## SENATE

S. No. 2190


Introduced by SENATOR CYNTHIA A. VILLAR


#### Abstract

AN ACT DECLARING THE OLUTANGA ISLAND PROTECTED LANDSCAPE AND SEASCAPE LOCATED IN THE PROVINCE OF ZAMBOANGA SIBUGAY AS A PROTECTED AREA, PROVIDING FOR ITS MANAGEMENT AND FOR OTHER PURPOSES


## 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 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

[^0]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 refers to the mangroves area in Olutanga, particularly located in Tumalong Bay, Baong River, and Pongao Bay. It has been declared as part of the country's Mangrove Swamp Forest Reserves under Presidential Proclamation No. 2152, series of 1981. Consequently, it is considered one of the initial components of the NIPAS.

The assessment conducted by the Department of Environment and Natural Resources (DENR) and the local government units (LGUs) in the proposed Olutanga Island Protected Landscape and Seascape revealed significant findings on the biodiversity in the area. It provides refuge to the endangered Giant lying Fox, and the near threatened Island Flying Fox. Additionally, the intertidal flats of the island serve as vital foraging and roosting grounds for waterbirds, including migratory species within the East Asian-Australasian Flyway, such as the vulnerable Chinese Egret and the near threatened Grey-tailed Tattler. Furthermore, the seagrass beds in the area play a crucial role as feeding areas for marine turtles, and several coastal areas have been identified as nesting sites for threatened marine turtles. Each of the concerned municipalities has designated a Marine Protected Area site to safeguard these valuable habitats. Unfortunately, the rapid increase of coastal informal settlers, combined with various illegal practices, poses an escalating threat to the diverse ecosystem services that the area provides for the local populace.

[^1]Therefore, this bill seeks to declare the Olutanga Island Protected Landscape and Seascape within the Municipalities of Olutanga, Mabuhay, and Talusan as a protected area under the category of protected landscape and seascape, pursuant to RA 7586 as amended by RA 11038 or the Expanded NIPAS Act. The bill aims to provide the framework for the wise use of the resources found in the Olutanga Island Protected Landscape and Seascape and ensure the conservation and protection of the species within. The measure will ensure the sustainability of marine resources to help combat the adverse effects of climate change and sustain the provisioning services of marine ecosystems for food security and continuous economic growth of the Region.

With the filing of HB No. 3397, entitled "Olutanga Island Protected Landscape and Seascape Act," by Representative Walter Y. Palma of the 1st District of Zamboanga Sibugay in the House of Representatives, I see the wisdom in filing a counterpart in the Senate and pushing for the passage of this bill.

Hence, I recommend the approval of this bill.



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#### Abstract

AN ACT DECLARING THE OLUTANGA ISLAND PROTECTED LANDSCAPE AND SEASCAPE LOCATED IN THE PROVINCE OF ZAMBOANGA SIBUGAY AS A PROTECTED AREA, PROVIDING FOR ITS MANAGEMENT AND FOR OTHER PURPOSES


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

Section 1. Short Title. - This Act shall be known as "Olutanga Island Protected Landscape and Seascape Act."

Sec. 2. Declaration of Policy. - Cognizant of the profound impact of human activities on a component 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 Olutanga Island as well as their aesthetic and ecological importance, a parcel of land situated in Olutanga Island Municipalities of Olutanga, Mabuhay and Talusan in the Province of Zamboanga Sibugay, is hereby declared a protected area with the category of Protected Landscape and Seascape, and shall hereinafter be referred to as the Olutanga Island Protected Landscape and Seascape (OIPLS). 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 national government, local government units, concerned non-governmental 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 ensures 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 integrity of the ecosystems, culture, and indigenous practices.

Sec. 3. Definition of Terms. - As used in this Act.
a) Buffer Zones refers 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 (ICC)/Indigenous peoples (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 defined territory;
d) National Park refers to land of 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 and/or Seascape refers to areas of national significance which are characterized by the harmonious interaction of man 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 have been actually, continuously and presently occupying a portion of the protected area for five (5) years before the proclamation or law establishing the same as a protected area and are solely dependent therein for subsistence.

Sec. 4. Scope and Coverage. - The boundaries of Olutanga Island Protected Landscape and Seascape are as follows:

The boundary of OIPLS is more particularly described as the area beginning at a point marked " $1^{\prime \prime}$ on the map, being S $26^{\circ} 02^{\prime} 05^{\prime \prime} \mathrm{W}, 221.387$ meters from PRS 92 "ZSI-19" with geographic coordinates of $7^{\circ} 26^{\prime} 14.25865^{\prime \prime} N$ Latitude and $122^{\circ} 50^{\prime}$ 17.8192" E Longitude located in Barangay Dawa-Dawa, Municipality of Alicia, Province of Zamboanga Sibugay,

| thence | S 49 ${ }^{\circ} 07{ }^{\prime} 13^{\prime \prime} \mathrm{W}$ | 306.29 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | S $77^{\circ} 28^{\prime} 22^{\prime \prime} \mathrm{W}$ | 64.56 | meters to corner |
| thence | S 42006'11" W | 111.91 | meters to corner |
| thence | S 57º 53'01" W | 161.81 | meters to corner |
| thence | S $01^{\circ} 23^{\prime} 56{ }^{\prime \prime} \mathrm{W}$ | 41.03 | meters to corner |
| thence | S 2205 ${ }^{\circ}{ }^{\prime} 14^{\prime \prime} \mathrm{E}$ | 35.86 | meters to corner |
| thence | S 46 ${ }^{\circ} 18^{\prime} 01^{\prime \prime} \mathrm{E}$ | 62.26 | meters to corner |
| thence | S 14*048'36" W | 90.02 | meters to corner |
| thence | S $84^{\circ} 21^{\prime} 40^{\prime \prime} \mathrm{W}$ | 81.42 | meters to corner |


| thence | N 44*59'54" W | 38.20 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | N 69 ${ }^{\circ} 20^{\prime} 45^{\prime \prime}$ W | 138.98 | meters to corner |
| thence | N 31007'15" W | 61.93 | meters to corner |
| thence | N 13027'01" E | 47.31 | meters to corner |
| thence | N 33²9'49" E | 81.57 | meters to corner |
| thence | N 0602'33" W | 171.01 | meters to corner |
| thence | N 190044'43" W | 290.16 | meters to corner |
| thence | S $77^{\circ} 14^{\prime} 39^{\prime \prime} \mathrm{W}$ | 217.44 | meters to corner |
| thence | S 3644'45" E | 93.63 | meters to corner |
| thence | S 37³ ${ }^{\prime}$ '03" E | 141.26 | meters to corner |
| thence | S 0651'13" E | 184.38 | meters to corner |
| thence | S 120 ${ }^{\circ} 8^{\prime} 51^{\prime \prime} \mathrm{W}$ | 249.99 | meters to corner |
| thence | S 32045'43" W | 136.80 | meters to corner |
| thence | S 00¹7'07" W | 202.07 | meters to corner |
| thence | N 6056'38' W | 133.89 | meters to corner |
| thence | N 0407'45" E | 194.57 | meters to corner |
| thence | N 16935'08' W | 147.17 | meters to corner |
| thence | N 29 ${ }^{\circ} 58^{\prime} 48^{\prime \prime}$ W | 120.11 | meters to corner |
| thence | N 09046'51' W | 88.32 | meters to corner |
| thence | N 66 ${ }^{\circ} 58^{\prime} 22^{\prime \prime}$ W | 86.96 | meters to corner |
| thence | N 15 ${ }^{\circ} 02^{\prime} 33^{\prime \prime} \mathrm{W}$ | 262.07 | meters to corner |
| thence | N 27040'18" E | 301.58 | meters to corner |
| thence | N 600 ${ }^{\circ}{ }^{\prime} 28^{\prime \prime}$ W | 146.54 | meters to corner |
| thence | S 4558'22" W | 208.70 | meters to corner |
| thence | N 7251'44" W | 125.62 | meters to corner |
| thence | S 53 ${ }^{\circ} 38^{\prime} 40^{\prime \prime} \mathrm{W}$ | 178.87 | meters to corner |
| thence | S $78{ }^{\circ} 36^{\prime} 10^{\prime \prime} \mathrm{W}$ | 126.54 | meters to corner |
| thence | S 34* ${ }^{\circ} 14^{\prime} 00^{\prime \prime} \mathrm{W}$ | 117.37 | meters to corner |
| thence | S $33^{\circ} 41^{\prime} 18^{\prime \prime} \mathrm{E}$ | 122.63 | meters to corner |
| thence | S 5045'01' W | 105.93 | meters to corner |
| thence | N 59 ${ }^{\circ} 57^{\prime} 25^{\prime \prime}$ W | 95.91 | meters to corner |
| thence | S 43 $51^{\prime} 05^{\prime \prime} \mathrm{W}$ | 176.17 | meters to corner |


| thence | S 61²9'31" E | 132.05 | meters to corner | 43; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 34**38'54" W | 149.57 | meters to corner | 44; |
| thence | N 82047'57' W | 191.58 | meters to corner | 45; |
| thence | S 030 $15^{\prime} 13^{\prime \prime} \mathrm{W}$ | 88.17 | meters to corner | 46; |
| thence | S 20³3'16" E | 153.85 | meters to corner | 47; |
| thence | N 50 ${ }^{\circ} 06^{\prime} 12^{\prime \prime} \mathrm{W}$ | 246.43 | meters to corner | 48; |
| thence | S $60^{\circ} 34{ }^{\prime} 45^{\prime \prime} \mathrm{W}$ | 295.41 | meters to corner | 49; |
| thence | N 87007'36" W | 181.07 | meters to corner | 50; |
| thence | S 7647'27" W | 66.52 | meters to corner | 51; |
| thence | N 83 ${ }^{\circ} 02^{\prime} 43^{\prime \prime} \mathrm{W}$ | 33.73 | meters to corner | 52; |
| thence | N $87{ }^{\circ} 13^{\prime} 47^{\prime \prime}$ W | 404.39 | meters to corner | 53; |
| thence | S $42^{\circ} 01^{\prime} 15^{\prime \prime} \mathrm{W}$ | 246.86 | meters to corner | 54; |
| thence | S 03049'28' W | 222.65 | meters to corner | 55; |
| thence | S $21^{\circ} 39^{\prime} 27^{\prime \prime} \mathrm{W}$ | 146.38 | meters to corner | 56; |
| thence | S 01051'54" W | 584.51 | meters to corner | 57; |
| thence | S 13049'56" W | 254.92 | meters to corner | 58; |
| thence | S 0204'57"E | 106.69 | meters to corner | 59; |
| thence | S 22056'15" W | 148.79 | meters to corner | 60; |
| thence | S 3143'31' W | 129.37 | meters to corner | 61; |
| thence | S 0144'03" E | 165.13 | meters to corner | 62; |
| thence | S 3050'54" W | 83.89 | meters to corner | 63; |
| thence | S $79{ }^{\circ} 05^{\prime} 26^{\prime \prime} \mathrm{W}$ | 169.12 | meters to corner | 64; |
| thence | S $20^{\circ} 22^{\prime} 50 \prime \mathrm{E}$ | 269.99 | meters to corner | 65; |
| thence | S $24^{\circ} 00^{\prime} 32^{\prime \prime} \mathrm{W}$ | 130.32 | meters to corner | 66; |
| thence | S 19045'56" E | 476.22 | meters to corner | 67; |
| thence | N 5301'55" E | 344.32 | meters to corner | 68; |
| thence | S 49 ${ }^{\circ} 39^{\prime} 06^{\prime \prime} \mathrm{E}$ | 122.07 | meters to corner | 69; |
| thence | S $10^{\circ} 21^{\prime} 27^{\prime \prime} \mathrm{E}$ | 94.57 | meters to corner | 70; |
| thence | S $73^{\circ} 08^{\prime} 25^{\prime \prime} \mathrm{E}$ | 176.99 | meters to corner | 71; |
| thence | S $26^{\circ} 19^{\prime} 10$ " E | 35.37 | meters to corner | 72; |
| thence | S 63²6'12" W | 102.90 | meters to corner | 73; |
| thence | S 50²8'59" W | 281.40 | meters to corner | 74; |


