. Sabali, Municipality of Baler, Aurora.

| thence | S | 480 $11^{\prime} 39^{\prime \prime}$ | E | 338.00 | meters to corner | 2; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $21^{\circ} 12^{\prime} 55^{\prime \prime}$ | E | 122.90 | meters to corner | 3; |
| thence | S | $21^{\circ} 48^{\prime \prime} 11^{\prime \prime}$ | W | 507.16 | meters to corner | 4; |
| thence | S | 720'47' $59^{\prime \prime}$ | E | 435.85 | meters to corner | 5; |
| thence | N | N $20^{\circ} 52^{\prime} 35^{\prime \prime}$ | E | 625.98 | meters to corner | 6; |
| thence | N | 41²9' $56^{\prime \prime}$ | E | 111.36 | meters to corner | 7; |
| thence | S | $81^{\circ} 07^{\prime \prime} 04^{\prime \prime}$ | E | 78.47 | meters to corner | 8; |
| thence | N | $63^{\circ} 26^{\prime \prime} 11^{\prime \prime}$ | E | 48.76 | meters to corner | 9; |
| thence | S | $10^{\circ} 37{ }^{\prime \prime} 04^{\prime \prime}$ | E | 39.44 | meters to corner | 10; |
| thence | S | $55^{\circ} 09^{\prime} 09^{\prime \prime}$ | E | 233.20 | meters to corner | 11; |
| thence | S | $08^{\circ} 58^{\prime \prime} 15^{\prime \prime}$ | E | 46.60 | meters to corner | 12; |
| thence | S | $51^{\circ} 54^{\prime} 35^{\prime \prime}$ | E | 113.89 | meters to corner | 13; |
| thence | N | N $81^{\circ} 34^{\prime} 28^{\prime \prime}$ | E | 66.13 | meters to corner | 14; |
| thence | S | $22^{\circ} 06^{\prime} 40^{\prime \prime}$ | W | 83.68 | meters to corner | 15; |
| thence | S | $17^{\circ} 35^{\prime} 27^{\prime \prime}$ | E | 104.20 | meters to corner | 16; |
| thence | S | $71^{\circ} 33^{\prime \prime} 4{ }^{\prime \prime}$ | E | 76.61 | meters to corner | 17; |
| thence | N | N 670 04' 10 " | E | 68.39 | meters to corner | 18; |
| thence | S | $50^{\circ} 26^{\prime} 19^{\prime \prime}$ | E | 72.27 | meters to corner | 19; |
| thence | N | N 530 50' $37{ }^{\prime \prime}$ | E | 78.02 | meters to corner | 20; |
| thence | S | (770 54' ${ }^{\prime \prime}$ | E | 34.69 | meters to corner | 21; |
| thence | S | $45^{\circ} 00^{\prime \prime} 0{ }^{\prime \prime}$ | W | 123.34 | meters to corner | 22; |
| thence | S | $36^{\circ} 15^{\prime} 08^{\prime \prime}$ | E | 45.06 | meters to corner | 23; |
| thence | N | N 7006' 59" | E | 121.08 | meters to corner | 24; |
| thence | S | S $34^{\circ} 29^{\prime} 43^{\prime \prime}$ | W | 479.12 | meters to corner | 25; |


| thence | N | $64^{\circ} 51^{\prime} 13^{\prime \prime}$ | W | 131.14 | meters to cor | corner | 26; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $62^{\circ} 52^{\prime} 49^{\prime \prime}$ | W | 111.60 | meters to corr | corner | 27; |
| thence | S | $20^{\circ} 46^{\prime} 26^{\prime \prime}$ | W | 150.28 | meters to cor | corner | 28; |
| thence | S | $01^{\circ} 54^{\prime \prime} 39$ | W | 145.44 | meters to cor | corner | 29; |
| thence | S | $24^{\circ} 46^{\prime} 37 \prime$ | W | 138.75 | meters to cor | corner | 30; |
| thence | S | 04 $45^{\prime} 55^{\prime \prime}$ | W | 175.03 | meters to cor | corner | 31; |
| thence | S | $64^{\circ} 47{ }^{\prime} 50$ | E | 91.04 | meters to cor | corner | 32; |
| thence | S | $86^{\circ} 03^{\prime \prime} 11^{\prime \prime}$ | E | 70.42 | meters to cor | corner | 33; |
| thence | S | $12^{\circ} 15^{\prime} 47^{\prime \prime}$ | E | 57.02 | meters to cor | corner | 34; |
| thence | S | $39^{\circ} 02^{\prime} 14^{\prime \prime}$ | W | 115.40 | meters to cor | corner | 35; |
| thence | S | $52^{\circ} 51^{\prime} 00 \prime$ | E | 68.02 | meters to cor | corner | 36; |
| thence | S | $66^{\circ} 18^{\prime} 59^{\prime \prime}$ | W | 360.61 | meters to cor | corner | 37; |
| thence | S | $51^{\circ} 31^{\prime \prime} 17$ | W | 203.87 | meters to cor | corner | 38; |
| thence | S | $71^{\circ} 42^{\prime \prime}$ | E | 260.75 | meters to cor | corner | 39; |
| thence | N | 880 50' $26^{\prime \prime}$ | E | 302.88 | meters to cor | corner | 40; |
| thence | S | $30^{\circ} 46^{\prime} 57 \prime$ | E | 335.81 | meters to cors | corner | 41; |
| thence | N | $87^{\circ} 46^{\prime \prime} 14^{\prime \prime}$ | E | 157.67 | meters to cor | corner | 42; |
| thence | N | $10^{\circ} 53^{\prime \prime} 14^{\prime \prime}$ | E | 379.20 | meters to cor | corner | 43; |
| thence | N | 09² 27 ' 38 | W | 398.26 | meters to co | corner | 44; |
| thence | N | $38^{\circ} 33^{\prime} 0{ }^{\prime \prime}$ | E | 120.96 | meters to co | corner | 45; |
| thence | N | $24^{\circ} 26^{\prime \prime} 44^{\prime \prime}$ | E | 117.09 | meters to cor | corner | 46; |
| thence | N | $89^{\circ} 05^{\prime \prime} 3{ }^{\prime \prime}$ | E | 152.65 | meters to cor | corner | 47; |
| thence | N | $45^{\circ} 51^{\prime} 01^{\prime \prime}$ | E | 53.95 | meters to cor | corner | 48; |
| thence | S | $18^{\circ} 44^{\prime} 34 \prime$ | W | 40.88 | meters to co | corner | 49; |
| thence | S | $52^{\circ} 25^{\prime} 58^{\prime \prime}$ | W | 22.68 | meters to cor | corner | 50; |
| thence | S | $78^{\circ} 11^{\prime} 57$ | W | 47.32 | meters to cor | corner | 51; |
| thence | S | $65^{\circ} 28^{\prime} 15^{\prime \prime}$ | W | 113.22 | meters to cor | corner | 52; |


| thence | S | $17^{\circ} 04^{\prime} 09^{\prime \prime}$ | W | 82.44 | meters to corner | 53; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $60^{\circ} 38^{\prime} 38^{\prime \prime}$ | W | 63.45 | meters to corner | 54; |
| thence | S | $32^{\circ} 56{ }^{\prime \prime} 13^{\prime \prime}$ | E | 58.48 | meters to corner | 55; |
| thence | S | $07^{\circ} 51^{\prime} 06^{\prime \prime}$ | E | 80.95 | meters to corner | 56; |
| thence | S | $43^{\circ} 49{ }^{\prime \prime}$ | E | 94.85 | meters to corner | 57; |
| thence | S | $67^{\circ} 08^{\prime} 36$ | E | 181.54 | meters to corner | 58; |
| thence | S | $19^{\circ} 14^{\prime} 51^{\prime \prime}$ | E | 46.13 | meters to corner | 59; |
| thence | S | $33^{\circ} 01^{\prime} 32^{\prime \prime}$ | W | 65.96 | meters to corner | 60; |
| thence | S | $21^{\circ} 19{ }^{\prime \prime}$ | E | 96.20 | meters to corner | 61; |
| thence | S | $04^{\circ} 26^{\prime \prime} 44^{\prime \prime}$ | E | 57.11 | meters to corner | 62; |
| thence | S | $28^{\circ} 23^{\prime} 41^{\prime \prime}$ | W | 145.38 | meters to corner | 63; |
| thence | S | 03 $19^{\prime} 56$ | E | 142.65 | meters to corner | 64; |
| thence | S | $29^{\circ} 06^{\prime} 32^{\prime \prime}$ | E | 192.26 | meters to corner | 65; |
| thence | S | $19^{\circ} 42^{\prime} 35^{\prime \prime}$ | W | 150.64 | meters to corner | 66; |
| thence | S | 050 02' 27 | E | 144.49 | meters to corner | 67; |
| thence | S | $06^{\circ} 48^{\prime} 39^{\prime \prime}$ | W | 142.83 | meters to corner | 68; |
| thence | S | $22^{\circ} 54^{\prime} 15^{\prime \prime}$ | E | 163.15 | meters to corner | 69; |
| thence | S | 05 ${ }^{\circ} 51^{\prime}$ 28" | W | 165.97 | meters to corner | 70; |
| thence | S | $23^{\circ} 24^{\prime} 38^{\prime \prime}$ | E | 223.74 | meters to corner | 71; |
| thence | S | $10^{\circ} 31^{\prime} 58^{\prime \prime}$ | W | 335.86 | meters to corner | 72; |
| thence | S | $52^{\circ} 11^{\prime} 42^{\prime \prime}$ | W | 155.39 | meters to corner | 73; |
| thence | S | $13^{\circ} 31^{\prime} 47^{\prime \prime}$ | W | 289.55 | meters to corner | 74; |
| thence | S | $25^{\circ} 41^{\prime} 43^{\prime \prime}$ | W | 248.98 | meters to corner | 75; |
| thence | S | $01^{\circ} 13^{\prime} 02^{\prime \prime}$ | E | 99.51 | meters to corner | 76; |
| thence | S | $81^{\circ} 23^{\prime} 10$ | W | 141.30 | meters to corner | 77; |
| thence | S | $29^{\circ} 55^{\prime} 47{ }^{\prime \prime}$ | E | 161.20 | meters to corner | 78; |
| thence | S | $07^{\circ} 07^{\prime} 36$ | W | 153.59 | meters to corner | 79; |