| thence | S 07 $10 ' 01^{\prime \prime}$ W | 352.88 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | S 01²3'31" W | 206.13 | meters to corner |
| thence | S 0150'57" W | 124.11 | meters to corner |
| thence | N 62º ${ }^{\circ}{ }^{\prime} 24^{\prime \prime}$ W | 160.65 | meters to corner |
| thence | S $23^{\circ} 15^{\prime} 31^{\prime \prime} \mathrm{W}$ | 387.62 | meters to corner |
| thence | S $70^{\circ} 12^{\prime} 20^{\prime \prime} \mathrm{E}$ | 183.13 | meters to corner |
| thence | S 19041'37" W | 117.11 | meters to corner |
| thence | S 19041'37' W | 225.03 | meters to corner |
| thence | S $28^{\circ} 06^{\prime} 42^{\prime \prime} \mathrm{E}$ | 82.79 | meters to corner |
| thence | S 36 ${ }^{\circ} 25^{\prime} 05^{\prime \prime}$ W | 75.83 | meters to corner |
| thence | N $80^{\circ} 14^{\prime} 12^{\prime \prime} \mathrm{W}$ | 94.40 | meters to corner |
| thence | S 12043'45" E | 276.90 | meters to corner |
| thence | S 56\%38'40' E | 189.22 | meters to corner |
| thence | S 11038'07" W | 208.35 | meters to corner |
| thence | S $82^{\circ} 35{ }^{\prime} 25^{\prime \prime} \mathrm{W}$ | 191.59 | meters to corner |
| thence | S $82^{\circ} 35^{\prime} 25^{\prime \prime}$ W | 56.57 | meters to corner |
| thence | S $22^{\circ} 37^{\prime} 17^{\prime \prime} \mathrm{W}$ | 39.01 | meters to corner |
| thence | S 33 ${ }^{\circ} 18^{\prime} 32^{\prime \prime} \mathrm{E}$ | 41.90 | meters to corner |
| thence | S $88{ }^{\circ} 50{ }^{\prime} 14^{\prime \prime} \mathrm{E}$ | 148.08 | meters to corner |
| thence | S 280 ${ }^{\circ} 5^{\prime} 20{ }^{\prime \prime} \mathrm{E}$ | 93.57 | meters to corner |
| thence | S 03030'19" W | 98.22 | meters to corner |
| thence | S $27^{\circ} 15^{\prime} 25^{\prime \prime} \mathrm{W}$ | 74.27 | meters to corner |
| thence | S $82^{\circ} 30 \cdot 21^{\prime \prime} \mathrm{W}$ | 76.68 | meters to corner |
| thence | S 12005'35"E | 85.94 | meters to corner |
| thence | S 55 ${ }^{\circ} 44^{\prime} 58^{\prime \prime} \mathrm{E}$ | 227.52 | meters to corner |
| thence | S 6309'16" W | 181.64 | meters to corner |
| thence | S 89 ${ }^{\circ} 39^{\prime} 38^{\prime \prime} \mathrm{W}$ | 168.06 | meters to corner |
| thence | N 7057'45' W | 180.96 | meters to corner |
| thence | S $84^{\circ} 06^{\prime} 40^{\prime \prime} \mathrm{W}$ | 126.71 | meters to corner |
| thence | S 0200'03" E | 143.14 | meters to corner |
| thence | S $41^{\circ} 22^{\prime} 07^{\prime \prime} \mathrm{W}$ | 178.61 | meters to corner |
| thence | S 500 ${ }^{\prime}$ '56" W | 472.14 | meters to corner |


| thence | S 27044'34' W | 152.59 | meters to corner | 107; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 7302'19"E | 147.46 | meters to corner | 108; |
| thence | N 66048'11" E | 68.57 | meters to corner | 109; |
| thence | N 5007'48' E | 110.79 | meters to corner | 110; |
| thence | N 03³7'23" E | 79.19 | meters to corner | 111; |
| thence | N 420 $46^{\prime} 14^{\prime \prime} \mathrm{E}$ | 54.51 | meters to corner | 112; |
| thence | N 84* ${ }^{\circ} 6^{\prime} 17^{\prime \prime} \mathrm{E}$ | 79.34 | meters to corner | 113; |
| thence | S 42 ${ }^{\circ} 30^{\prime} 32^{\prime \prime} \mathrm{E}$ | 113.99 | meters to corner | 114; |
| thence | S 00 ${ }^{\circ} 18^{\prime} 41^{\prime \prime} \mathrm{E}$ | 366.13 | meters to corner | 115; |
| thence | S 25 ${ }^{\circ} 16^{\prime} 46{ }^{\prime \prime} \mathrm{W}$ | 119.48 | meters to corner | 116; |
| thence | S 5955'59" W | 43.92 | meters to corner | 117; |
| thence | N 77³0'57" W | 134.22 | meters to corner | 118; |
| thence | N 04²9'56"E | 178.61 | meters to corner | 119; |
| thence | N 07055'31' W | 79.79 | meters to corner | 120; |
| thence | S 870 59'57'W | 143.14 | meters to corner | 121; |
| thence | S 44*05'32' W | 133.71 | meters to corner | 122; |
| thence | N 62*38'55" W | 65.32 | meters to corner | 123; |
| thence | S 34*24'51" W | 154.00 | meters to corner | 124; |
| thence | S $77{ }^{\circ} 13^{\prime} 05^{\prime \prime} \mathrm{W}$ | 122.07 | meters to corner | 125; |
| thence | S $22^{\circ} 37^{\prime} 18^{\prime \prime} \mathrm{W}$ | 117.04 | meters to corner | 126; |
| thence | S 270059'48" W | 304.75 | meters to corner | 127; |
| thence | S 0553'32' W | 126.71 | meters to corner | 128; |
| thence | S 71034'00' W | 50.61 | meters to corner | 129; |
| thence | S 0659'14" W | 254.98 | meters to corner | 130; |
| thence | S 17006'16" W | 176.88 | meters to corner | 131; |
| thence | S $23^{\circ} 43^{\prime} 08^{\prime \prime} \mathrm{E}$ | 72.12 | meters to corner | 132; |
| thence | S 14*38'02" W | 209.88 | meters to corner | 133; |
| thence | S $10^{\circ} 27^{\prime} 00^{\prime \prime} \mathrm{E}$ | 104.78 | meters to corner | 134; |
| thence | S 30¹9'19"E | 61.42 | meters to corner | 135; |
| thence | S $24^{\circ} 18^{\prime} 22^{\prime \prime} \mathrm{W}$ | 68.05 | meters to corner | 136; |
| thence | S 000 $46{ }^{\prime} 40^{\prime \prime} \mathrm{E}$ | 147.07 | meters to corner | 137; |
| thence | S $40^{\circ} 14^{\prime} 17^{\prime \prime} \mathrm{W}$ | 136.28 | meters to corner | 138; |


| thence | S 13037'31' E | 67.94 | meters to corner | 139; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 2859'32' E | 274.49 | meters to corner | 140; |
| thence | S 05³8'09" W | 224.16 | meters to corner | 141; |
| thence | S 32 ${ }^{\circ} 6^{\prime} 17^{\prime \prime} \mathrm{E}$ | 139.87 | meters to corner | 142; |
| thence | S $51^{\circ} 41^{\prime} 07{ }^{\prime \prime} \mathrm{E}$ | 103.27 | meters to corner | 143; |
| thence | N 6153'02' E | 148.58 | meters to corner | 144; |
| thence | S $89{ }^{\circ} 05^{\prime} 21{ }^{\prime \prime} \mathrm{E}$ | 126.06 | meters to corner | 145; |
| thence | S 48055'27" E | 144.64 | meters to corner | 146; |
| thence | S 660 ${ }^{\circ} 3^{\prime} 53^{\prime \prime} \mathrm{E}$ | 112.44 | meters to corner | 147; |
| thence | S 02²7'09"E | 70.09 | meters to corner | 148; |
| thence | S 2141'36" E | 100.13 | meters to corner | 149; |
| thence | N 61³8'48" E | 71.61 | meters to corner | 150; |
| thence | S 63023'09"E | 279.11 | meters to corner | 151; |
| thence | N 870 $50{ }^{\prime} 38^{\prime \prime} \mathrm{E}$ | 192.84 | meters to corner | 152; |
| thence | N 06¹2'29"E | 1311.31 | meters to corner | 153; |
| thence | N 61²05'47" W | 237.71 | meters to corner | 154; |
| thence | N 14* ${ }^{\circ} 4^{\prime} 55^{\prime \prime} \mathrm{E}$ | 206.01 | meters to corner | 155; |
| thence | N 33 ${ }^{\circ} 10^{\prime} 17^{\prime \prime}$ W | 338.22 | meters to corner | 156; |
| thence | N 09 ${ }^{\circ} 08^{\prime} 02^{\prime \prime} \mathrm{E}$ | 157.09 | meters to corner | 157; |
| thence | S 34*04'21' E | 130.48 | meters to corner | 158; |
| thence | S 66\% ${ }^{\circ} 8^{\prime} 50^{\prime \prime} \mathrm{E}$ | 117.83 | meters to corner | 159; |
| thence | N 0446'23"E | 306.90 | meters to corner | 160; |
| thence | N 7941'39" E | 79.80 | meters to corner | 161; |
| thence | S 00²3'01" W | 150.06 | meters to corner | 162; |
| thence | S $82^{\circ} 48^{\prime} 51^{\prime \prime} \mathrm{E}$ | 119.98 | meters to corner | 163; |
| thence | S 4153'27" W | 130.35 | meters to corner | 164; |
| thence | S 080 ${ }^{\circ}{ }^{\prime}{ }^{\prime} 07^{\prime \prime} \mathrm{E}$ | 361.50 | meters to corner | 165; |
| thence | N 3609'02" E | 337.13 | meters to corner | 166; |
| thence | S $68^{\circ} 02^{\prime} 16^{\prime \prime} \mathrm{E}$ | 133.75 | meters to corner | 167; |
| thence | N 7307'49" E | 127.53 | meters to corner | 168; |
| thence | N 55 ${ }^{\circ} 08^{\prime} 30{ }^{\prime \prime}$ W | 381.57 | meters to corner | 169; |
| thence | N 24*59'46" E | 310.15 | meters to corner | 170; |


| thence | S 79046'27" E | 445.22 | meters to corner | 171; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 0400'27" E | 304.90 | meters to corner | 172; |
| thence | N 37³3'23' E | 502.21 | meters to corner | 173; |
| thence | N 4059'39" W | 141.82 | meters to corner | 174; |
| thence | S $83^{\circ} 13^{\prime} 54^{\prime \prime} \mathrm{E}$ | 227.22 | meters to corner | 175; |
| thence | S $13^{\circ} 00{ }^{\prime} 38^{\prime \prime} \mathrm{E}$ | 250.76 | meters to corner | 176; |
| thence | S $03^{\circ} 14^{\prime} 56{ }^{\prime \prime} \mathrm{W}$ | 141.28 | meters to corner | 177; |
| thence | S 04*52'32" W | 129.51 | meters to corner | 178; |
| thence | S 54* $43^{\prime} 45^{\prime \prime}$ W | 100.47 | meters to corner | 179; |
| thence | S 25 ${ }^{\circ} 33^{\prime} 42^{\prime \prime} \mathrm{W}$ | 127.52 | meters to corner | 180; |
| thence | S 070 $26{ }^{\prime} 59^{\prime \prime} \mathrm{E}$ | 370.26 | meters to corner | 181; |
| thence | S 60³5'28" E | 63.16 | meters to corner | 182; |
| thence | N 48 ${ }^{\circ} 00^{\prime} 52^{\prime \prime} \mathrm{E}$ | 53.83 | meters to corner | 183; |
| thence | N 6408'07' E | 73.37 | meters to corner | 184; |
| thence | N 19 ${ }^{\circ} 13^{\prime} 01^{\prime \prime} \mathrm{E}$ | 325.23 | meters to corner | 185; |
| thence | N 5346'00' E | 162.47 | meters to corner | 186; |
| thence | S 8259'49" E | 114.90 | meters to corner | 187; |
| thence | N $27^{\circ} 02^{\prime} 44^{\prime \prime} \mathrm{E}$ | 160.61 | meters to corner | 188; |
| thence | N 5246'41" E | 162.06 | meters to corner | 189; |
| thence | S $21^{\circ} 12^{\prime} 59^{\prime \prime} \mathrm{E}$ | 91.21 | meters to corner | 190; |
| thence | S 43³1'16" W | 492.21 | meters to corner | 191; |
| thence | S $10^{\circ} 42^{\prime} 11^{\prime \prime} \mathrm{W}$ | 387.07 | meters to corner | 192; |
| thence | S $81{ }^{\circ} 26^{\prime} 31^{\prime \prime} \mathrm{W}$ | 504.87 | meters to corner | 193; |
| thence | S $47^{\circ} 54{ }^{\prime} 45^{\prime \prime} \mathrm{W}$ | 469.06 | meters to corner | 194; |
| thence | S $11^{\circ} 23^{\prime} 59^{\prime \prime} \mathrm{E}$ | 248.22 | meters to corner | 195; |
| thence | S 5149'06" E | 374.91 | meters to corner | 196; |
| thence | N 680 $45^{\prime} 37{ }^{\prime \prime} \mathrm{E}$ | 257.64 | meters to corner | 197; |
| thence | N 45 ${ }^{\circ} 18^{\prime} 00^{\prime \prime} \mathrm{E}$ | 271.63 | meters to corner | 198; |
| thence | N 75 ${ }^{\circ} 28^{\prime} 32^{\prime \prime} \mathrm{E}$ | 309.56 | meters to corner | 199; |
| thence | S 35032'13" E | 104.02 | meters to corner | 200; |
| thence | S 7601'39" W | 223.70 | meters to corner | 201; |
| thence | S 020026'18" W | 188.24 | meters to corner | 202; |


| thence | S $64^{\circ} 04^{\prime} 36^{\prime \prime} \mathrm{W}$ | 80.08 | meters to corner | 203; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 53055'32' W | 86.64 | meters to corner | 204; |
| thence | S $22^{\circ} 10^{\prime} 36{ }^{\prime \prime} \mathrm{W}$ | 227.93 | meters to corner | 205; |
| thence | S 7604'06" W | 83.62 | meters to corner | 206; |
| thence | S $59^{\circ} 18^{\prime} 04^{\prime \prime} \mathrm{E}$ | 277.53 | meters to corner | 207; |
| thence | S 64²3'08' W | 104.20 | meters to corner | 208; |
| thence | S 55¹2'33' W | 268.60 | meters to corner | 209; |
| thence | N 45 ${ }^{\circ} 36^{\prime} 05^{\prime \prime}$ W | 67.20 | meters to corner | 210; |
| thence | S 52 ${ }^{\circ} 17^{\prime} 37{ }^{\prime \prime}$ W | 150.47 | meters to corner | 211; |
| thence | S 7459'34' W | 142.92 | meters to corner | 212; |
| thence | S 28043'19" W | 83.27 | meters to corner | 213; |
| thence | S 24*04'51" E | 172.64 | meters to corner | 214; |
| thence | N 77031'34" E | 252.63 | meters to corner | 215; |
| thence | S $23^{\circ} 52^{\prime} 25^{\prime \prime} \mathrm{E}$ | 66.73 | meters to corner | 216; |
| thence | S $40^{\circ} 29^{\prime} 42^{\prime \prime} \mathrm{W}$ | 279.83 | meters to corner | 217; |
| thence | S 40²9'42" W | 8.24 | meters to corner | 218; |
| thence | N 72043'21' E | 60.60 | meters to corner | 219; |
| thence | S 32 ${ }^{\circ} 11^{\prime} 35^{\prime \prime} \mathrm{W}$ | 125.27 | meters to corner | 220; |
| thence | N 8649'04" E | 122.82 | meters to corner | 221; |
| thence | N 5008'36" E | 206.02 | meters to corner | 222; |
| thence | N 83 ${ }^{\circ} 08^{\prime} 07^{\prime \prime} \mathrm{E}$ | 67.92 | meters to corner | 223; |
| thence | S 03³6'44" E | 60.08 | meters to corner | 224; |
| thence | S 53 ${ }^{\circ} 15^{\prime} 15^{\prime \prime}$ W | 93.63 | meters to corner | 225; |
| thence | S 41²0 ${ }^{\prime} 31^{\prime \prime}$ W | 90.72 | meters to corner | 226; |
| thence | S 08²2'13" E | 135.44 | meters to corner | 227; |
| thence | S 62 ${ }^{\circ} 50^{\prime} 55^{\prime \prime} \mathrm{E}$ | 340.72 | meters to corner | 228; |
| thence | S 79027'01' E | 222.05 | meters to corner | 229; |
| thence | S 29 ${ }^{\circ} 34^{\prime} 34^{\prime \prime}$ E | 85.12 | meters to corner | 230; |
| thence | N 870 ${ }^{\text {c }}{ }^{\prime} 11^{\prime \prime}$ W | 82.08 | meters to corner | 231; |
| thence | S 47048'18" W | 183.52 | meters to corner | 232; |
| thence | S $77^{\circ} 19{ }^{\prime \prime} 2^{\prime \prime} \mathrm{W}$ | 112.88 | meters to corner | 233; |
| thence | S $73^{\circ} 56^{\prime} 50 \prime \mathrm{~W}$ | 194.59 | meters to corner | 234; |


| thence | S $26^{\circ} 42^{\prime} 16^{\prime \prime} \mathrm{W}$ | 190.62 | meters to corner | 235; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 7354'37' E | 184.23 | meters to corner | 236; |
| thence | S 6659'48" E | 163.68 | meters to corner | 237; |
| thence | N 82³7'41' E | 85.74 | meters to corner | 238; |
| thence | S 320 ${ }^{\circ}{ }^{\prime} 211^{\prime \prime} \mathrm{E}$ | 149.30 | meters to corner | 239; |
| thence | S 7650'53' W | 136.96 | meters to corner | 240; |
| thence | N 63³1'40" W | 356.73 | meters to corner | 241; |
| thence | S 66 ${ }^{\circ} 35^{\prime} 31^{\prime \prime}$ W | 215.50 | meters to corner | 242; |
| thence | S 16038'14"E | 90.83 | meters to corner | 243; |
| thence | S 64* ${ }^{\circ} 10^{\prime} 50{ }^{\prime \prime} \mathrm{W}$ | 344.51 | meters to corner | 244; |
| thence | S 0546'22"E | 89.49 | meters to corner | 245; |
| thence | S 4302'57' W | 124.57 | meters to corner | 246; |
| thence | S 6143'37' W | 149.94 | meters to corner | 247; |
| thence | S 020 $422^{\prime \prime} 50^{\prime \prime} \mathrm{E}$ | 253.37 | meters to corner | 248; |
| thence | S 0158'38" E | 608.88 | meters to corner | 249; |
| thence | S 34* ${ }^{\circ} 5^{\prime} 11^{\prime \prime} \mathrm{E}$ | 136.27 | meters to corner | 250; |
| thence | S 7047'02'E | 261.43 | meters to corner | 251; |
| thence | N 7950'52" E | 363.88 | meters to corner | 252; |
| thence | S $31^{\circ} 18^{\prime} 50{ }^{\prime \prime} \mathrm{E}$ | 433.39 | meters to corner | 253; |
| thence | S $11^{\circ} 50{ }^{\prime} 07^{\prime \prime} \mathrm{W}$ | 107.32 | meters to corner | 254; |
| thence | S $39^{\circ} 28^{\prime} 15^{\prime \prime} \mathrm{E}$ | 154.21 | meters to corner | 255; |
| thence | S 2357'51' W | 197.05 | meters to corner | 256; |
| thence | S $84{ }^{\circ} 42^{\prime} 32^{\prime \prime} \mathrm{W}$ | 94.71 | meters to corner | 257; |
| thence | S 16³5'32" W | 128.67 | meters to corner | 258; |
| thence | S 06040'53' W | 223.60 | meters to corner | 259; |
| thence | S 46¹5'39" W | 128.77 | meters to corner | 260; |
| thence | S 0351'50" W | 237.62 | meters to corner | 261; |
| thence | S 0109'47" W | 148.08 | meters to corner | 262; |
| thence | S $26^{\circ} 10^{\prime} 15^{\prime \prime} \mathrm{E}$ | 326.59 | meters to corner | 263; |
| thence | S 1205'14" W | 434.79 | meters to corner | 264; |
| thence | S $51^{\circ} 06{ }^{\prime} 04^{\prime \prime} \mathrm{E}$ | 226.22 | meters to corner | 265; |
| thence | S 37038'31" E | 325.94 | meters to corner | 266; |


| thence | S 62²1'39" E | 286.82 | meters to corner | 267; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 46³4'59" E | 179.03 | meters to corner | 268; |
| thence | S 1652'43" E | 151.58 | meters to corner | 269; |
| thence | S 81 ${ }^{\circ} 28^{\prime} 19^{\prime \prime} \mathrm{E}$ | 87.89 | meters to corner | 270; |
| thence | S 0552'39"E | 342.90 | meters to corner | 271; |
| thence | N $84^{\circ} 58^{\prime} 43^{\prime \prime} \mathrm{W}$ | 297.24 | meters to corner | 272; |
| thence | N 63 ${ }^{\circ} 53^{\prime} 48^{\prime \prime} \mathrm{W}$ | 663.92 | meters to corner | 273; |
| thence | S 61¹3'37' W | 139.24 | meters to corner | 274; |
| thence | N 77059'13' W | 48.07 | meters to corner | 275; |
| thence | S $39^{\circ} 27^{\prime} 31^{\prime \prime} \mathrm{E}$ | 493.19 | meters to corner | 276; |
| thence | S $51{ }^{\circ} 45^{\prime} 17^{\prime \prime} \mathrm{E}$ | 262.92 | meters to corner | 277; |
| thence | S 62 ${ }^{\circ} 08^{\prime} 19^{\prime \prime} \mathrm{E}$ | 111.73 | meters to corner | 278; |
| thence | S $71^{\circ} 29^{\prime} 08^{\prime \prime} \mathrm{E}$ | 438.51 | meters to corner | 279; |
| thence | S 77030'59"E | 311.22 | meters to corner | 280; |
| thence | S $75^{\circ} 32^{\prime \prime} 53^{\prime \prime} \mathrm{E}$ | 252.59 | meters to corner | 281; |
| thence | S $64{ }^{\circ} 00^{\prime} 48^{\prime \prime} \mathrm{E}$ | 353.21 | meters to corner | 282; |
| thence | S 33051'22' E | 77.50 | meters to corner | 283; |
| thence | N 88 ${ }^{\circ} 38^{\prime} 16^{\prime \prime} \mathrm{E}$ | 420.27 | meters to corner | 284; |
| thence | N 15¹8'18" E | 208.46 | meters to corner | 285; |
| thence | S 6857'29"E | 1426.58 | meters to corner | 286; |
| thence | S 34*¹8'48' E | 152.61 | meters to corner | 287; |
| thence | S 1807'43" E | 118.95 | meters to corner | 288; |
| thence | S 38¹7'32" E | 660.24 | meters to corner | 289; |
| thence | S 03 ${ }^{\circ} 17^{\prime} 40{ }^{\prime \prime} \mathrm{E}$ | 191.38 | meters to corner | 290; |
| thence | S $27^{\circ} 28^{\prime} 38^{\prime \prime} \mathrm{E}$ | 25.61 | meters to corner | 291; |
| thence | S 5647'42' E | 62.62 | meters to corner | 292; |
| thence | N 6856'59"E | 21.91 | meters to corner | 293; |
| thence | N 32 ${ }^{\circ} 15^{\prime} 34^{\prime \prime} \mathrm{E}$ | 14.76 | meters to corner | 294; |
| thence | N 65 ${ }^{\circ} 50 ' 55^{\prime \prime}$ E | 179.34 | meters to corner | 295; |
| thence | N 59 ${ }^{\circ} 53^{\prime} 43^{\prime \prime} \mathrm{E}$ | 100.94 | meters to corner | 296; |
| thence | N 5105'51' E | 53.75 | meters to corner | 297; |
| thence | N 610 ${ }^{\circ} 0^{\prime} 45^{\prime \prime} \mathrm{E}$ | 158.30 | meters to corner | 298; |