| thence | S | $20^{\circ} 41^{\prime} 37 \prime$ | E | 101.82 | meters to corner | 80; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $32^{\circ} 28^{\prime \prime} 23^{\prime \prime}$ | W | 82.79 | meters to corner | 81; |
| thence | S | $10^{\circ} 42^{\prime} 41^{\prime \prime}$ | E | 159.41 | meters to corner | 82; |
| thence | S | $58^{\circ} 45^{\prime} 33^{\prime \prime}$ | E | 151.01 | meters to corner | 83; |
| thence | S | 020 56' $57{ }^{\prime \prime}$ | E | 205.59 | meters to corner | 84; |
| thence | S | $30^{\circ} 57^{\prime \prime} 55^{\prime \prime}$ | W | 209.82 | meters to corner | 85; |
| thence | N | $36^{\circ} 52^{\prime} 07^{\prime \prime}$ | W | 46.03 | meters to corner | 86; |
| thence | N | $09^{\circ} 05^{\prime \prime} 38^{\prime \prime}$ | W | 343.61 | meters to corner | 87; |
| thence | N | $13^{\circ} 57^{\prime} 03^{\prime \prime}$ | W | 332.00 | meters to corner | 88; |
| thence | N | $28^{\circ} 02^{\prime \prime} 35^{\prime \prime}$ | W | 285.01 | meters to corner | 89; |
| thence | N | $31^{\circ} 57{ }^{\prime \prime}$ | W | 1,105.40 | meters to corner | 90; |
| thence | N | $81^{\circ} 09^{\prime \prime} 00$ | W | 410.14 | meters to corner | 91; |
| thence | N | $11^{\circ} 12^{\prime} 33^{\prime \prime}$ | E | 291.11 | meters to corner | 92; |
| thence | N | 09² 47' 08' | W | 244.33 | meters to corner | 93; |
| thence | N | $16^{\circ} 46^{\prime} 42^{\prime \prime}$ | W | 480.99 | meters to corner | 94; |
| thence | N | $17^{\circ} 23^{\prime \prime} 48^{\prime \prime}$ | E | 134.96 | meters to corner | 95; |
| thence | N | $81^{\circ} 39^{\prime \prime}$ | W | 680.65 | meters to corner | 96; |
| thence | S | $70^{\circ} 42^{\prime} 14^{\prime \prime}$ | W | 514.09 | meters to corner | 97; |
| thence | S | $79^{\circ} 05^{\prime \prime} 27^{\prime \prime}$ | W | 496.76 | meters to corner | 98; |
| thence | S | $54^{\circ} 24^{\prime} 30^{\prime \prime}$ | W | 466.06 | meters to corner | 99; |
| thence | S | $37^{\circ} 56^{\prime} 51^{\prime \prime}$ | W | 3,322.74 | meters to corner | 100; |
| thence | N | $71^{\circ} 20^{\prime \prime}$ | W | 118.79 | meters to corner | 101; |
| thence | N | $73^{\circ} 59^{\prime \prime} 0{ }^{\prime \prime}$ | W | 200.81 | meters to corner | 102; |
| thence | S | $75^{\circ} 26^{\prime} 00^{\prime \prime}$ | W | 357.73 | meters to corner | 103; |
| thence | S | $38^{\circ} 30^{\prime} 31^{\prime \prime}$ | W | 384.20 | meters to corner | 104; |
| thence | S | $14^{\circ} 12^{\prime} 13^{\prime \prime}$ | E | 281.83 | meters to corner | 105; |
| thence | S | $14^{\circ} 31^{\prime} 15^{\prime \prime}$ | W | 168.00 | meters to corner | 106; |


| thence | S | $38^{\circ} 06^{\prime} 58^{\prime \prime}$ | W | 167.07 | meters to corner | 107; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $17^{\circ} 47^{\prime} 27^{\prime \prime}$ | W | 210.08 | meters to corner | 108; |
| thence | S | $56^{\circ} 06^{\prime} 03^{\prime \prime}$ | W | 217.09 | meters to corner | 109; |
| thence | S | $35^{\circ} 16^{\prime} 57^{\prime \prime}$ | E | 159.27 | meters to corner | 110; |
| thence | S | $81^{\circ} 19^{\prime} 54^{\prime \prime}$ | W | 254.34 | meters to corner | 111; |
| thence | S | $41^{\circ} 25^{\prime} 02^{\prime \prime}$ | W | 307.96 | meters to corner | 112; |
| thence | N | $79^{\circ} 57^{\prime \prime} 3{ }^{\prime \prime}$ | W | 237.18 | meters to corner | 113; |
| thence | S | $23^{\circ} 01^{\prime \prime} 19^{\prime \prime}$ | W | 118.59 | meters to corner | 114; |
| thence | N | $77^{\circ} 53^{\prime \prime} 56$ | W | 248.74 | meters to corner | 115; |
| thence | N | N 770 53' 56" | W | 93.95 | meters to corner | 116; |
| thence | S | $48^{\circ} 28^{\prime} 52^{\prime \prime}$ | W | 217.25 | meters to corner | 117; |
| thence | S | $07^{\circ} 33^{\prime \prime} 25^{\prime \prime}$ | E | 174.09 | meters to corner | 118; |
| thence | S | $42^{\circ} 16^{\prime} 50$ | W | 213.61 | meters to corner | 119; |
| thence | S | 56 $47^{\prime} 54^{\prime \prime}$ | W | 180.99 | meters to corner | 120; |
| thence | S | $73^{\circ} 17^{\prime} 39^{\prime \prime}$ | E | 191.07 | meters to corner | 121; |
| thence | S | $11^{\circ} 33^{\prime} 17^{\prime \prime}$ | E | 156.22 | meters to corner | 122; |
| thence | S | $69^{\circ} 38^{\prime} 19^{\prime \prime}$ | E | 117.75 | meters to corner | 123; |
| thence | S | $39^{\circ} 34^{\prime} 45^{\prime \prime}$ | E | 308.89 | meters to corner | 124; |
| thence | S | $03^{\circ} 27^{\prime} 24^{\prime \prime}$ | W | 144.55 | meters to corner | 125; |
| thence | S | $23^{\circ} 59^{\prime \prime} 05^{\prime \prime}$ | E | 300.18 | meters to corner | 126; |
| thence | S | $30^{\circ} 41^{\prime} 31^{\prime \prime}$ | W | 281.81 | meters to corner | 127; |
| thence | S | $27^{\circ} 39^{\prime \prime} 07^{\prime \prime}$ | E | 185.37 | meters to corner | 128; |
| thence | S | $20^{\circ} 13^{\prime} 23^{\prime \prime}$ | W | 94.24 | meters to corner | 129; |
| thence | S | $76^{\circ} 16^{\prime} 31^{\prime \prime}$ | E | 736.62 | meters to corner | 130; |
| thence | S | $15^{\circ} 06^{\prime} 02^{\prime \prime}$ | W | 1,239.81 | meters to corner | 131; |
| thence | S | 66º 50' $07{ }^{\prime \prime}$ | W | 543.39 | meters to corner | 132; |
| thence | S | 16º $03^{\prime \prime} 40$ | W | 790.78 | meters to corner | 133; |


| thence | S | 03² 23 ' 38' | W | 1,295.25 | meters to | corner | 134; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $31^{\circ} 23 ' 38{ }^{\prime \prime}$ | W | 350.80 | meters to | corner | 135; |
| thence | N | $84^{\circ} 43^{\prime} 50$ | W | 783.57 | meters to | corner | 136; |
| thence | S | 625 $56^{\prime \prime}$ | W | 597.30 | meters to | corner | 137; |
| thence | S | $80^{\circ} 23^{\prime} 23^{\prime \prime}$ | W | 481.28 | meters to | corner | 138; |
| thence | N | $10^{\circ} 37{ }^{\prime \prime}$ | W | 373.77 | meters to | corner | 139; |
| thence | N | 670 52' 47" | E | 1,016.19 | meters to | corner | 140; |
| thence | N | $30^{\circ} 01^{\prime \prime} 5{ }^{\prime \prime}$ | W | 565.79 | meters to | corner | 141; |
| thence | N | 890 59' 54' | W | 367.37 | meters to | corner | 142; |
| thence | N | $57^{\circ} 18^{\prime \prime} 23^{\prime \prime}$ | W | 579.43 | meters to | corner | 143; |
| thence | N | $19^{\circ} 29^{\prime \prime} 00$ | W | 1,486.93 | meters to | corner | 144; |
| thence | S | $32^{\circ} 27^{\prime} 07^{\prime \prime}$ | W | 908.36 | meters to | corner | 145; |
| thence | S | $27^{\circ} 19^{\prime} 41^{\prime \prime}$ | W | 898.83 | meters to | corner | 146; |
| thence | S | $87^{\circ} 23^{\prime \prime} 08^{\prime \prime}$ | W | 453.67 | meters to | corner | 147; |
| thence | N | $50^{\circ} 29^{\prime \prime} 42^{\prime \prime}$ | W | 634.01 | meters to | corner | 148; |
| thence | S | $41^{\circ} 56^{\prime \prime} 17^{\prime \prime}$ | W | 997.85 | meters to | corner | 149; |
| thence | S | $45^{\circ} 50{ }^{\prime \prime}$ | W | 747.51 | meters to | corner | 150; |
| thence | S | $72^{\circ} 24^{\prime} 10$ | W | 787.26 | meters to | corner | 151; |
| thence | N | $85^{\circ} 55^{\prime} 41^{\prime \prime}$ | W | 549.27 | meters to | corner | 152; |
| thence | S | $22^{\circ} 57{ }^{\prime \prime}$ | W | 410.44 | meters to | corner | 153; |
| thence | S | $84^{\circ} 17^{\prime} 09^{\prime \prime}$ | W | 905.81 | meters to | corner | 154; |
| thence | N | 58 $19^{\prime}$ 22' | W | 444.56 | meters to | corner | 155; |
| thence | N | $85^{\circ} 10^{\prime} 05^{\prime \prime}$ | W | 573.57 | meters to | corner | 156; |
| thence | S | $57^{\circ} 58{ }^{\prime} 35^{\prime \prime}$ | W | 423.37 | meters to | corner | 157; |
| thence | N | $52^{\circ} 59^{\prime \prime} 54^{\prime \prime}$ | W | 950.01 | meters to | corner | 158; |
| thence | S | $60^{\circ} 35^{\prime} 06^{\prime \prime}$ | W | 1,165.84 | meters to | corner | 159; |
| thence | S | $21^{\circ} 10^{\prime} 29$ | W | 874.61 | meters to | corner | 160; |