| thence | N 49 ${ }^{\circ} 28^{\prime} 35^{\prime \prime} \mathrm{E}$ | 59.85 | meters to corner | 299; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 4301'36" E | 120.45 | meters to corner | 300; |
| thence | N 57º ${ }^{\circ}{ }^{\prime} 23^{\prime \prime} \mathrm{E}$ | 81.21 | meters to corner | 301; |
| thence | N 4700'40" E | 59.19 | meters to corner | 302; |
| thence | N 730 ${ }^{\circ} 4^{\prime} 52^{\prime \prime} \mathrm{E}$ | 107.96 | meters to corner | 303; |
| thence | N 64¹2'39" E | 121.43 | meters to corner | 304; |
| thence | N 520 ${ }^{\circ} 5^{\prime} 18{ }^{\prime \prime} \mathrm{E}$ | 28.77 | meters to corner | 305; |
| thence | N 3304'20" E | 75.31 | meters to corner | 306; |
| thence | N 20²6'37" E | 86.14 | meters to corner | 307; |
| thence | N 01³5'33" E | 26.43 | meters to corner | 308; |
| thence | N 31¹0'15' ${ }^{\prime \prime}$ W | 24.04 | meters to corner | 309; |
| thence | N 63044'23" W | 61.37 | meters to corner | 310; |
| thence | N 63²6'00' W | 60.71 | meters to corner | 311; |
| thence | N 4554'28" W | 32.69 | meters to corner | 312; |
| thence | N 17*002'50" W | 57.57 | meters to corner | 313; |
| thence | N 33²0'21' W | 133.51 | meters to corner | 314; |
| thence | N 62040'32" W | 32.48 | meters to corner | 315; |
| thence | S 61³6'31' W | 126.22 | meters to corner | 316; |
| thence | S $07^{\circ} 15^{\prime} 18^{\prime \prime}$ W | 110.93 | meters to corner | 317; |
| thence | S 65 ${ }^{\circ} 18^{\prime} 46{ }^{\prime \prime}$ W | 232.31 | meters to corner | 318; |
| thence | S 0852'56" W | 97.20 | meters to corner | 319; |
| thence | S 22*39'58" W | 98.65 | meters to corner | 320; |
| thence | S 45³1'04" W | 78.52 | meters to corner | 321; |
| thence | S 63³1'54" W | 269.32 | meters to corner | 322; |
| thence | N 0308'09" E | 347.64 | meters to corner | 323; |
| thence | N 31 ${ }^{\circ} 03^{\prime} 30^{\prime \prime} \mathrm{E}$ | 211.36 | meters to corner | 324; |
| thence | N 16041'52" W | 177.55 | meters to corner | 325; |
| thence | N 3007'07' W | 303.01 | meters to corner | 326; |
| thence | S 19 ${ }^{\circ} 16^{\prime} 15^{\prime \prime}$ W | 391.04 | meters to corner | 327; |
| thence | S 45¹8'53' W | 129.45 | meters to corner | 328; |
| thence | S 71 ${ }^{\circ} 14^{\prime} 01^{\prime \prime} \mathrm{W}$ | 108.82 | meters to corner | 329; |
| thence | N 81 ${ }^{\circ} 20^{\prime} 45^{\prime \prime} \mathrm{W}$ | 93.09 | meters to corner | 330; |


| thence | N 3357'27" W | 118.19 | meters to corner | 331; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 04¹3'15" E | 122.38 | meters to corner | 332; |
| thence | N 2304'39"E | 183.76 | meters to corner | 333; |
| thence | N 3153'55" W | 71.63 | meters to corner | 334; |
| thence | N 83 ${ }^{\circ} 08^{\prime} 28^{\prime \prime}$ W | 116.78 | meters to corner | 335; |
| thence | S 0551'02" W | 326.54 | meters to corner | 336; |
| thence | N 6857'29" W | 1426.58 | meters to corner | 337; |
| thence | S $84^{\circ} 22^{\prime} 02^{\prime \prime} \mathrm{W}$ | 224.16 | meters to corner | 338; |
| thence | N 87012'21" W | 82.13 | meters to corner | 339; |
| thence | N 60¹1'03" W | 102.61 | meters to corner | 340; |
| thence | N 07º29'51" E | 38.34 | meters to corner | 341; |
| thence | N 48* $22^{\prime \prime} 05^{\prime \prime} \mathrm{E}$ | 48.18 | meters to corner | 342; |
| thence | S $89{ }^{\circ} 59^{\prime} 54^{\prime \prime} \mathrm{E}$ | 122.04 | meters to corner | 343; |
| thence | S 7703'37" E | 75.95 | meters to corner | 344; |
| thence | N 88³6'16" E | 41.03 | meters to corner | 345; |
| thence | N 45 ${ }^{\circ} 00^{\prime} 06^{\prime \prime} \mathrm{E}$ | 43.86 | meters to corner | 346; |
| thence | N 3057'44' W | 29.17 | meters to corner | 347; |
| thence | N 88035'26" W | 529.35 | meters to corner | 348; |
| thence | N 5756'11" W | 859.33 | meters to corner | 349; |
| thence | N 0552'39" W | 342.90 | meters to corner | 350; |
| thence | N 28³ ${ }^{\circ}{ }^{\prime} 43^{\prime \prime} \mathrm{E}$ | 255.24 | meters to corner | 351; |
| thence | S $53^{\circ} 08^{\prime} 14^{\prime \prime} \mathrm{E}$ | 252.05 | meters to corner | 352; |
| thence | S 5308'14" E | 12.27 | meters to corner | 353; |
| thence | N 88 ${ }^{\circ} 55^{\prime} 06^{\prime \prime} \mathrm{E}$ | 74.92 | meters to corner | 354; |
| thence | N $25^{\circ} 27^{\prime} 57^{\prime \prime} \mathrm{E}$ | 131.95 | meters to corner | 355; |
| thence | S $84^{\circ} 10^{\prime} 51^{\prime \prime} \mathrm{E}$ | 93.54 | meters to corner | 356; |
| thence | N 35²8'52" E | 292.96 | meters to corner | 357; |
| thence | S $85^{\circ} 19{ }^{\prime} 27^{\prime \prime} \mathrm{E}$ | 101.31 | meters to corner | 358; |
| thence | S $85^{\circ} 19{ }^{\prime} 27^{\prime \prime} \mathrm{E}$ | 58.28 | meters to corner | 359; |
| thence | N 49 ${ }^{\circ} 09^{\prime} 55^{\prime \prime} \mathrm{E}$ | 146.81 | meters to corner | 360; |
| thence | N 4900'55" E | 38.30 | meters to corner | 361; |
| thence | N 2206'23" W | 5.34 | meters to corner | 362; |


| thence | N 1155 ${ }^{\circ} \mathrm{O} 2^{\prime \prime}$ W | 37.87 | meters to corner | 363; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 1155'02" W | 218.81 | meters to corner | 364; |
| thence | N 6541'17"E | 426.62 | meters to corner | 365; |
| thence | S 01 ${ }^{\circ} 58^{\prime} 35^{\prime \prime} \mathrm{W}$ | 62.90 | meters to corner | 366; |
| thence | N 6602'55" E | 500.82 | meters to corner | 367; |
| thence | N 26033'48' W | 46.50 | meters to corner | 368; |
| thence | N 38 ${ }^{\circ} 11^{\prime} 43^{\prime \prime} \mathrm{E}$ | 156.25 | meters to corner | 369; |
| thence | N 32 ${ }^{\circ} 21^{\prime} 54^{\prime \prime}$ W | 75.36 | meters to corner | 370; |
| thence | N 72045'24"E | 219.48 | meters to corner | 371; |
| thence | N 06³3'43" E | 201.39 | meters to corner | 372; |
| thence | S 370 $24^{\prime} 13{ }^{\prime \prime} \mathrm{E}$ | 85.63 | meters to corner | 373; |
| thence | N 77049'15"E | 232.31 | meters to corner | 374; |
| thence | N 06 ${ }^{\circ} 29^{\prime} 43^{\prime \prime} \mathrm{E}$ | 42.11 | meters to corner | 375; |
| thence | N 57040'53' E | 542.04 | meters to corner | 376; |
| thence | N 29 ${ }^{\circ} 51^{\prime} 02{ }^{\prime \prime} \mathrm{E}$ | 200.18 | meters to corner | 377; |
| thence | N 4649'35"E | 396.08 | meters to corner | 378; |
| thence | N 63³4'54" E | 238.86 | meters to corner | 379; |
| thence | N 0858'27'E | 155.20 | meters to corner | 380; |
| thence | N 70¹9'43" W | 242.25 | meters to corner | 381; |
| thence | N 14*17'55" W | 52.65 | meters to corner | 382; |
| thence | N 87032'20' E | 93.12 | meters to corner | 383; |
| thence | N 34*38'54" E | 149.57 | meters to corner | 384; |
| thence | N 73¹6'06" E | 227.62 | meters to corner | 385; |
| thence | N 5148'27' E | 262.18 | meters to corner | 386; |
| thence | N 24* ${ }^{\circ} 5^{\prime} 33^{\prime \prime} \mathrm{E}$ | 133.73 | meters to corner | 387; |
| thence | N 02 ${ }^{\circ} 23^{\prime 2} 20^{\prime \prime} \mathrm{E}$ | 149.10 | meters to corner | 388; |
| thence | S 55 ${ }^{\circ} 03^{\prime} 18^{\prime \prime} \mathrm{E}$ | 177.65 | meters to corner | 389; |
| thence | N 83³6'10" E | 107.71 | meters to corner | 390; |
| thence | S $57{ }^{\circ} 31^{\prime} 38^{\prime \prime} \mathrm{E}$ | 169.56 | meters to corner | 391; |
| thence | N 45 ${ }^{\circ} 59^{\prime} 02^{\prime \prime} \mathrm{E}$ | 123.81 | meters to corner | 392; |
| thence | N 73***'34' E | 89.59 | meters to corner | 393; |
| thence | S $29^{\circ} 16^{\prime} 25^{\prime \prime} \mathrm{E}$ | 75.69 | meters to corner | 394; |