| thence | S | 01³ $33^{\prime \prime} 08^{\prime \prime}$ | W | 1,013.54 | meters to corner | 161; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $23^{\circ} 54^{\prime} 26^{\prime \prime}$ | E | 505.74 | meters to corner | 162; |
| thence | S | $45^{\circ} 56{ }^{\prime \prime}$ | E | 335.61 | meters to corner | 163; |
| thence | S | $07^{\circ} 54^{\prime} 14^{\prime \prime}$ | E | 318.97 | meters to corner | 164; |
| thence | S | $68^{\circ} 42^{\prime} 29^{\prime \prime}$ | W | 945.39 | meters to corner | 165; |
| thence | S | $39^{\circ} 53 ' 04 "$ | W | 1,842.00 | meters to corner | 166; |
| thence | N | $89^{\circ} 50^{\prime \prime} 38^{\prime \prime}$ | W | 2,704.24 | meters to corner | 167; |
| thence | S | $51^{\circ} 56{ }^{\prime \prime} 14^{\prime \prime}$ | E | 567.16 | meters to corner | 168; |
| thence | S | $22^{\circ} 40{ }^{\prime \prime}$ | E | 1,451.16 | meters to corner | 169; |
| thence | S | $64^{\circ} 32{ }^{\prime \prime}$ | E | 875.58 | meters to corner | 170; |
| thence | S | $00^{\circ} 21^{\prime} 00 \prime$ | W | 884.65 | meters to corner | 171; |
| thence | S | $39^{\circ} 14^{\prime} 21^{\prime \prime}$ | W | 416.59 | meters to corner | 172; |
| thence | S | $19^{\circ} 56^{\prime} 50$ | E | 772.34 | meters to corner | 173; |
| thence | S | $34^{\circ} 10^{\prime} 08^{\prime \prime}$ | W | 1,790.63 | meters to corner | 174; |
| thence | S | $10^{\circ} 43^{\prime} 41^{\prime \prime}$ | W | 1,242.46 | meters to corner | 175; |
| thence | S | $34^{\circ} 00^{\prime \prime} 5$ | W | 2,530.2 | meters to corner | 176; |
| thence | S | $01^{\circ} 02^{\prime \prime} 46$ | W | 2,345.10 | meters to corner | 177; |
| thence | S | $35^{\circ} 48^{\prime} 18^{\prime \prime}$ | W | 1,110.93 | meters to corner | 178; |
| thence | S | 08² $27{ }^{\prime \prime}$ | W | 1,648.55 | meters to corner | 179; |
| thence | S | $67^{\circ} 30^{\prime} 55^{\prime \prime}$ | W | 780.11 | meters to corner | 180; |
| thence | S | $07^{\circ} 49^{\prime} 15^{\prime \prime}$ | W | 1,693.66 | meters to corner | 181; |
| thence | S | $23^{\circ} 34^{\prime} 34^{\prime \prime}$ | E | 1,875.88 | meters to corner | 182; |
| thence | S | $46^{\circ} 26^{\prime} 45^{\prime \prime}$ | E | 3,246.25 | meters to corner | 183; |
| thence | S | $54^{\circ} 02^{\prime} 45^{\prime \prime}$ | E | 567.75 | meters to corner | 184; |
| thence | S | $20^{\circ} 25^{\prime} 14 "$ | E | 592.62 | meters to corner | 185; |
| thence | S | $14^{\circ} 15^{\prime} 47^{\prime \prime}$ | W | 911.36 | meters to corner | 186; |
| thence | N | $54^{\circ} 55^{\prime \prime} 35^{\prime \prime}$ | W | 3,262.08 | meters to corner | 187; |


| thence | S | $38^{\circ} 59^{\prime} 30 \prime$ | W | 847.19 | meters to corner | 188; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | 540 $47{ }^{\prime} 1{ }^{\prime \prime}$ | W | 362.70 | meters to corner | 189; |
| thence | N | $11^{\circ} 42^{\prime} 21^{\prime \prime}$ | W | 641.30 | meters to corner | 190; |
| thence | S | $63^{\circ} 54^{\prime} 01^{\prime \prime}$ | W | 794.32 | meters to corner | 191; |
| thence | N | $09^{\circ} 51^{\prime} 19^{\prime \prime}$ | E | 267.57 | meters to corner | 192; |
| thence | N | $61^{\circ} 13^{\prime} 47{ }^{\prime \prime}$ | W | 359.17 | meters to corner | 193; |
| thence | S | $87^{\circ} 05^{\prime \prime} 33^{\prime \prime}$ | W | 373.84 | meters to corner | 194; |
| thence | N | $27^{\circ} 14^{\prime} 05^{\prime \prime}$ | W | 995.48 | meters to corner | 195; |
| thence | N | $32^{\circ} 51^{\prime} 12^{\prime \prime}$ | W | 944.29 | meters to corner | 196; |
| thence | N | $19^{\circ} 51^{\prime} 12^{\prime \prime}$ | W | 359.24 | meters to corner | 197; |
| thence | N | $43^{\circ} 20^{\prime \prime} 50$ | W | 453.12 | meters to corner | 198; |
| thence | N | $22^{\circ} 24^{\prime} 11^{\prime \prime}$ | E | 1,624.22 | meters to corner | 199; |
| thence | N | $21^{\circ} 28^{\prime \prime} 47$ | E | 3,480.44 | meters to corner | 200; |
| thence | N | $21^{\circ} 28^{\prime \prime} 47$ | E | 26.52 | meters to corner | 201; |
| thence | N | $24^{\circ} 41^{\prime} 0{ }^{\prime \prime}$ | W | 12,487.70 | meters to corner | 202; |
| thence | N | $17^{\circ} 43^{\prime} 11^{\prime \prime}$ | W | 6,645.18 | meters to corner | 203; |
| thence | N | $16^{\circ} 40^{\prime} 16^{\prime \prime}$ | W | 4,037.19 | meters to corner | 204; |
| thence | S | $76^{\circ} 31^{\prime} 56$ | W | 236.99 | meters to corner | 205; |
| thence | S | $34^{\circ} 27^{\prime \prime} 47^{\prime \prime}$ | W | 226.05 | meters to corner | 206; |
| thence | S | $20^{\circ} 34^{\prime} 37$ | W | 540.44 | meters to corner | 207; |
| thence | S | $71^{\circ} 39^{\prime} 36$ | W | 360.63 | meters to corner | 208; |
| thence | S | $58^{\circ} 39^{\prime} 36$ | W | 495.87 | meters to corner | 209; |
| thence | S | $15^{\circ} 20^{\prime} 24^{\prime \prime}$ | E | 563.48 | meters to corner | 210; |
| thence | S | $43^{\circ} 20^{\prime} 24^{\prime \prime}$ | E | 101.43 | meters to corner | 211; |
| thence | S | 32³ $39^{\prime} 36$ | W | 202.85 | meters to corner | 212; |
| thence | S | 060 08' $24^{\prime \prime}$ | E | 394.31 | meters to corner | 213; |
| thence | S | $76^{\circ} 39^{\prime \prime} 36$ | W | 281.74 | meters to corner | 214; |


| thence | S | $31^{\circ} 16^{\prime} 30^{\prime \prime}$ | W | 438.92 | meters to corner | 215; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $53^{\circ} 39^{\prime} 36^{\prime \prime}$ | W | 214.12 | meters to corner | 216; |
| thence | S | $02^{\circ} 23^{\prime \prime} 20$ | E | 461.77 | meters to corner | 217; |
| thence | S | $13^{\circ} 39^{\prime} 36^{\prime \prime}$ | W | 90.16 | meters to corner | 218; |
| thence | N | $87^{\circ} 48^{\prime} 02^{\prime \prime}$ | W | 304.69 | meters to corner | 219; |
| thence | S | $17^{\circ} 32^{\prime} 40^{\prime \prime}$ | W | 904.09 | meters to corner | 220; |
| thence | S | $03^{\circ} 32^{\prime} 40^{\prime \prime}$ | W | 378.46 | meters to corner | 221; |
| thence | S | $15^{\circ} 32^{\prime} 40^{\prime \prime}$ | W | 378.46 | meters to corner | 222; |
| thence | S | $46^{\circ} 28^{\prime} 25^{\prime \prime}$ | W | 467.24 | meters to corner | 223; |
| thence | S | $15^{\circ} 32^{\prime} 40^{\prime \prime}$ | W | 283.84 | meters to corner | 224; |
| thence | N | $43^{\circ} 38^{\prime} 33^{\prime \prime}$ | W | 95.18 | meters to corner | 225; |
| thence | $N$ | $01^{\circ} 34^{\prime \prime}$ | W | 296.35 | meters to corner | 226; |
| thence | N | $15^{\circ} 40{ }^{\prime \prime}$ | W | 507.73 | meters to corner | 227; |
| thence | N | $21^{\circ} 47{ }^{\prime} 59$ | W | 210.58 | meters to corner | 228; |
| thence | N | $87^{\circ} 59^{\prime \prime} 54$ | W | 210.00 | meters to corner | 229; |
| thence | S | $29^{\circ} 00^{\prime \prime} 06^{\prime \prime}$ | W | 280.00 | meters to corner | 230; |
| thence | N | $84^{\circ} 59^{\prime} 54^{\prime \prime}$ | W | 260.00 | meters to corner | 231; |
| thence | N | $12^{\circ} 59^{\prime} 54$ | W | 130.00 | meters to corner | 232; |
| thence | S | $71^{\circ} 00^{\prime} 06^{\prime \prime}$ | W | 300.00 | meters to corner | 233; |
| thence | N | $22^{\circ} 19^{\prime \prime} 23^{\prime \prime}$ | W | 133.14 | meters to corner | 234; |
| thence | N | $89^{\circ} 08^{\prime} 34^{\prime \prime}$ | W | 342.16 | meters to corner | 235; |
| thence | N | $32^{\circ} 43^{\prime} 11^{\prime \prime}$ | W | 324.23 | meters to corner | 236; |
| thence | N | $12^{\circ} 39^{\prime} 26^{\prime \prime}$ | E | 238.58 | meters to corner | 237; |
| thence | S | $86^{\circ} 21^{\prime} 09^{\prime \prime}$ | W | 243.13 | meters to corner | 238; |
| thence | S | $77^{\circ} 00^{\prime} 06^{\prime \prime}$ | W | 375.95 | meters to corner | 239; |
| thence | N | $71^{\circ} 28^{\prime \prime} 10$ | W | 280.93 | meters to corner | 240; |
| thence | N | $52^{\circ} 48{ }^{\prime} 09^{\prime \prime}$ | W | 535.32 | meters to corner | 241; |