| thence | S 100¹7'19" W | 285.69 | meters to corner | 395; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 69 ${ }^{\circ} 13^{\prime} 14^{\prime \prime} \mathrm{E}$ | 332.75 | meters to corner | 396; |
| thence | S $86^{\circ} 38^{\prime} 23^{\prime \prime} \mathrm{E}$ | 714.32 | meters to corner | 397; |
| thence | N 58 ${ }^{\circ} 38^{\prime} 45^{\prime \prime} \mathrm{E}$ | 468.76 | meters to corner | 398; |
| thence | S $77^{\circ} 17^{\prime} 06{ }^{\prime \prime} \mathrm{E}$ | 529.33 | meters to corner | 399; |
| thence | S 8659'01" E | 1432.80 | meters to corner | 400; |
| thence | N 51 ${ }^{\circ} 44^{\prime} 56{ }^{\prime \prime} \mathrm{E}$ | 245.24 | meters to corner | 401; |
| thence | N 26¹1'32" E | 342.25 | meters to corner | 402; |
| thence | S 63 ${ }^{\circ} 10^{\prime} 21^{\prime \prime} \mathrm{E}$ | 294.82 | meters to corner | 403; |
| thence | N 420 $28{ }^{\prime} 211^{\prime \prime} \mathrm{E}$ | 517.59 | meters to corner | 404; |
| thence | N 19 ${ }^{\circ} 03^{\prime} 40{ }^{\prime \prime} \mathrm{E}$ | 912.73 | meters to corner | 405; |
| thence | N $28^{\circ} 18^{\prime} 10$ ' W | 348.77 | meters to corner | 406; |
| thence | S 34*38'21' W | 251.68 | meters to corner | 407; |
| thence | N 13²2'11" W | 250.89 | meters to corner | 408; |
| thence | N 31*33'49" E | 164.36 | meters to corner | 409; |
| thence | N 09³3'16" W | 259.31 | meters to corner | 410; |
| thence | N 44*¹9'46" W | 145.97 | meters to corner | 411; |
| thence | N 420 $42^{\prime} 04^{\prime \prime} \mathrm{E}$ | 240.94 | meters to corner | 412; |
| thence | N 40³0'53" W | 485.55 | meters to corner | 413; |
| thence | N 16 ${ }^{\circ} 08^{\prime} 26^{\prime \prime} \mathrm{E}$ | 529.03 | meters to corner | 414; |
| thence | N 87031'32" E | 555.71 | meters to corner | 415; |
| thence | S $56{ }^{\circ} 33^{\prime} 14^{\prime \prime} \mathrm{E}$ | 194.22 | meters to corner | 416; |
| thence | N $21^{\circ} 47^{\prime} 05^{\prime \prime} \mathrm{E}$ | 579.57 | meters to corner | 417; |
| thence | N 71³3'48" W | 306.85 | meters to corner | 418; |
| thence | N 3705'08" E | 374.93 | meters to corner | 419; |
| thence | N 02043'37"E | 421.43 | meters to corner | 420; |
| thence | N 55 ${ }^{\circ} 51^{\prime} 32^{\prime \prime}$ W | 325.84 | meters to corner | 421; |
| thence | N 58 ${ }^{\circ} 36^{\prime} 15^{\prime \prime} \mathrm{E}$ | 206.18 | meters to corner | 422; |
| thence | N 18³5'44" W | 135.46 | meters to corner | 423; |
| thence | S 53²0'04" W | 184.80 | meters to corner | 424; |
| thence | N 0804'24" W | 441.53 | meters to corner | 425; |
| thence | S 72 ${ }^{\circ} 11^{\prime} 21{ }^{\prime \prime} \mathrm{E}$ | 202.79 | meters to corner | 426; |


| thence | N 08º ${ }^{\circ} 1^{\prime} 32^{\prime \prime} \mathrm{W}$ | 157.60 | meters to corner | 427; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 7452'05" W | 482.90 | meters to corner | 428; |
| thence | N 37034'54"E | 306.73 | meters to corner | 429; |
| thence | N 53*31'56" E | 143.05 | meters to corner | 430; |
| thence | N 59 ${ }^{\circ} 25^{\prime} 09^{\prime \prime}$ W | 255.63 | meters to corner | 431; |
| thence | N 39 ${ }^{\circ} 30^{\prime} 17^{\prime \prime} \mathrm{E}$ | 169.84 | meters to corner | 432; |
| thence | S 76³8'59"E | 121.32 | meters to corner | 433; |
| thence | N 02*36'57" W | 175.24 | meters to corner | 434; |
| thence | N 83 ${ }^{\circ} 08^{\prime} 41^{\prime \prime} \mathrm{W}$ | 209.57 | meters to corner | 435; |
| thence | N $26^{\circ} 25^{\prime} 11^{\prime \prime} \mathrm{E}$ | 348.50 | meters to corner | 436; |
| thence | N 11*31'31' E | 210.31 | meters to corner | 437; |
| thence | N 62 ${ }^{\circ} 17{ }^{\prime} 15^{\prime \prime}$ W | 111.87 | meters to corner | 438; |
| thence | S 77049'49" W | 156.57 | meters to corner | 439; |
| thence | S 45 ${ }^{\circ} 12^{\prime} 25^{\prime \prime}$ W | 197.35 | meters to corner | 440; |
| thence | N 2042'09" W | 135.82 | meters to corner | 441; |
| thence | N 6300'25' W | 174.92 | meters to corner | 442; |
| thence | S 40036'11" W | 129.12 | meters to corner | 443; |
| thence | S 13¹4'32' W | 192.17 | meters to corner | 444; |
| thence | S 8441'14' W | 43.20 | meters to corner | 445; |
| thence | N 19030'25' W | 185.72 | meters to corner | 446; |
| thence | S $84^{\circ} 55^{\prime} 37^{\prime \prime} \mathrm{W}$ | 260.11 | meters to corner | 447; |
| thence | S 12049'08" W | 193.90 | meters to corner | 448; |
| thence | S $09^{\circ} 22^{\prime} 05^{\prime \prime} \mathrm{W}$ | 196.69 | meters to corner | 449; |
| thence | N 5759'35' W | 94.37 | meters to corner | 450; |
| thence | N 13¹0'41" W | 162.33 | meters to corner | 451; |
| thence | N 72 ${ }^{\circ} 12^{\prime} 26^{\prime \prime}$ W | 140.78 | meters to corner | 452; |
| thence | S 51²4'33" W | 266.21 | meters to corner | 453; |
| thence | S 29²6'55" E | 168.87 | meters to corner | 454; |
| thence | S 53²9'14"E | 95.84 | meters to corner | 455; |
| thence | S $27^{\circ} 08^{\prime \prime} 53^{\prime \prime} \mathrm{E}$ | 219.22 | meters to corner | 456; |
| thence | S 4558'22" W | 41.74 | meters to corner | 457; |
| thence | N 59 ${ }^{\circ} 10^{\prime} 05^{\prime \prime}$ W | 294.74 | meters to corner | 458; |


| thence | S 06²3'46" W | 116.77 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | N 52²9'18" W | 179.07 | meters to corner |
| thence | S 4256'30" W | 98.39 | meters to corner |
| thence | S 10²9'24" E | 109.88 | meters to corner |
| thence | N 76025'40" W | 238.75 | meters to corner |
| thence | N 61²0'28" W | 196.08 | meters to corner |
| thence | S 72046'27" W | 135.11 | meters to corner |
| thence | S 1956'51" W | 131.96 | meters to corner |
| thence | S $00^{\circ} 31{ }^{\prime} 56{ }^{\prime \prime} \mathrm{W}$ | 216.09 | meters to corner |
| thence | S 36045'30' W | 202.27 | meters to corner |
| thence | N 68003'35' W | 155.30 | meters to corner |
| thence | S 44*21'29" W | 125.92 | meters to corner |
| thence | S $00^{\circ} 18^{\prime} 53{ }^{\prime \prime} \mathrm{W}$ | 183.07 | meters to corner |
| thence | S 4653'09" W | 215.15 | meters to corner |
| thence | S 26003'18" W | 150.32 | meters to corner |
| thence | S $39^{\circ} 55^{\prime} 25^{\prime \prime} \mathrm{E}$ | 183.93 | meters to corner |
| thence | S 22 ${ }^{\circ} 32^{\prime} 06{ }^{\prime \prime} \mathrm{W}$ | 203.61 | meters to corner |
| thence | S 44*00'55" W | 193.84 | meters to corner |
| thence | S 38* $31{ }^{\prime} 55^{\prime \prime} \mathrm{W}$ | 207.16 | meters to corner |
| thence | S 5048'36" W | 454.33 | meters to corner |
| thence | S 22 ${ }^{\circ} 57^{\prime} 09^{\prime \prime} \mathrm{E}$ | 184.68 | meters to corner |
| thence | N 6653'03' W | 178.38 | meters to corner |
| thence | N 36 ${ }^{\circ} 13^{\prime} 51^{\prime \prime} \mathrm{W}$ | 143.86 | meters to corner |
| thence | N $23^{\circ} 43^{\prime} 07^{\prime \prime} \mathrm{W}$ | 144.23 | meters to corner |
| thence | S 65²3'35' W | 144.14 | meters to corner |
| thence | S $24^{\circ} 55^{\prime} 24^{\prime \prime} \mathrm{W}$ | 109.20 | meters to corner |
| thence | S $59{ }^{\circ} 38^{\prime} 57^{\prime \prime} \mathrm{W}$ | 128.68 | meters to corner |
| thence | S $23^{\circ} 35^{\prime} 00^{\prime \prime} \mathrm{W}$ | 137.53 | meters to corner |
| thence | S 60²9'47" W | 148.28 | meters to corner |
| thence | S 86²8'49" W | 130.29 | meters to corner |
| thence | S $00^{\circ} 54^{\prime} 111^{\prime \prime} \mathrm{E}$ | 190.09 | meters to corner |
| thence | S $82^{\circ} 47^{\prime} 15^{\prime \prime} \mathrm{W}$ | 318.63 | meters to corner |


| thence | N 11 ${ }^{\circ} 10^{\prime} 47{ }^{\prime \prime} \mathrm{E}$ | 170.29 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | N 21³1'50" E | 117.22 | meters to corner |
| thence | N 0000'06" E | 83.03 | meters to corner |
| thence | S $82^{\circ} 38^{\prime} 57{ }^{\prime \prime} \mathrm{W}$ | 93.80 | meters to corner |
| thence | N 29*32'14" W | 68.99 | meters to corner |
| thence | N 56 ${ }^{\circ} 18^{\prime} 42^{\prime \prime} \mathrm{E}$ | 104.60 | meters to corner |
| thence | N 42 ${ }^{\circ} 40{ }^{\prime} 48^{\prime \prime} \mathrm{E}$ | 104.78 | meters to corner |
| thence | N 03048'56" E | 120.31 | meters to corner |
| thence | N 43006'48" E | 193.21 | meters to corner |
| thence | N 3151'07" E | 587.66 | meters to corner |
| thence | N 67 $10^{\prime} 05^{\prime \prime} \mathrm{E}$ | 247.47 | meters to corner |
| thence | N 11 ${ }^{\circ} 53^{\prime} 05^{\prime \prime}$ W | 511.18 | meters to corner |
| thence | N 31* ${ }^{\circ} 3^{\prime} 32^{\prime \prime} \mathrm{E}$ | 167.64 | meters to corner |
| thence | N 19¹6'18" W | 290.49 | meters to corner |
| thence | S 84³1'53' W | 143.72 | meters to corner |
| thence | N 22047'27" E | 380.02 | meters to corner |
| thence | N 48³9'24" W | 209.83 | meters to corner |
| thence | N 07010'48" W | 141.37 | meters to corner |
| thence | N 1850'12" W | 449.21 | meters to corner |
| thence | S 15²0'49" W | 223.03 | meters to corner |
| thence | N 7508'39" W | 142.09 | meters to corner |
| thence | N 24*32'42" W | 266.62 | meters to corner |
| thence | N 32 ${ }^{\circ} 16{ }^{\prime} 23^{\prime \prime} \mathrm{W}$ | 543.24 | meters to corner |
| thence | N 0101'29" E | 168.09 | meters to corner |
| thence | N 06²3'58" W | 355.87 | meters to corner |
| thence | N 0048'19" W | 71.36 | meters to corner |
| thence | N 35 ${ }^{\circ} 13^{\prime} 16^{\prime \prime} \mathrm{E}$ | 160.52 | meters to corner |
| thence | N 23²6'42" W | 129.91 | meters to corner |
| thence | N 6456'42" W | 134.33 | meters to corner |
| thence | N 22054'56" W | 168.40 | meters to corner |
| thence | N 0343'28" E | 292.72 | meters to corner |
| thence | N 68²59'59" W | 106.08 | meters to corner |