| thence | S | $56^{\circ} 42^{\prime \prime} 01^{\prime \prime}$ | W | 142.92 | meters to | corner | 242; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $71^{\circ} 05^{\prime \prime} 25^{\prime \prime}$ | W | 525.97 | meters to | corner | 243; |
| thence | S | 780 51' $23^{\prime \prime}$ | W | 287.98 | meters to | corner | 244; |
| thence | S | $39^{\circ} 19^{\prime} 34^{\prime \prime}$ | W | 490.53 | meters to | corner | 245; |
| thence | N | $68^{\circ} 50^{\prime \prime} 26^{\prime \prime}$ | W | 562.72 | meters to | corner | 246; |
| thence | S | $87^{\circ} 34^{\prime} 02^{\prime \prime}$ | W | 1,021.37 | meters to | corner | 247; |
| thence | N | $17^{\circ} 28^{\prime} 36 "$ | E | 201.00 | meters to | corner | 248; |
| thence | N | $60^{\circ} 23{ }^{\prime} 01^{\prime \prime}$ | E | 227.17 | meters to | corner | 249; |
| thence | N | $33^{\circ} 18^{\prime} 44^{\prime \prime}$ | E | 226.60 | meters to | corner | 250; |
| thence | N | 01 51' 21 " | W | 101.10 | meters to | corner | 251; |
| thence | N | $33^{\circ} 14^{\prime} 28^{\prime \prime}$ | W | 35.54 | meters to | corner | 252; |
| thence | N | $43^{\circ} 13^{\prime} 14^{\prime \prime}$ | E | 23.21 | meters to | corner | 253; |
| thence | S | $74^{\circ} 37^{\prime \prime} 02^{\prime \prime}$ | E | 36.68 | meters to | corner | 254; |
| thence | N | $46^{\circ} 50^{\prime \prime} 18$ | E | 48.59 | meters to | corner | 255; |
| thence | N | $03^{\circ} 33{ }^{\prime \prime}$ | E | 171.59 | meters to | corner | 256; |
| thence | N | $14^{\circ} 17^{\prime} 04^{\prime \prime}$ | E | 96.40 | meters to | corner | 257; |
| thence | N | $31^{\circ} 55^{\prime} 01^{\prime \prime}$ | E | 104.81 | meters to | corner | 258; |
| thence | N | $29^{\circ} 39^{\prime \prime} 14^{\prime \prime}$ | E | 259.41 | meters to | corner | 259; |
| thence | N | $05^{\circ} 00^{\prime} 49^{\prime \prime}$ | E | 126.04 | meters to | corner | 260; |
| thence | N | $20^{\circ} 21^{\prime} 30$ | E | 147.59 | meters to | corner | 261; |
| thence | N | $30^{\circ} 23 ' 57{ }^{\prime \prime}$ | E | 103.77 | meters to | corner | 262; |
| thence | N | $53^{\circ} 54^{\prime} 31{ }^{\prime \prime}$ | E | 150.89 | meters to | corner | 263; |
| thence | N | $34^{\circ} 04^{\prime} 13^{\prime \prime}$ | E | 507.74 | meters to | corner | 264; |
| thence | S | $75^{\circ} 23^{\prime \prime} 54^{\prime \prime}$ | E | 173.84 | meters to | corner | 265; |
| thence | N | $40^{\circ} 23^{\prime} 37$ | E | 194.86 | meters to | corner | 266; |
| thence | N | $83^{\circ} 13^{\prime} 10^{\prime \prime}$ | E | 415.60 | meters to | corner | 267; |
| thence | N | $72^{\circ} 43 ' 57$ | E | 203.56 | meters to | corner | 268; |


| thence | S | $41^{\circ} 27^{\prime \prime} 51^{\prime \prime}$ | E | 365.38 | meters to corner | 269; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $31^{\circ} 37{ }^{\prime \prime} 1{ }^{\prime \prime}$ | E | 302.22 | meters to corner | 270; |
| thence | N | $48^{\circ} 38^{\prime} 41^{\prime \prime}$ | E | 437.80 | meters to corner | 271; |
| thence | N | $84^{\circ} 30^{\prime} 34^{\prime \prime}$ | E | 362.68 | meters to corner | 272; |
| thence | N | $56^{\circ} 31^{\prime} 16^{\prime \prime}$ | E | 365.51 | meters to corner | 273; |
| thence | S | $33^{\circ} 51^{\prime} 08^{\prime \prime}$ | E | 117.40 | meters to corner | 274; |
| thence | S | 030 55' $22^{\prime \prime}$ | E | 383.05 | meters to corner | 275; |
| thence | S | $31^{\circ} 09^{\prime \prime} 38^{\prime \prime}$ | E | 316.06 | meters to corner | 276; |
| thence | S | $39^{\circ} 19^{\prime \prime} 15^{\prime \prime}$ | E | 281.20 | meters to corner | 277; |
| thence | N | $60^{\circ} 09^{\prime} 21^{\prime \prime}$ | E | 162.75 | meters to corner | 278; |
| thence | N | $13^{\circ} 05^{\prime} 04^{\prime \prime}$ | E | 152.26 | meters to corner | 279; |
| thence | N | $50^{\circ} 07{ }^{\prime} 03^{\prime \prime}$ | E | 205.40 | meters to corner | 280; |
| thence | S | $75^{\circ} 54^{\prime} 12^{\prime \prime}$ | E | 180.45 | meters to corner | 281; |
| thence | N | $56^{\circ} 04^{\prime} 31{ }^{\prime \prime}$ | E | 188.27 | meters to corner | 282; |
| thence | S | $78^{\circ} 55^{\prime \prime} 2{ }^{\prime \prime}$ | E | 306.24 | meters to corner | 283; |
| thence | N | $53^{\circ} 20^{\prime \prime} 44^{\prime \prime}$ | E | 248.08 | meters to corner | 284; |
| thence | N | $70^{\circ} 42^{\prime \prime} 2{ }^{\prime \prime}$ | E | 515.11 | meters to corner | 285; |
| thence | S | $63^{\circ} 19^{\prime} 10^{\prime \prime}$ | E | 94.16 | meters to corner | 286; |
| thence | N | $72^{\circ} 25^{\prime} 27$ | E | 166.43 | meters to corner | 287; |
| thence | N | $30^{\circ} 51^{\prime} 53 '$ | E | 566.15 | meters to corner | 288; |
| thence | N | $15^{\circ} 15^{\prime} 24^{\prime \prime}$ | E | 237.47 | meters to corner | 289; |
| thence | N | $45^{\circ} 27^{\prime} 46$ | E | 209.10 | meters to corner | 290; |
| thence | N | $23^{\circ} 55^{\prime} 42^{\prime \prime}$ | E | 160.69 | meters to corner | 291; |
| thence | N | $35^{\circ} 31^{\prime} 14^{\prime \prime}$ | E | 190.92 | meters to corner | 292; |
| thence | N | $52^{\circ} 39^{\prime} 43^{\prime \prime}$ | E | 282.34 | meters to corner | 293; |
| thence | N | $31^{\circ} 26^{\prime} 47^{\prime \prime}$ | E | 612.16 | meters to corner | 294; |
| thence | N | $50^{\circ} 00{ }^{\prime} 06$ | E | 270.00 | meters to corner | 295; |


| thence | S | $83^{\circ} 13^{\prime} 56{ }^{\prime \prime}$ | E | 244.36 | meters to | corner | 296; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $46^{\circ} 59 ' 54 "$ | E | 204.57 | meters to | corner | 297; |
| thence | N | $61^{\circ} 22^{\prime \prime} 17$ | E | 473.56 | meters to | corner | 298; |
| thence | S | $73^{\circ} 32^{\prime} 17^{\prime \prime}$ | E | 212.35 | meters to | corner | 299; |
| thence | S | $39^{\circ} 56{ }^{\prime \prime}$ | E | 129.78 | meters to | corner | 300; |
| thence | S | $87^{\circ} 52^{\prime} 38^{\prime \prime}$ | E | 125.05 | meters to | corner | 301; |
| thence | S | $64^{\circ} 10{ }^{\prime \prime} 5{ }^{\prime \prime}$ | E | 136.38 | meters to | corner | 302; |
| thence | N | 690 58' $06^{\prime \prime}$ | E | 446.70 | meters to | corner | 303; |
| thence | N | $49^{\circ} 37{ }^{\prime \prime} 45^{\prime \prime}$ | E | 528.41 | meters to | corner | 304; |
| thence | N | $64^{\circ} 36{ }^{\prime \prime}$ | E | 153.32 | meters to | corner | 305; |
| thence | N | $80^{\circ} 00{ }^{\prime \prime} 5$ | E | 178.28 | meters to | corner | 306; |
| thence | N | $51^{\circ} 48^{\prime} 11^{\prime \prime}$ | E | 226.12 | meters to | corner | 307; |
| thence | $N$ | $03^{\circ} 27^{\prime \prime} 42^{\prime \prime}$ | E | 126.82 | meters to | corner | 308; |
| thence | N | 250 51' $47{ }^{\prime \prime}$ | E | 241.28 | meters to | corner | 309; |
| thence | N | $73^{\circ} 48^{\prime \prime} 45^{\prime \prime}$ | E | 142.54 | meters to | corner | 310; |
| thence | N | $51^{\circ} 14^{\prime} 43^{\prime \prime}$ | E | 131.28 | meters to | corner | 311; |
| thence | N | $89^{\circ} 57{ }^{\prime \prime} 4{ }^{\prime \prime}$ | E | 550.43 | meters to | corner | 312; |
| thence | N | $25^{\circ} 30^{\prime} 43^{\prime \prime}$ | W | 210.58 | meters to | corner | 313; |
| thence | N | $39^{\circ} 59^{\prime \prime} 14^{\prime \prime}$ | E | 174.74 | meters to | corner | 314; |
| thence | N | $06^{\circ} 39^{\prime \prime}$ | E | 260.90 | meters to | corner | 315; |
| thence | N | $10^{\circ} 53^{\prime} 13^{\prime \prime}$ | E | 228.71 | meters to | corner | 316; |
| thence | N | 490 58' $21^{\prime \prime}$ | E | 141.02 | meters to | corner | 317; |
| thence | N | 080 51' 28 | W | 471.99 | meters to | corner | 318; |
| thence | N | $30^{\circ} 54^{\prime} 43^{\prime \prime}$ | W | 202.06 | meters to | corner | 319; |
| thence | N | 45º $40^{\prime}$ 54' | W | 286.96 | meters to | corner | 320; |
| thence | N | $01^{\circ} 07^{\prime \prime}$ | W | 89.00 | meters to | corner | 321; |
| thence | N | $39^{\circ} 11^{\prime} 13^{\prime \prime}$ | W | 110.69 | meters to | corner | 322; |


| thence | N | $07^{\circ} 19^{\prime} 41^{\prime \prime}$ | W | 122.82 | meters to corner | 323; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $17^{\circ} 34^{\prime} 34^{\prime \prime}$ | E | 315.42 | meters to corner | 324; |
| thence | N | 08 $52{ }^{\prime}$ 02' | E | 177.08 | meters to corner | 325 |
| thence | N | $00^{\circ} 11^{\prime} 42 \prime$ | W | 303.04 | meters to corner | 326 |
| thence | S | $65^{\circ} 04^{\prime \prime}$ | E | 144.51 | meters to corner | 327; |
| thence | S | $49^{\circ} 53^{\prime} 31^{\prime \prime}$ | E | 282.08 | meters to corner | 328; |
| thence | S | $76^{\circ} 13^{\prime \prime} 03^{\prime \prime}$ | E | 123.51 | meters to corner | 329; |
| thence | S | $25^{\circ} 04^{\prime} 38^{\prime \prime}$ | E | 253.61 | meters to corner | 330; |
| thence | S | $41^{\circ} 36{ }^{\prime \prime}$ | E | 247.42 | meters to corner | 331; |
| thence | S | $87^{\circ} 18^{\prime} 50$ | E | 276.72 | meters to corner | 332; |
| thence | S | $13^{\circ} 17^{\prime} 16^{\prime \prime}$ | W | 319.52 | meters to corner | 333; |
| thence | S | $31^{\circ} 36^{\prime \prime} 22^{\prime \prime}$ | E | 263.71 | meters to corner | 334; |
| thence | S | 85 ${ }^{\circ} 12^{\prime \prime} 03^{\prime \prime}$ | E | 903.68 | meters to corner | 335; |
| thence | N | $23^{\circ} 55^{\prime} 41^{\prime \prime}$ | E | 123.78 | meters to corner | 336 |
| thence | N | $69^{\circ} 04^{\prime} 12^{\prime \prime}$ | E | 132.80 | meters to corner | 337; |
| thence | N | $30^{\circ} 29^{\prime \prime} 38^{\prime \prime}$ | E | 225.55 | meters to corner | 338; |
| thence | N | 08 $48^{\prime}$ 26" | E | 119.62 | meters to corner | 339; |
| thence | N | $46^{\circ} 56^{\prime \prime} 5{ }^{\prime \prime}$ | E | 86.57 | meters to corner | 340; |
| thence | N | $06^{\circ} 35^{\prime \prime}$ 23' | E | 43.58 | meters to corner | 341; |
| thence | N | $45^{\circ} 00^{\prime} 07^{\prime \prime}$ | E | 27.07 | meters to corner | 342; |
| thence | S | $57^{\circ} 57{ }^{\prime \prime}$ | E | 54.44 | meters to corner | 343; |
| thence | N | $85^{\circ} 11^{\prime} 33^{\prime \prime}$ | E | 231.88 | meters to corner | 344; |
| thence | S | $82^{\circ} 40^{\prime} 45^{\prime \prime}$ | E | 161.11 | meters to corner | 345; |
| thence | S | $17^{\circ} 44^{\prime} 35^{\prime \prime}$ | E | 218.49 | meters to corner | 346; |
| thence | S | $71^{\circ} 17^{\prime \prime} 5{ }^{\prime \prime}$ | E | 57.12 | meters to corner | 347; |
| thence | N | $36^{\circ} 15^{\prime \prime}{ }^{\prime \prime}$ | E | 92.90 | meters to corner | 348; |
| thence | S | $54^{\circ} 12^{\prime} 43^{\prime \prime}$ | E | 60.37 | meters to corner | 349 |


| thence | N | 85º 55' 331 | E | 881.16 | meters to corner | 350; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $75^{\circ} 22^{\prime} 52 \prime$ | E | 307.98 | meters to corner | 351; |
| thence | N | $69^{\circ} 17^{\prime} 51{ }^{\prime \prime}$ | E | 586.38 | meters to corner | 352; |
| thence | N | $80^{\circ} 55^{\prime \prime} 27$ | E | 369.59 | meters to corner | 353; |
| thence | N | $87^{\circ} 33^{\prime \prime} 5$ | E | 203.17 | meters to corner | 354; |
| thence | S | $56^{\circ} 06^{\prime} 41^{\prime \prime}$ | E | 348.59 | meters to corner | 355; |
| thence | S | $87^{\circ} 30^{\prime} 34^{\prime \prime}$ | E | 497.15 | meters to corner | 356; |
| thence | S | $77^{\circ} 00^{\prime} 12^{\prime \prime}$ | E | 720.29 | meters to corner | 357; |
| thence | N | $86^{\circ} 56{ }^{\prime \prime}$ | E | 242.22 | meters to corner | 358; |
| thence | N | $51^{\circ} 42^{\prime} 33^{\prime \prime}$ | E | 104.55 | meters to corner | 359; |
| thence | S | $49^{\circ} 45^{\prime} 40^{\prime \prime}$ | E | 220.65 | meters to corner | 360; |
| thence | S | $73^{\circ} 32^{\prime \prime} 5{ }^{\prime \prime}$ | E | 236.43 | meters to corner | 361; |
| thence | S | $63^{\circ} 26^{\prime \prime} 03^{\prime \prime}$ | E | 502.20 | meters to corner | 362; |
| thence | S | $74^{\circ} 12^{\prime \prime} 5{ }^{\prime \prime}$ | E | 206.45 | meters to corner | 363; |
| thence | N | $34^{\circ} 17^{\prime} 23^{\prime \prime}$ | E | 345.01 | meters to corner | 364; |
| thence | S | $81^{\circ} 12^{\prime} 07^{\prime \prime}$ | E | 367.11 | meters to corner | 365; |
| thence | N | $62^{\circ} 19^{\prime} 34^{\prime \prime}$ | E | 348.71 | meters to corner | 366; |
| thence | N | $83^{\circ} 51^{\prime}$ 21' | E | 282.36 | meters to corner | 367; |
| thence | S | $28^{\circ} 38^{\prime} 22^{\prime \prime}$ | E | 237.00 | meters to corner | 368; |
| thence | S | $13^{\circ} 08^{\prime} 11^{\prime \prime}$ | E | 247.20 | meters to corner | 369; |
| thence | S | $02^{\circ} 47{ }^{\prime \prime} 37$ | E | 202.39 | meters to corner | 370; |
| thence | S | 010 $05^{\prime \prime}$ | W | 467.15 | meters to corner | 371; |
| thence | S | $37^{\circ} 52^{\prime} 58^{\prime \prime}$ | E | 384.53 | meters to corner | 372; |
| thence | S | $46^{\circ} 35^{\prime \prime} 37$ | E | 585.98 | meters to corner | 373; |
| thence | S | $04^{\circ} 14^{\prime} 49^{\prime \prime}$ | W | 262.99 | meters to corner | 374; |
| thence | S | $61^{\circ} 06^{\prime \prime}$ | W | 653.13 | meters to corner | 375; |
| thence | S | $49^{\circ} 32^{\prime} 45^{\prime \prime}$ | E | 840.39 | meters to corner | 376; |