| thence | N 01³6'02" W | 143.11 | meters to corner | 523; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 57057'51" W | 211.23 | meters to corner | 524; |
| thence | N 82 ${ }^{\circ} 27^{\prime} 44^{\prime \prime} \mathrm{E}$ | 137.23 | meters to corner | 525; |
| thence | N 33 ${ }^{\circ} 00^{\prime} 17{ }^{\prime \prime} \mathrm{E}$ | 115.70 | meters to corner | 526; |
| thence | N 34* $35^{\prime} 38^{\prime \prime} \mathrm{E}$ | 176.20 | meters to corner | 527; |
| thence | N 30 ${ }^{\circ} 00^{\prime} 31^{\prime \prime} \mathrm{W}$ | 134.01 | meters to corner | 528; |
| thence | N 48 ${ }^{\circ} 06^{\prime} 12^{\prime \prime} \mathrm{E}$ | 143.80 | meters to corner | 529; |
| thence | N 0101'29"E | 280.14 | meters to corner | 530; |
| thence | N 22047'03' E | 108.50 | meters to corner | 531; |
| thence | N 6345'09" W | 160.61 | meters to corner | 532; |
| thence | N 28²7'19" W | 149.06 | meters to corner | 533; |
| thence | N 54 ${ }^{\circ} 16^{\prime} 27{ }^{\prime \prime} \mathrm{E}$ | 210.72 | meters to corner | 534; |
| thence | N $21^{\circ} 21^{\prime} 01^{\prime \prime} \mathrm{E}$ | 211.59 | meters to corner | 535; |
| thence | S 85 ${ }^{\circ} 19^{\prime} 27^{\prime \prime}$ W | 110.41 | meters to corner | 536; |
| thence | S 55 ${ }^{\circ} 13^{\prime} 26^{\prime \prime} \mathrm{W}$ | 131.53 | meters to corner | 537; |
| thence | S $84^{\circ} 52^{\prime} 25^{\prime \prime} \mathrm{W}$ | 78.34 | meters to corner | 538; |
| thence | N 34*¹4'09" W | 87.12 | meters to corner | 539; |
| thence | S $84^{\circ} 26^{\prime} 43^{\prime \prime} \mathrm{E}$ | 72.37 | meters to corner | 540; |
| thence | N 49 ${ }^{\circ} 55^{\prime} 43^{\prime \prime} \mathrm{E}$ | 82.36 | meters to corner | 541; |
| thence | N 29 ${ }^{\circ} 55^{\prime} 59^{\prime \prime} \mathrm{E}$ | 114.28 | meters to corner | 542; |
| thence | N 37055'10" W | 109.06 | meters to corner | 543; |
| thence | S 48²9'52" W | 220.40 | meters to corner | 544; |
| thence | S $86^{\circ} 20^{\prime} 58^{\prime \prime} \mathrm{W}$ | 47.11 | meters to corner | 545; |
| thence | N 4702'37" W | 39.64 | meters to corner | 546; |
| thence | N 79057'41' W | 114.80 | meters to corner | 547; |
| thence | N 49 ${ }^{\circ} 05^{\prime} 14^{\prime \prime} \mathrm{E}$ | 119.14 | meters to corner | 548; |
| thence | N 670 $50 \cdot 42^{\prime \prime}$ W | 151.21 | meters to corner | 549; |
| thence | N 1550'11" W | 146.62 | meters to corner | 550; |
| thence | N 47³9'41" W | 121.80 | meters to corner | 551; |
| thence | N 0847'32' E | 98.19 | meters to corner | 552; |
| thence | N 34²6'14" W | 84.91 | meters to corner | 553; |
| thence | N 89 ${ }^{\circ} 05^{\prime 2} 2{ }^{\prime \prime}$ W | 252.12 | meters to corner | 554; |


| thence | N 12*31'50" E | 184.46 | meters to corner | 555; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 3143'55" W | 178.78 | meters to corner | 556; |
| thence | N 88²0'17" W | 138.11 | meters to corner | 557; |
| thence | N 1556'49" E | 109.24 | meters to corner | 558; |
| thence | N 270 $16^{\prime} 15^{\prime \prime}$ W | 181.20 | meters to corner | 559; |
| thence | N 74* $18^{\prime} 30^{\prime \prime} \mathrm{W}$ | 92.48 | meters to corner | 560; |
| thence | N 45**1'19" W | 58.72 | meters to corner | 561; |
| thence | N 89 ${ }^{\circ} 19^{\prime} 56^{\prime \prime}$ W | 86.04 | meters to corner | 562; |
| thence | N 25 ${ }^{\circ} 27^{\prime} 42^{\prime \prime}$ W | 116.34 | meters to corner | 563; |
| thence | N 59 ${ }^{\circ} 31^{\prime} 58^{\prime \prime}$ W | 39.46 | meters to corner | 564; |
| thence | S 8051'36" W | 88.15 | meters to corner | 565; |
| thence | N 74*25'33' W | 126.69 | meters to corner | 566; |
| thence | S $84^{\circ} 48^{\prime} 26^{\prime \prime} \mathrm{W}$ | 132.59 | meters to corner | 567; |
| thence | N 83 ${ }^{\circ} 00^{\prime} 38^{\prime \prime}$ W | 518.03 | meters to corner | 568; |
| thence | N 11 ${ }^{\circ} 55^{\prime} 09^{\prime \prime}$ W | 92.02 | meters to corner | 569; |
| thence | N 32²5'33' W | 100.74 | meters to corner | 570; |
| thence | N 35 ${ }^{\circ} 20^{\prime} 30{ }^{\prime \prime} \mathrm{E}$ | 67.45 | meters to corner | 571; |
| thence | N 18³7'59" W | 90.79 | meters to corner | 572; |
| thence | N 42*39'52" E | 17.32 | meters to corner | 573; |
| thence | N 42*39'52" E | 52.06 | meters to corner | 574; |
| thence | N 16 ${ }^{\circ} 12^{\prime} 27^{\prime \prime}$ W | 89.59 | meters to corner | 575; |
| thence | N 415 ${ }^{\circ}{ }^{\prime} 35^{\prime \prime} \mathrm{E}$ | 92.80 | meters to corner | 576; |
| thence | N 34* ${ }^{\circ} 5^{\prime} 57^{\prime \prime} \mathrm{E}$ | 76.87 | meters to corner | 577; |
| thence | N 370 $52 ' 36^{\prime \prime} \mathrm{E}$ | 22.81 | meters to corner | 578; |
| thence | N 03²5'08" W | 61.39 | meters to corner | 579; |
| thence | N 070²6'00" E | 12.85 | meters to corner | 580; |
| thence | N 59 ${ }^{\circ} 22^{\prime} 47{ }^{\prime \prime}$ W | 56.96 | meters to corner | 581; |
| thence | N 49 0 07'13' E | 306.29 | meters to corner | 582; |
| thence | S $49^{\circ} 08^{\prime} 35^{\prime \prime} \mathrm{E}$ | 155.37 | meters to corner | 583; |
| thence | S 6359'42" E | 289.78 | meters to corner | 584; |
| thence | N 36²0'36" E | 780.07 | meters to corner | 585; |
| thence | S $71^{\circ} 03{ }^{\prime} 07^{\prime \prime} \mathrm{E}$ | 599.98 | meters to corner | 586; |


| thence | S 75 ${ }^{\circ} 20^{\prime} 28^{\prime \prime} \mathrm{E}$ | 383.18 | meters to corner | 587; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 3653'58" W | 155.42 | meters to corner | 588; |
| thence | S 26 ${ }^{\circ} 34^{\prime} 00^{\prime \prime} \mathrm{W}$ | 60.40 | meters to corner | 589; |
| thence | S 44* ${ }^{\circ} 2^{\prime} 06^{\prime \prime} \mathrm{W}$ | 73.31 | meters to corner | 590; |
| thence | S 06 ${ }^{\circ} 04^{\prime} 15^{\prime \prime} \mathrm{E}$ | 125.10 | meters to corner | 591; |
| thence | N 65 ${ }^{\circ} 22^{\prime} 41^{\prime \prime} \mathrm{E}$ | 69.88 | meters to corner | 592; |
| thence | S $41^{\circ} 25^{\prime} 19{ }^{\prime \prime} \mathrm{E}$ | 60.01 | meters to corner | 593; |
| thence | N 57³1'50" E | 103.53 | meters to corner | 594; |
| thence | S $44^{\circ} 46{ }^{\prime} 51^{\prime \prime} \mathrm{E}$ | 79.48 | meters to corner | 595; |
| thence | S $00^{\circ} 17^{\prime} 16^{\prime \prime} \mathrm{W}$ | 81.22 | meters to corner | 596; |
| thence | N 26 ${ }^{\circ} 56^{\prime} 55^{\prime \prime} \mathrm{E}$ | 117.83 | meters to corner | 597; |
| thence | N 470 $20 \cdot 20^{\prime \prime} \mathrm{E}$ | 127.02 | meters to corner | 598; |
| thence | N 6758'28" E | 129.41 | meters to corner | 599; |
| thence | N 59 ${ }^{\circ} 10^{\prime} 26{ }^{\prime \prime} \mathrm{E}$ | 66.12 | meters to corner | 600; |
| thence | N 370 $11^{\prime} 11^{\prime \prime} \mathrm{E}$ | 66.67 | meters to corner | 601; |
| thence | N 01²02'49" W | 36.64 | meters to corner | 602; |
| thence | N 30²7'50' W | 90.31 | meters to corner | 603; |
| thence | N 68³7'39" W | 22.62 | meters to corner | 604; |
| thence | N 8644'13' W | 52.66 | meters to corner | 605; |
| thence | S 64³2'07" W | 134.84 | meters to corner | 606; |
| thence | N 78041'18" W | 80.98 | meters to corner | 607; |
| thence | S 64*07'40' W | 77.75 | meters to corner | 608; |
| thence | N 2058'24" E | 84.52 | meters to corner | 609; |
| thence | S 88 $19^{\prime} 01{ }^{\prime \prime}$ W | 90.03 | meters to corner | 610; |
| thence | N 75 ${ }^{\circ} 20^{\prime} 28^{\prime \prime}$ W | 383.18 | meters to corner | 611; |
| thence | N 5046'34' E | 535.74 | meters to corner | 612; |
| thence | N 79 ${ }^{\circ} 01^{\prime} 16^{\prime \prime} \mathrm{E}$ | 578.06 | meters to corner | 613; |
| thence | N 73³5'35' E | 3206.09 | meters to corner | 614; |
| thence | S 56\%42'45" E | 1207.32 | meters to corner | 615; |
| thence | S 0849'53'E | 319.61 | meters to corner | 616; |
| thence | S 4702'49" W | 116.23 | meters to corner | 617; |
| thence | S 220³0'20" W | 180.86 | meters to corner | 618; |


| thence | S $08^{\circ} 14^{\prime} 11{ }^{\prime \prime} \mathrm{W}$ | 402.46 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | S 3548'05" W | 149.19 | meters to corner |
| thence | N 69043'10" W | 130.26 | meters to corner |
| thence | S 67050'19" W | 620.93 | meters to corner |
| thence | S 12050'22" W | 393.36 | meters to corner |
| thence | S 120 $50 \cdot 22^{\prime \prime} \mathrm{W}$ | 247.02 | meters to corner |
| thence | S 0641'31" E | 385.49 | meters to corner |
| thence | S 1205'05" W | 646.18 | meters to corner |
| thence | S 015 $59 ' 39^{\prime \prime} \mathrm{E}$ | 438.41 | meters to corner |
| thence | S $22^{\circ} 13^{\prime} 03^{\prime \prime} \mathrm{E}$ | 397.34 | meters to corner |
| thence | S $51^{\circ} 54^{\prime} 27^{\prime \prime} \mathrm{E}$ | 213.43 | meters to corner |
| thence | S $21^{\circ} 322^{\prime \prime} 1{ }^{\prime \prime} \mathrm{E}$ | 429.32 | meters to corner |
| thence | S 39**4'11' W | 171.45 | meters to corner |
| thence | S 30³9'52" W | 199.72 | meters to corner |
| thence | S 670 $8^{\prime} 40{ }^{\prime \prime} \mathrm{W}$ | 347.77 | meters to corner |
| thence | S 33049'49"E | 167.27 | meters to corner |
| thence | S 490 $29^{\prime} 11^{\prime \prime}$ W | 144.74 | meters to corner |
| thence | S 33 ${ }^{\circ} 11^{\prime} 40^{\prime \prime} \mathrm{W}$ | 127.91 | meters to corner |
| thence | S 6056'55" W | 149.25 | meters to corner |
| thence | S 430 $43^{\prime} 20{ }^{\prime \prime} \mathrm{E}$ | 135.79 | meters to corner |
| thence | S $28^{\circ} 10^{\prime} 37{ }^{\prime \prime} \mathrm{E}$ | 107.19 | meters to corner |
| thence | S $00^{\circ} 52{ }^{\prime} 15^{\prime \prime} \mathrm{E}$ | 394.18 | meters to corner |
| thence | S $59^{\circ} 44^{\prime} 31^{\prime \prime} \mathrm{E}$ | 194.56 | meters to corner |
| thence | S 01 ${ }^{\circ} 10^{\prime} 46{ }^{\prime \prime} \mathrm{E}$ | 97.06 | meters to corner |
| thence | S 480 ${ }^{\circ} 44^{\prime} 10^{\prime \prime} \mathrm{E}$ | 141.06 | meters to corner |
| thence | S $15^{\circ} 15^{\prime} 25^{\prime \prime} \mathrm{W}$ | 79.84 | meters to corner |
| thence | N 85 ${ }^{\circ} 52^{\prime} 48^{\prime \prime} \mathrm{W}$ | 125.37 | meters to corner |
| thence | S 04²0'19" W | 798.87 | meters to corner |
| thence | N 8008'42' E | 153.71 | meters to corner |
| thence | N 02 ${ }^{\circ} 38^{\prime} 27^{\prime \prime}$ W | 130.18 | meters to corner |
| thence | S $87{ }^{\circ} 15^{\prime} 24^{\prime \prime} \mathrm{E}$ | 162.98 | meters to corner |
| thence | N 07032'10"E | 352.96 | meters to corner |


| thence | N 86º $10^{\prime} 30^{\prime \prime} \mathrm{E}$ | 299.77 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | N 1457'25" W | 271.29 | meters to corner |
| thence | N 53²2'03' E | 243.09 | meters to corner |
| thence | N 38³4'01' E | 189.35 | meters to corner |
| thence | S 5449'03" E | 149.32 | meters to corner |
| thence | S $42^{\circ} 26^{\prime} 22^{\prime \prime} \mathrm{E}$ | 253.49 | meters to corner |
| thence | N 7800'54" E | 170.69 | meters to corner |
| thence | N 0145'18" E | 98.08 | meters to corner |
| thence | N 51004'27'E | 167.17 | meters to corner |
| thence | S $31^{\circ} 11^{\prime} 56{ }^{\prime \prime} \mathrm{E}$ | 166.07 | meters to corner |
| thence | S 06044'16" W | 127.93 | meters to corner |
| thence | S $83{ }^{\circ} 30 \cdot 15^{\prime \prime} \mathrm{E}$ | 871.38 | meters to corner |
| thence | S 570 $53 ' 48^{\prime \prime} \mathrm{E}$ | 836.69 | meters to corner |
| thence | N 82 ${ }^{\circ} 11^{\prime} 07^{\prime \prime}$ W | 417.38 | meters to corner |
| thence | S 49**48'53' W | 252.26 | meters to corner |
| thence | S 360\%48'39" W | 188.67 | meters to corner |
| thence | S 18³ ${ }^{\circ}{ }^{\prime} 35^{\prime \prime} \mathrm{W}$ | 382.14 | meters to corner |
| thence | S 6254'22" W | 193.27 | meters to corner |
| thence | S $69{ }^{\circ} 44^{\prime} 52^{\prime \prime} \mathrm{E}$ | 219.65 | meters to corner |
| thence | S 8142'04" E | 242.62 | meters to corner |
| thence | S $49{ }^{\circ} 35^{\prime} 33^{\prime \prime} \mathrm{E}$ | 317.92 | meters to corner |
| thence | S 49 ${ }^{\circ} 29^{\prime} 11^{\prime \prime}$ W | 144.74 | meters to corner |
| thence | S 20 ${ }^{\circ}{ }^{\prime}{ }^{\prime} 05^{\prime \prime} \mathrm{E}$ | 492.57 | meters to corner |
| thence | S 399003'17" W | 136.55 | meters to corner |
| thence | N 1793 ${ }^{\circ}{ }^{\prime} 42^{\prime \prime}$ W | 211.97 | meters to corner |
| thence | N 73 ${ }^{\circ} 27^{\prime} 06^{\prime \prime} \mathrm{W}$ | 144.01 | meters to corner |
| thence | S 68²0'18' W | 158.65 | meters to corner |
| thence | N 7905 ${ }^{\circ}{ }^{\prime} 25^{\prime \prime}$ W | 155.42 | meters to corner |
| thence | N 38044'22' W | 220.60 | meters to corner |
| thence | S 32005'54" W | 199.56 | meters to corner |
| thence | S 2604'06" E | 207.14 | meters to corner |
| thence | S $75^{\circ} 35^{\prime} 18^{\prime \prime} \mathrm{E}$ | 297.46 | meters to corner |


| thence | S $32^{\circ} 00^{\prime} 25^{\prime \prime}$ W | 217.06 | meters to corner | 683; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 1642'44" W | 139.50 | meters to corner | 684; |
| thence | S $38^{\circ} 05^{\prime} 14^{\prime \prime} \mathrm{E}$ | 160.70 | meters to corner | 685; |
| thence | S $83^{\circ} 22^{\prime} 28^{\prime \prime} \mathrm{E}$ | 156.10 | meters to corner | 686; |
| thence | S 64³2'06" E | 93.07 | meters to corner | 687; |
| thence | N $86^{\circ} 11^{\prime} 15^{\prime \prime} \mathrm{E}$ | 135.35 | meters to corner | 688; |
| thence | S 19033'24" E | 80.68 | meters to corner | 689; |
| thence | S 24**47'59" W | 174.11 | meters to corner | 690; |
| thence | S $24^{\circ} 21^{\prime} 10^{\prime \prime} \mathrm{E}$ | 371.15 | meters to corner | 691; |
| thence | S $29^{\circ} 24^{\prime} 39{ }^{\prime \prime} \mathrm{E}$ | 171.11 | meters to corner | 692; |
| thence | N 42 ${ }^{\circ} 18^{\prime} 04^{\prime \prime} \mathrm{E}$ | 150.13 | meters to corner | 693; |
| thence | S $41^{\circ} 18^{\prime} 44^{\prime \prime} \mathrm{E}$ | 253.05 | meters to corner | 694; |
| thence | S 29 ${ }^{\circ} 10^{\prime} 20^{\prime \prime} \mathrm{W}$ | 346.96 | meters to corner | 695; |
| thence | N 7751'20' E | 179.37 | meters to corner | 696; |
| thence | N 7751'20' E | 266.82 | meters to corner | 697; |
| thence | S $38^{\circ} 46^{\prime} 58^{\prime \prime} \mathrm{E}$ | 287.46 | meters to corner | 698; |
| thence | S 49 ${ }^{\circ} 35^{\prime} 39^{\prime \prime} \mathrm{E}$ | 220.70 | meters to corner | 699; |
| thence | S 49 ${ }^{\circ} 30^{\prime} 44^{\prime \prime} \mathrm{E}$ | 215.71 | meters to corner | 700; |
| thence | N 014 $47{ }^{\prime} 47^{\prime \prime}$ W | 223.19 | meters to corner | 701; |
| thence | N $23{ }^{\circ} 21^{\prime} 04^{\prime \prime} \mathrm{E}$ | 199.39 | meters to corner | 702; |
| thence | S $38^{\circ} 24^{\prime} 59^{\prime \prime} \mathrm{E}$ | 148.11 | meters to corner | 703; |
| thence | S $29^{\circ} 29^{\prime} 35^{\prime \prime}$ W | 140.21 | meters to corner | 704; |
| thence | S 05º $12{ }^{\prime} 55^{\prime \prime} \mathrm{E}$ | 231.04 | meters to corner | 705; |
| thence | N 35 ${ }^{\circ} 15^{\prime} 06^{\prime \prime} \mathrm{E}$ | 254.79 | meters to corner | 706; |
| thence | S 39 ${ }^{\circ} 36^{\prime} 32^{\prime \prime}$ E | 188.28 | meters to corner | 707; |
| thence | S 36 ${ }^{\circ} 06^{\prime} 33^{\prime \prime}$ W | 105.25 | meters to corner | 708; |
| thence | S $53^{\circ} 03^{\prime} 45^{\prime \prime} \mathrm{E}$ | 347.92 | meters to corner | 709; |
| thence | N 48 ${ }^{\circ} 11^{\prime} 15^{\prime \prime} \mathrm{E}$ | 369.10 | meters to corner | 710; |
| thence | S $07^{\circ} 29^{\prime} 20^{\prime \prime} \mathrm{W}$ | 176.57 | meters to corner | 711; |
| thence | S 36²2'22' W | 183.87 | meters to corner | 712; |
| thence | S 5602'42' E | 664.49 | meters to corner | 713; |
| thence | S $76{ }^{\circ} 43^{\prime} 05^{\prime \prime} \mathrm{E}$ | 165.48 | meters to corner | 714; |


| thence | S 42¹4'39"E | 691.89 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | S 74²9'48" W | 160.91 | meters to corner |
| thence | S 29040'06" W | 90.95 | meters to corner |
| thence | S $30^{\circ} 16^{\prime} 45^{\prime \prime} \mathrm{E}$ | 96.89 | meters to corner |
| thence | S $83{ }^{\circ} 09^{\prime} 20{ }^{\prime \prime} \mathrm{E}$ | 318.20 | meters to corner |
| thence | S 6052'43' E | 159.66 | meters to corner |
| thence | N 36 ${ }^{\circ} 55^{\prime} 05^{\prime \prime} \mathrm{E}$ | 115.33 | meters to corner |
| thence | N 12039'53" E | 151.59 | meters to corner |
| thence | N 41*33'29"E | 115.71 | meters to corner |
| thence | N $77^{\circ} 14^{\prime} 15^{\prime \prime} \mathrm{E}$ | 148.29 | meters to corner |
| thence | S $86^{\circ} 35^{\prime} 25^{\prime \prime} \mathrm{E}$ | 188.96 | meters to corner |
| thence | N 64¹0'23" E | 117.34 | meters to corner |
| thence | N 28* ${ }^{\circ} 7^{\prime} 39^{\prime \prime} \mathrm{E}$ | 298.59 | meters to corner |
| thence | N 1905'43" E | 192.66 | meters to corner |
| thence | N 499 ${ }^{\circ} 14^{\prime} 05^{\prime \prime} \mathrm{W}$ | 76.60 | meters to corner |
| thence | S 57039'46" W | 564.76 | meters to corner |
| thence | N 35 ${ }^{\circ} 58^{\prime} 15^{\prime \prime}$ W | 76.64 | meters to corner |
| thence | N 43 ${ }^{\circ} 18^{\prime} 14^{\prime \prime} \mathrm{E}$ | 453.61 | meters to corner |
| thence | N 41 ${ }^{\circ} 07^{\prime} 38^{\prime \prime} \mathrm{W}$ | 188.59 | meters to corner |
| thence | S 5009'26" W | 188.92 | meters to corner |
| thence | N 57³7'03' W | 97.13 | meters to corner |
| thence | N $24^{\circ} 25^{\prime 2} 25^{\prime \prime} \mathrm{E}$ | 215.34 | meters to corner |
| thence | N 3859'22' W | 108.11 | meters to corner |
| thence | S 6949'51" W | 104.44 | meters to corner |
| thence | N 8054'29" W | 101.31 | meters to corner |
| thence | N 24³0'01' E | 260.54 | meters to corner |
| thence | N 77¹0'45" W | 342.66 | meters to corner |
| thence | N 39 ${ }^{\circ} 10^{\prime} 58^{\prime \prime} \mathrm{W}$ | 153.58 | meters to corner |
| thence | S 54* $32{ }^{\prime} 57^{\prime \prime}$ W | 234.55 | meters to corner |
| thence | N 73 ${ }^{\circ} 28^{\prime} 02^{\prime \prime}$ W | 228.52 | meters to corner |
| thence | N 32 ${ }^{\circ} 33^{\prime} 01^{\prime \prime}$ W | 412.02 | meters to corner |
| thence | N 4257'06" W | 226.65 | meters to corner |