| thence | S | $39^{\circ} 31^{\prime} 51{ }^{\prime \prime}$ | E | 490.46 | meters to corner | 377; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $59^{\circ} 41^{\prime} 26 "$ | W | 496.36 | meters to corner | 378; |
| thence | N | $46^{\circ} 30^{\prime \prime} 4{ }^{\prime \prime}$ | W | 193.91 | meters to corner | 379; |
| thence | $N$ | $19^{\circ} 05^{\prime \prime} 20^{\prime \prime}$ | E | 40.45 | meters to corner | 380; |
| thence | N | $08^{\circ} 47^{\prime} 40^{\prime \prime}$ | W | 42.82 | meters to corner | 381; |
| thence | N | $31^{\circ} 23^{\prime \prime} 34^{\prime \prime}$ | W | 251.79 | meters to corner | 382; |
| thence | S | 390 17'19 | W | 95.97 | meters to corner | 383; |
| thence | N | $25^{\circ} 09^{\prime \prime} 14^{\prime \prime}$ | W | 213.03 | meters to corner | 384; |
| thence | N | $60^{\circ} 03^{\prime \prime} 58^{\prime \prime}$ | W | 199.49 | meters to corner | 385; |
| thence | S | $12^{\circ} 37^{\prime} 16^{\prime \prime}$ | W | 629.46 | meters to corner | 386; |
| thence | S | $56^{\circ} 35^{\prime} 26^{\prime \prime}$ | W | 147.48 | meters to corner | 387; |
| thence | S | $22^{\circ} 32^{\prime} 31 \prime$ | W | 150.31 | meters to corner | 388; |
| thence | S | 42 ${ }^{\circ} 48^{\prime} 49^{\prime \prime}$ | E | 242.81 | meters to corner | 389; |
| thence | S | $18^{\circ} 06^{\prime} 53^{\prime \prime}$ | W | 294.89 | meters to corner | 390; |
| thence | S | $51^{\circ} 06^{\prime} 48^{\prime \prime}$ | E | 208.63 | meters to corner | 391; |
| thence | N | $50^{\circ} 35^{\prime} 08^{\prime \prime}$ | E | 247.52 | meters to corner | 392; |
| thence | S | $55^{\circ} 03^{\prime} 13^{\prime \prime}$ | E | 265.23 | meters to corner | 393; |
| thence | N | $64^{\circ} 56^{\prime \prime} 36^{\prime \prime}$ | E | 222.65 | meters to corner | 394; |
| thence | S | $12^{\circ} 53 ' 25^{\prime \prime}$ | W | 745.68 | meters to corner | 395; |
| thence | S | $84^{\circ} 51^{\prime} 29^{\prime \prime}$ | E | 153.61 | meters to corner | 396; |
| thence | N | 590 58' 06" | E | 124.21 | meters to corner | 397; |
| thence | N | $88^{\circ} 54^{\prime} 38^{\prime \prime}$ | E | 176.46 | meters to corner | 398; |
| thence | N | $69^{\circ} 08^{\prime \prime} 50^{\prime \prime}$ | E | 566.39 | meters to corner | 399; |
| thence | S | $75^{\circ} 26^{\prime} 30$ | E | 314.22 | meters to corner | 400; |
| thence | N | 63 $48^{\prime} 06^{\prime \prime}$ | E | 117.98 | meters to corner | 401; |
| thence | N | $84^{\circ} 54^{\prime} 10^{\prime \prime}$ | E | 548.26 | meters to corner | 402; |
| thence | N | $41^{\circ} 14^{\prime} 11^{\prime \prime}$ | E | 633.46 | meters to corner | 403; |


| thence | N | $43^{\circ} 48^{\prime} 10^{\prime \prime}$ | E | 2,169.69 | meters to corner | 404; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $20^{\circ} 30{ }^{\prime \prime}$ | W | 260.84 | meters to corner | 405; |
| thence | S | $05^{\circ} 32{ }^{\prime \prime}$ | W | 321.60 | meters to corner | 406; |
| thence | S | $36^{\circ} 15^{\prime} 08^{\prime \prime}$ | E | 88.87 | meters to corner | 407; |
| thence | S | $13^{\circ} 28^{\prime} 06$ | W | 89.34 | meters to corner | 408; |
| thence | S | $81^{\circ} 20^{\prime \prime} 44^{\prime \prime}$ | E | 103.58 | meters to corner | 409; |
| thence | N | 69 ${ }^{\circ} 22^{\prime \prime} 54^{\prime \prime}$ | E | 274.96 | meters to corner | 410; |
| thence | N | $17^{\circ} 24^{\prime} 33^{\prime \prime}$ | E | 376.39 | meters to corner | 411; |
| thence | N | $06^{\circ} 53^{\prime} 01^{\prime \prime}$ | E | 409.12 | meters to corner | 412; |
| thence | N | $00^{\circ} 16^{\prime} 54 \prime$ | E | 246.78 | meters to corner | 413; |
| thence | N | $79^{\circ} 34^{\prime} 30^{\prime \prime}$ | E | 507.80 | meters to corner | 414; |
| thence | S | $67^{\circ} 03^{\prime} 22^{\prime \prime}$ | E | 79.06 | meters to corner | 415; |
| thence | N | $54^{\circ} 37{ }^{\prime \prime}$ | E | 171.08 | meters to corner | 41 |
| thence | N | $00^{\circ} 32^{\prime} 38^{\prime \prime}$ | W | 103.44 | meters to corner | 417; |
| thence | S | $84^{\circ} 00{ }^{\prime \prime}$ | E | 178.64 | meters to corner | 418; |
| thence | N | $32^{\circ} 51^{\prime} 00^{\prime \prime}$ | E | 145.82 | meters to corner | 419; |
| thence | S | $84^{\circ} 37^{\prime} 26^{\prime \prime}$ | E | 628.50 | meters to corner | 420; |
| thence | S | $12^{\circ} 46^{\prime} 38^{\prime \prime}$ | E | 335.59 | meters to corner | 421; |
| thence | S | $43^{\circ} 15^{\prime} 45^{\prime \prime}$ | E | 210.04 | meters to corner | 422; |
| thence | S | $09^{\circ} 13^{\prime} 20^{\prime \prime}$ | E | 266.62 | meters to corner | 423; |
| thence | S | $64^{\circ} 06^{\prime \prime} 05^{\prime \prime}$ | E | 172.53 | meters to corner | 424; |
| thence | S | $12^{\circ} 01^{\prime} 44^{\prime \prime}$ | E | 140.29 | meters to corner | 425; |
| thence | S | $77^{\circ} 54^{\prime} 17^{\prime \prime}$ | E | 96.62 | meters to corner | 426; |
| thence | S | $14^{\circ} 46^{\prime} 52^{\prime \prime}$ | E | 167.50 | meters to corner | 427; |
| thence | N | 64² $48^{\prime \prime} 01^{\prime \prime}$ | E | 253.57 | meters to corner | 428; |
| thence | S | $59^{\circ} 02^{\prime} 04^{\prime \prime}$ | E | 78.69 | meters to corner | 429; |
| thence | N | $03^{\circ} 46^{\prime} 14^{\prime \prime}$ | W | 205.13 | meters to corner | 430; |


| thence | S | $83^{\circ} 01^{\prime} 02^{\prime \prime}$ | E | 111.04 | meters to cor | corner | 431; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $39^{\circ} 23^{\prime} 56{ }^{\prime \prime}$ | E | 81.51 | meters to cor | corner | 432; |
| thence | S | $64^{\circ} 23^{\prime} 46^{\prime \prime}$ | E | 239.44 | meters to cor | corner | 433; |
| thence | S | $37^{\circ} 21^{\prime} 54^{\prime \prime}$ | E | 233.49 | meters to co | corner | 434; |
| thence | S | $21^{\circ} 22^{\prime} 08^{\prime \prime}$ | E | 111.11 | meters to corr | corner | 435; |
| thence | S | $06^{\circ} 23^{\prime} 32^{\prime \prime}$ | W | 424.39 | meters to corr | corner | 436; |
| thence | S | $26^{\circ} 34^{\prime} 00 \prime$ | W | 140.84 | meters to cor | corner | 437; |
| thence | S | $25^{\circ} 00^{\prime \prime} 5$ | E | 148.93 | meters to co | corner | 438; |
| thence | S | $16^{\circ} 17^{\prime} 49^{\prime \prime}$ | E | 200.37 | meters to cor | corner | 439; |
| thence | S | $12^{\circ} 27^{\prime} 26^{\prime \prime}$ | E | 198.11 | meters to con | corner | 440; |
| thence | S | $74^{\circ} 34^{\prime} 34^{\prime \prime}$ | E | 135.33 | meters to cor | corner | 441; |
| thence | S | $89^{\circ} 45^{\prime} 42^{\prime \prime}$ | E | 272.17 | meters to cor | corner | 442; |
| thence | N | $75^{\circ} 37{ }^{\prime \prime}$ | E | 452.81 | meters to corr | corner | 443; |
| thence | N | $25^{\circ} 05^{\prime} 07{ }^{\prime \prime}$ | E | 350.18 | meters to corr | corner | 444; |
| thence | N | $54^{\circ} 43^{\prime} 27^{\prime \prime}$ | E | 259.00 | meters to con | corner | 445; |
| thence | N | $27^{\circ} 28^{\prime} 22^{\prime \prime}$ | W | 253.52 | meters to cor | corner | 446; |
| thence | N | $31^{\circ} 37{ }^{\prime \prime}$ | E | 263.81 | meters to co | corner | 447; |
| thence | N | $04^{\circ} 28^{\prime \prime} 08^{\prime \prime}$ | E | 173.88 | meters to cond | corner | 448; |
| thence | N | $43^{\circ} 52^{\prime} 31{ }^{\prime \prime}$ | E | 249.37 | meters to co | corner | 449; |
| thence | N | $14^{\circ} 23^{\prime} 43 \prime$ | E | 88.03 | meters to cor | corner | 450; |
| thence | N | $79^{\circ} 20^{\prime} 42^{\prime \prime}$ | E | 202.98 | meters to co | corner | 451; |
| thence | S | $59^{\circ} 34^{\prime} 28^{\prime \prime}$ | E | 226.99 | meters to cond | corner | 452; |
| thence | S | $15^{\circ} 38^{\prime} 26^{\prime \prime}$ | E | 112.83 | meters to co | corner | 453; |
| thence | S | $15^{\circ} 31^{\prime} 32^{\prime \prime}$ | W | 81.19 | meters to co | corner | 454; |
| thence | S | $09^{\circ} 27^{\prime} 11^{\prime \prime}$ | E | 513.88 | meters to cor | corner | 455; |
| thence | S | $00^{\circ} 15^{\prime} 11^{\prime \prime}$ | E | 213.89 | meters to cond | corner | 456; |
| thence | S | $27^{\circ} 05^{\prime} 38^{\prime \prime}$ | E | 505.07 | meters to cor | corner | 457; |


| thence | N | $77^{\circ} 20^{\prime} 30^{\prime \prime}$ | E | 427.23 | meters to corner | 458; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $62^{\circ} 56^{\prime} 28^{\prime \prime}$ | E | 274.93 | meters to corner | 459; |
| thence | N | $53^{\circ} 18^{\prime} 39^{\prime \prime}$ | E | 267.13 | meters to corner | 460; |
| thence | N | $82^{\circ} 03^{\prime} 34^{\prime \prime}$ | E | 692.20 | meters to corner | 461; |
| thence | N | $51^{\circ} 52^{\prime \prime} 46^{\prime \prime}$ | E | 419.34 | meters to corner | 462; |
| thence | N | $36^{\circ} 49^{\prime} 48^{\prime \prime}$ | W | 171.01 | meters to corner | 463; |
| thence | N | $19^{\circ} 41^{\prime} 24^{\prime \prime}$ | E | 100.08 | meters to corner | 464; |
| thence | N | $66^{\circ} 42^{\prime} 56^{\prime \prime}$ | E | 172.15 | meters to corner | 465; |
| thence | N | $34^{\circ} 53^{\prime} 33^{\prime \prime}$ | E | 185.46 | meters to corner | 466; |
| thence | N | $85^{\circ} 34^{\prime} 08^{\prime \prime}$ | E | 258.98 | meters to corner | 467; |
| thence | N | $53^{\circ} 49^{\prime} 19^{\prime \prime}$ | E | 166.14 | meters to corner | 468; |
| thence | N | 05 ${ }^{\circ} 58^{\prime \prime} 44^{\prime \prime}$ | W | 211.32 | meters to corner | 469; |
| thence | N | $14^{\circ} 30^{\prime} 07^{\prime \prime}$ | E | 119.91 | meters to corner | 470; |
| thence | N | $49^{\circ} 51^{\prime} 36^{\prime \prime}$ | E | 284.09 | meters to corner | 471; |
| thence | N | $09^{\circ} 31^{\prime} 14^{\prime \prime}$ | W | 314.58 | meters to corner | 472; |
| thence | N | $74^{\circ} 05^{\prime} 43^{\prime \prime}$ | E | 214.82 | meters to corner | 473; |
| thence | S | $38^{\circ} 25^{\prime} 13^{\prime \prime}$ | E | 215.05 | meters to corner | 474; |
| thence | S | $69^{\circ} 46^{\prime} 45^{\prime \prime}$ | E | 108.26 | meters to corner | 475; |
| thence | S | $88^{\circ} 07{ }^{\prime \prime}$ | E | 111.81 | meters to corner | 476; |
| thence | S | $76^{\circ} 09^{\prime \prime} 5{ }^{\prime \prime}$ | E | 248.94 | meters to corner | 477; |
| thence | S | $84^{\circ} 12^{\prime} 05^{\prime \prime}$ | E | 240.52 | meters to corner | 478; |
| thence | N | $34^{\circ} 19^{\prime} 29^{\prime \prime}$ | W | 99.37 | meters to corner | 479; |
| thence | N | $23^{\circ} 22^{\prime} 45^{\prime \prime}$ | E | 88.26 | meters to corner | 480; |
| thence | N | $77^{\circ} 56^{\prime} 26^{\prime \prime}$ | E | 278.91 | meters to corner | 481; |
| thence | N | $41^{\circ} 42^{\prime} 19^{\prime \prime}$ | E | 111.58 | meters to corner | 482 |
| thence | N | $83^{\circ} 40^{\prime} 14^{\prime \prime}$ | E | 142.36 | meters to corner | 483 |
| thence | N | $72^{\circ} 50^{\prime} 46^{\prime \prime}$ | E | 209.38 | meters to corner | 484; |


| thence | S | $71^{\circ} 26^{\prime} 42^{\prime \prime}$ | E | 193.58 | meters to corner | 485; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | N | $70^{\circ} 33^{\prime} 31{ }^{\prime \prime}$ | E | 233.53 | meters to corner | 486; |
| thence | S | $46^{\circ} 37^{\prime} 04^{\prime \prime}$ | E | 91.09 | meters to corner | 487; |
| thence | S | $82^{\circ} 15^{\prime \prime} 08^{\prime \prime}$ | E | 338.45 | meters to corner | 488; |
| thence | N | 860 $32^{\prime}$ 02" | E | 156.85 | meters to corner | 489; |
| thence | S | $63^{\circ} 39^{\prime \prime} 34^{\prime \prime}$ | E | 318.81 | meters to corner | 490; |
| thence | S | $88^{\circ} 07^{\prime \prime} 12^{\prime \prime}$ | E | 103.62 | meters to corner | 491; |
| thence | N | $65^{\circ} 26^{\prime} 47^{\prime \prime}$ | E | 192.99 | meters to corner | 492; |
| thence | N | $17^{\circ} 53 ' 51^{\prime \prime}$ | E | 165.87 | meters to corner | 493; |
| thence | $N$ | $42^{\circ} 42^{\prime} 15^{\prime \prime}$ | W | 250.99 | meters to corner | 4; |
| thence | N | 820 $24^{\prime} 56$ | W | 101.34 | meters to corner | 495; |
| thence | N | $37^{\circ} 40^{\prime} 25^{\prime \prime}$ | W | 134.45 | meters to corner | 496; |
| thence | N | $18^{\circ} 22^{\prime} 05^{\prime \prime}$ | E | 447.13 | meters to corner | 497; |
| thence | N | 08 ${ }^{\circ} 35^{\prime} 24^{\prime \prime}$ | W | 332.12 | meters to corner | 498; |
| thence | N | 01 ${ }^{\circ} 20^{\prime \prime}$ | E | 329.13 | meters to corner | 499; |
| thence | N | $38^{\circ} 10^{\prime} 41^{\prime \prime}$ | E | 839.18 | meters to corner | 500; |
| thence | N | $37^{\circ} 39^{\prime \prime} 37$ | E | 585.21 | meters to corner | 501; |
| thence | N | 20046' ${ }^{\prime \prime}$ | W | 624.76 | meters to corner | 502; |
| thence | N | 03¹4' $44^{\prime \prime}$ | W | 177.80 | meters to corner | 503; |
| thence | N | $29^{\circ} 14^{\prime} 13^{\prime \prime}$ | E | 1,123.87 | meters to corner | 504; |
| thence | N | 540 03' $22^{\prime \prime}$ | W | 62.20 | meters to corner | 505; |
| thence | N | $11^{\circ} 32^{\prime \prime} 13^{\prime \prime}$ | W | 559.84 | meters to corner | 506; |
| thence | N | $80^{\circ} 46^{\prime} 13^{\prime \prime}$ | E | 812.67 | meters to corner | 507; |
| thence | N | 04³ 36' $04^{\prime \prime}$ | W | 275.91 | meters to corner | 508; |
| thence | N | 590 52' 31" | E | 390.06 | meters to corner | 509; |
| thence | N | $82^{\circ} 12^{\prime} 38^{\prime \prime}$ | E | 1,435.87 | meters to corner | 510; |
| thence | S | 870 $07^{\prime \prime} 28^{\prime \prime}$ | E | 287.17 | meters to corner | 511; |


| thence | N | $77^{\circ} 52^{\prime} 32^{\prime \prime}$ | E | 288.14 | meters to corner | 512; |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| thence | S | $05^{\circ} 27^{\prime \prime} 03^{\prime \prime}$ | E | 229.95 | meters to corner | 513; |
| thence | N | $66^{\circ} 50{ }^{\prime} 15^{\prime \prime}$ | E | 777.05 | meters to corner | 514; |
| thence | N | $21^{\circ} 39^{\prime \prime} 3{ }^{\prime \prime}$ | E | 1,010.79 | meters to corner | 515; |
| thence | S | $63^{\circ} 56^{\prime} 25^{\prime \prime}$ | E | 484.36 | meters to corner | 516; |
| thence | N | $13^{\circ} 47^{\prime} 21{ }^{\prime \prime}$ | E | 824.14 | meters to corner | 517; |
| thence | N | $46^{\circ} 18^{\prime} 35^{\prime \prime}$ | E | 304.61 | meters to corner | 518; |
| thence | S | $77^{\circ} 45^{\prime \prime} 22^{\prime \prime}$ | E | 508.57 | meters to corner | 519; |
| thence | N | $23^{\circ} 12^{\prime} 01^{\prime \prime}$ | E | 110.95 | meters to corner | 520; |
| thence | N | $85^{\circ} 41^{\prime} 32^{\prime \prime}$ | E | 289.84 | meters to corner | 521; |
| thence | S | $85^{\circ} 56{ }^{\prime \prime} 4$ | E | 308.45 | meters to corner | 1, |

the point of beginning, containing an area of THIRTY-EIGHT THOUSAND SIX HUNDRED ELEVEN $(38,611)$ hectares, more or less. bearings and distances of lines were derived using the PRS 92 Philippines Zone III coordinate system, subject to actual ground demarcation.

Sec. 6. Establishment of Buffer Zones. - The Secretary of the Department of Environment and Natural Resources (DENR), upon the recommendation of the Protected Area Management Board created under Section 7 of this Act, may designate areas surrounding the AMPL as buffer zones for the purpose of providing an extra layer of protection where restrictions may be applied: Provided, That in cases where the designated buffer zone would cover private lands, the owners thereof shall be required to design their development with due consideration to the protected area management plan.

ARTICLE II
MANAGEMENT MECHANISMS

Sec. 7. Protected Area Management Board. - Within ninety (90) days from the effectivity of this Act, a Protected Area Management Board (PAMB) shall be created to oversee the management of the AMPL. The PAMB shall be composed of the following:
a) DENR Regional Executive Director for Region III, as Chairperson;
b) Governors of the Provinces of Aurora and Nueva Ecija or their duly authorized representatives;
c) Senators of the Republic of the Philippines who are duly registered residents of the Province of Aurora and Nueva Ecija, or their duly designated representatives, unless the Senators decline the membership in the PAMB;
d) District Representatives of the Congressional Districts where the AMPL is located, or their duly designated representatives, unless the District Representatives decline the membership in the PAMB;
e) Mayor of the Municipalities of Maria Aurora, San Luis, Baler and Dingalan in the Province of Aurora, and the Municipality of Bongabon, in the Province of Nueva Ecija or their duly authorized representatives;
f) Chairpersons of all the barangays with territorial jurisdiction over the AMPL;
g) Regional Directors of the following government agencies, namely: Department of Agriculture, National Economic and Development Authority, Department of Science and Technology, Philippine National Police, Department of National Defense, and Department of Tourism;
h) Three (3) representatives from either NGOs, or people's organizations (POs) based in the Provinces of Aurora or Nueva Ecija, duly accredited both by the DENR and the provincial government. The NGOs or POs represented should have been in existence for at least five (5) years and
with track record in or related to protected area management;
i) At least one (1) but not more than three (3) representatives from all the indigenous cultural communities/ indigenous peoples present in the area and recognized by the National Commission on Indigenous Peoples;
j) One (1) representative from an academic institution, preferably from a university or college in the Province of Aurora or Nueva Ecija, with proven track record in or related to protected area management; and
k) One (1) representative from the private sector, preferably a resident of the Province of Aurora or Nueva Ecija, who is distinguished in a profession or field of interest relevant to the management of a protected area.

The terms of office of members of the PAMB, as well as the grounds for their removal shall be in accordance with the provisions of Republic Act No. 7586, otherwise known as the "National Integrated Protected Areas System Act of 1992" as amended by Republic Act No. 11038, otherwise known as the "Expanded National Integrated Protected Areas System Act of 2018".

Sec. 8. Functions of the PAMB. - The PAMB shall have the following powers and functions:
a) Oversee the management of the AMPL;
b) Approve policies, plans and programs, proposals, agreements, and other related documents for the management of the AMPL;
c) Approve the management plan of the AMPL and ensure its harmonization with and integration into the Ancestral Domain Sustainable Development and Protection Plan, land use plan and other development plans, public or private, and their implementation;
d) Adopt a manual of operations to include rules of procedures in the
conduct of business, and the creation of committees and their respective terms of reference;
e) Recommend the deputation of appropriate agencies and individuals for the enforcement of the laws, rules and regulations governing the management of the AMPL;
f) Allocate financial resources for the implementation of the management plan and manage the Protected Area Retention Income Account and other funds in accordance with government accounting, budgeting, and auditing rules and regulations;
g) Set fees and charges in accordance with existing guidelines;
h) Issue rules and regulations for the resolution of conflicts through appropriate and effective means;
i) Recommend appropriate policy changes to the DENR and other government authorities with respect to the management of the AMPL;
j) Monitor and assess the performance of the Protected Area Superintendent and other protected area personnel and compliance of partners with the terms and conditions of any undertaking, contract or agreement relative to any project or activity within the AMPL;
k) Recommend from among a shortlist of qualified candidates, the designation or appointment of the Protected Area Superintendent; and
I) Assess the effectiveness of the management of the AMPL: Provided, That the members of the PAMB representing the LGUs and national agencies shall inform their respective constituents, offices or sectors, of PAMBapproved or other relevant policies, rules, regulations, programs, and projects and shall ensure that the provisions of this Act and the rules and regulations issued to implement it are complied with and used as
reference and framework in their respective plans, policies, programs, and projects. Failure to comply with the foregoing shall be the basis for disciplinary action against such member according to administrative rules and regulations and such penalties as the PAMB may provide: Provided, further, That the DENR, through the Regional Director, shall ensure that the PAMB acts within the scope of its powers and functions. In case of conflict between the resolutions issued by the PAMB and the existing administrative orders of national application, the latter shall prevail.

Sec. 9. The Protected Area Management Office. - There is hereby established a Protected Area Management Office (PAMO) to be headed by a Protected Area Superintendent (PASu) who shall supervise the day to day management, protection, and administration of the AMPL. The PASu shall hold a permanent plantilla position and shall be appointed by the DENR. A sufficient number of support staff with permanent plantilla positions shall likewise be appointed by the DENR.

The PASu shall be primarily accountable to the PAMB and the DENR for the management and operations of the AMPL. Pursuant thereto, the PASu shall have the following duties and responsibilities:
a) Prepare the management plan, in consultation with the stakeholders, including the annual work and financial plan and ensure its implementation;
b) Ensure the integration of relevant national and LGU plans and programs into AMPL management plans, programs, projects, and policies;
c) Provide secretariat services to the PAMB and its committees and ensure the availability of relevant and timely information for decision-making;
d) Formulate and recommend to the PAMB proposed policies, rules, regulations, and programs;
e) Establish, operate, and maintain a database management system which shall be an important basis for decision-making;
f) Enforce the laws, rules and regulations relevant to the AMPL, commence and institute administrative and legal actions in collaboration with other government agencies or organizations, and assist in the prosecution of offenses committed in violation of the provisions of this Act;
g) Monitor, evaluate, and report the implementation of management activities of the AMPL;
h) Request for and receive any technical assistance, support or advice from any agency or instrumentality of the government as well as academic institutions, NGOs, and the private sector, as may be necessary for the effective management, protection and administration of the AMPL;
i) Issue permits and clearances for activities that implement the management plan and other permitted activities in accordance with terms, conditions, and criteria established by the PAMB: Provided, That all permits for extraction of natural resources for research purposes, including the collection of wildlife and its by-products or derivatives, shall specify the acts to be authorized, and shall continue to be issued by relevant authorities, subject to prior clearance from the PAMB, through the PASu;
j) Collect and receive pertinent fees, charges, donations, and other income for the AMPL: Provided, That such fees, charges, donations, and other income collected and received shall be reported regularly to the PAMB and the DENR in accordance with existing guidelines;
k) Prepare and recommend to the PAMB, approval of the annual work and financial plans of the AMPL based on the management plan; and

1) Perform such other functions as the PAMB and the DENR may assign.

The PAMO may be augmented by the deputized local environment and natural resources officers upon the recommendation of the PAMB and approval of the DENR.

## ARTICLE III PROCEEDS AND FEES

Sec. 10. The Aurora Memorial Protected Landscape Integrated Protected Area Fund. - There is hereby established a trust fund to be known as the Aurora Memorial Protected Landscape Integrated Protected Area Fund (AMPL-IPAF) for purposes of financing projects of the AMPL and the NIPAS. All income generated from the operation and management of AMPL shall accrue to the AMPL-IPAF. The income shall be derived from fees and charges from the use of facilities and from permitted sale and export of flora and fauna and other resources from the AMPL, proceeds from the lease of multiple-use areas, contributions from industries and facilities directly benefiting from the AMPL, and such other fees and income derived from the operation of the AMPL.

The PAMB shall retain seventy-five percent ( $75 \%$ ) of all revenues raised through the above means, which shall be deposited in the Protected Area-Retained Income Account (PA-RIA) in any authorized government depository bank within the locality: Provided, That disbursements out of such deposits shall be used solely for the protection, maintenance, administration, and management of the AMPL and implementation of duly approved projects of the PAMB. The remaining twenty-five percent ( $25 \%$ ) of revenues shall be deposited as a special account in the General Fund of the National Treasury for purposes of financing the projects of the NIPAS.

The fund may be augmented by grants, donations, and endowments from various sources, domestic or foreign: Provided, That the fund shall be deposited in full as a special account in the National Treasury and disbursements therefrom shall be made solely for the protection, maintenance, administration and management of the NIPAS and duly approved projects endorsed by the PAMB in accordance with existing accounting, budgeting and auditing rules and regulations: Provided, further, That the fund shall not be used to cover personal services expenditures.

The LGUs shall continue to impose and collect all other fees not enumerated herein which they have traditionally collected, such as business permits, property tax and rentals of LGUs' facilities.

## ARTICLE IV <br> TRANSITORY AND MISCELLANEOUS PROVISIONS

Sec. 11. Appropriations. - The Secretary of the DENR shall immediately include in the Department's program the implementation of this Act, the funding of which shall be included in the annual General Appropriations Act.

Sec. 12. Suppletory Application of the NIPAS Law. - The provisions of Republic Act No. 7586, as amended by Republic Act No. 11038, shall have suppletory application to this Act.

Sec. 13. Implementing Rules and Regulations. - Within ninety (90) days from the effectivity of this Act, the Secretary of the DENR shall, in consultation with the local governments of the Municipalities of Maria Aurora, San Luis, Baler, Dingalan and Bongabon the provincial government of Aurora and Nueva Ecija, and concerned national government agencies, issue rules and regulations for the effective implementation of this Act.

Sec. 14. Separability Clause. - If any section or provision of this Act is held unconstitutional or invalid, the remaining sections or provisions not affected thereby shall continue to be in full force and effect.

Sec. 15. Repealing Clause. - All laws, decrees, executive orders, rules and regulations, issuance or parts thereof inconsistent with the provisions of this Act are hereby repealed or modified accordingly.

Sec. 16. Effectivity. - This Act shall take effect fifteen (15) days after its publication in the Official Gazette or in a newspaper of general circulation

## Approved,


[^0]:    ${ }^{1}$ Article II, Section 16, 1987 Philippine Constitution
    ${ }^{2}$ Article XII, Sec. 3, 1987 Philippine Constitution

[^1]:    ${ }^{3}$ Section 2, RA No. 7586, as amended by RA 11038