| thence | N 62 ${ }^{\circ} 04^{\prime} 16^{\prime \prime} \mathrm{W}$ | 168.44 | meters to corner | 747; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S $87^{\circ} 12^{\prime} 36{ }^{\prime \prime} \mathrm{W}$ | 202.54 | meters to corner | 748; |
| thence | N 51動'34" W | 94.05 | meters to corner | 749; |
| thence | S 82054'33" W | 218.75 | meters to corner | 750; |
| thence | N 46¹4'25" W | 1044.30 | meters to corner | 751; |
| thence | N $27^{\circ} 52^{\prime} 54^{\prime \prime}$ W | 213.90 | meters to corner | 752; |
| thence | N 43³ $33^{\prime} 45^{\prime \prime} \mathrm{E}$ | 281.62 | meters to corner | 753; |
| thence | N 12*36'43' W | 146.59 | meters to corner | 754; |
| thence | N 45 ${ }^{\circ} 37^{\prime} 49^{\prime \prime}$ W | 384.83 | meters to corner | 755; |
| thence | N 12050'28' W | 198.02 | meters to corner | 756; |
| thence | N 33006'35" W | 302.16 | meters to corner | 757; |
| thence | N 19 ${ }^{\circ} 26^{\prime} 30^{\prime \prime} \mathrm{E}$ | 198.38 | meters to corner | 758; |
| thence | N 61047'18" W | 171.41 | meters to corner | 759; |
| thence | S $86^{\circ} 15^{\prime} 03^{\prime \prime} \mathrm{E}$ | 229.57 | meters to corner | 760; |
| thence | N 419111'15"E | 755.01 | meters to corner | 761; |
| thence | N 39 ${ }^{\circ} 45^{\prime} 05^{\prime \prime} \mathrm{E}$ | 262.82 | meters to corner | 762; |
| thence | N 35 ${ }^{\circ}{ }^{\prime}{ }^{\prime} 54^{\prime \prime} \mathrm{E}$ | 383.87 | meters to corner | 763; |
| thence | S $51^{\circ} 25^{\prime} 34^{\prime \prime} \mathrm{E}$ | 511.81 | meters to corner | 764; |
| thence | N 47 ${ }^{\circ} 15^{\prime} 08^{\prime \prime} \mathrm{E}$ | 162.11 | meters to corner | 765; |
| thence | N 7449'43' E | 428.07 | meters to corner | 766; |
| thence | S 52 ${ }^{\circ} 19^{\prime} 20^{\prime \prime} \mathrm{E}$ | 227.50 | meters to corner | 767; |
| thence | S $79^{\circ} 11^{\prime} 48^{\prime \prime} \mathrm{E}$ | 154.80 | meters to corner | 768; |
| thence | S 68 ${ }^{\circ} 04^{\prime} 48^{\prime \prime} \mathrm{E}$ | 246.75 | meters to corner | 769; |
| thence | S 63²7'41" E | 288.67 | meters to corner | 770; |
| thence | S 49021'01" E | 932.15 | meters to corner | 771; |
| thence | S 76³4'50" E | 314.70 | meters to corner | 772; |
| thence | S 4046'34"E | 211.37 | meters to corner | 773; |
| thence | N 5145'03" E | 240.76 | meters to corner | 774; |
| thence | S 08046'46" E | 124.50 | meters to corner | 775; |
| thence | S 320041'25' E | 79.64 | meters to corner | 776; |
| thence | S 45 ${ }^{\circ} 00^{\prime} 06^{\prime \prime} \mathrm{W}$ | 80.64 | meters to corner | 777; |
| thence | S 2048'21" E | 184.17 | meters to corner | 778; |


| thence | N 8159'33" E | 280.25 | meters to corner | 779; |
| :---: | :---: | :---: | :---: | :---: |
| thence | S 4558'12" E | 1086.48 | meters to corner | 780; |
| thence | N 78³9'17" E | 80.75 | meters to corner | 781; |
| thence | S 62 ${ }^{\circ} 24^{\prime} 38^{\prime \prime} \mathrm{E}$ | 149.04 | meters to corner | 782; |
| thence | S 76³8'46" E | 247.31 | meters to corner | 783; |
| thence | S $87^{\circ} 20^{\prime} 05^{\prime \prime} \mathrm{E}$ | 225.46 | meters to corner | 784; |
| thence | S 6001'47" E | 354.75 | meters to corner | 785; |
| thence | N 75 ${ }^{\circ} 17^{\prime} 40{ }^{\prime \prime} \mathrm{E}$ | 203.20 | meters to corner | 786; |
| thence | N 28¹0'53" E | 211.63 | meters to corner | 787; |
| thence | N 31 ${ }^{\circ} 08^{\prime} 06^{\prime \prime} \mathrm{W}$ | 179.26 | meters to corner | 788; |
| thence | N $22^{\circ} 28^{\prime} 57^{\prime \prime} \mathrm{W}$ | 348.05 | meters to corner | 789; |
| thence | N 38 ${ }^{\circ} 17^{\prime} 34^{\prime \prime}$ W | 614.13 | meters to corner | 790; |
| thence | N 65 ${ }^{\circ} 44^{\prime} 13^{\prime \prime} \mathrm{W}$ | 389.53 | meters to corner | 791; |
| thence | S $81{ }^{\circ} 26^{\prime} 14^{\prime \prime}$ W | 167.93 | meters to corner | 792; |
| thence | N 06 ${ }^{\circ} 39^{\prime} 04^{\prime \prime}$ W | 308.03 | meters to corner | 793; |
| thence | N 53 ${ }^{\circ} 09^{\prime} 17^{\prime \prime}$ W | 165.41 | meters to corner | 794; |
| thence | N 35 ${ }^{\circ} 49^{\prime} 37{ }^{\prime \prime}$ W | 287.24 | meters to corner | 795; |
| thence | N 6342'22' W | 425.03 | meters to corner | 796; |
| thence | N 35 ${ }^{\circ} 02^{\prime} 59^{\prime \prime}$ W | 712.41 | meters to corner | 797; |
| thence | N 48 ${ }^{\circ} 28^{\prime} 34{ }^{\prime \prime} \mathrm{E}$ | 376.06 | meters to corner | 798; |
| thence | N 52 ${ }^{\circ} 06^{\prime} 48^{\prime \prime}$ W | 460.65 | meters to corner | 799; |
| thence | S 56 ${ }^{\circ} 04^{\prime} 19^{\prime \prime} \mathrm{W}$ | 265.24 | meters to corner | 800; |
| thence | N 48 ${ }^{\circ} 01^{\prime} 06^{\prime \prime}$ W | 260.86 | meters to corner | 801; |
| thence | N 820 $311^{\prime} 43^{\prime \prime}$ W | 693.83 | meters to corner | 802; |
| thence | N 42 ${ }^{\circ} 07{ }^{\prime} 34{ }^{\prime \prime}$ W | 295.95 | meters to corner | 803; |
| thence | N 58 ${ }^{\circ} 56{ }^{\prime} 04^{\prime \prime}$ W | 490.49 | meters to corner | 804; |
| thence | N 23 ${ }^{\circ} 29^{\prime} 22^{\prime \prime}$ W | 162.80 | meters to corner | 805; |
| thence | N 8055'33' W | 137.07 | meters to corner | 806; |
| thence | S 01¹0'46" E | 202.98 | meters to corner | 807; |
| thence | N 770 $29^{\prime} 10^{\prime \prime} \mathrm{W}$ | 374.01 | meters to corner | 808; |
| thence | N 26 ${ }^{\circ} 09^{\prime} 36{ }^{\prime \prime}$ W | 825.87 | meters to corner | 809; |
| thence | N 39 ${ }^{\circ} 14^{\prime} 01{ }^{\prime \prime} \mathrm{E}$ | 140.77 | meters to corner | 810; |


| thence | S $81{ }^{\circ} 54^{\prime} 50{ }^{\prime \prime} \mathrm{E}$ | 177.83 | meters to corner |
| :---: | :---: | :---: | :---: |
| thence | N 4352'08" E | 603.53 | meters to corner |
| thence | S $44^{\circ} 28^{\prime} 40{ }^{\prime \prime} \mathrm{E}$ | 201.16 | meters to corner |
| thence | S $74^{\circ} 14^{\prime} 38^{\prime \prime} \mathrm{E}$ | 233.89 | meters to corner |
| thence | S 36¹5'29" E | 172.03 | meters to corner |
| thence | N 780 ${ }^{\circ} 5^{\prime} 23^{\prime \prime} \mathrm{E}$ | 127.54 | meters to corner |
| thence | N 20³8'39" | 46.73 | meters to corner |
| thence | S 62 ${ }^{\circ} 31{ }^{\prime} 21{ }^{\prime \prime} \mathrm{E}$ | 281.60 | meters to corner |
| thence | N 10¹6'07" E | 276.40 | meters to corner |
| thence | N 24*01'15" E | 58.46 | meters to corner |
| thence | N 1056'42" W | 222.48 | meters to corner |
| thence | N 28054'43' W | 221.56 | meters to corner |
| thence | N 33000'48" W | 343.69 | meters to corner |
| thence | N 47³8'06" W | 604.31 | meters to corner |
| thence | N 62²2'49" W | 364.48 | meters to corner |
| thence | N 3001'58" W | 643.36 | meters to corner |
| thence | N 87010'59" W | 356.50 | meters to corner |
| thence | S 47045'05' W | 605.32 | meters to corner |
| thence | N 65³0'03" W | 302.13 | meters to corner |
| thence | N 3559'57" E | 244.05 | meters to corner |
| thence | N 170 ${ }^{\circ} 5^{\prime} 15^{\prime \prime} \mathrm{E}$ | 437.54 | meters to corner |
| thence | N 56²5'43' W | 150.69 | meters to corner |
| thence | S 73³2'14" W | 86.95 | meters to corner |
| thence | S 35²4'40" W | 516.97 | meters to corner |
| thence | N 69 ${ }^{\circ} 01^{\prime} 01^{\prime \prime} \mathrm{W}$ | 712.79 | meters to corner |
| thence | N 6740'58" W | 289.80 | meters to corner |
| thence | N 26 ${ }^{\circ} 01^{\prime} 58^{\prime \prime} \mathrm{W}$ | 187.36 | meters to corner |
| thence | S 85 ${ }^{\circ} 02^{\prime} 39^{\prime \prime}$ W | 306.00 | meters to corner |
| thence | S 15 ${ }^{\circ} 18^{\prime} 18^{\prime \prime} \mathrm{W}$ | 250.85 | meters to corner |
| thence | S 24³9'08" W | 378.61 | meters to corner |
| thence | N 58049'52" W | 219.97 | meters to corner |
| thence | N 27³1'09" E | 276.18 | meters to corner |


| thence | N 36²3'24" W | 164.00 | meters to corner | 843; |
| :---: | :---: | :---: | :---: | :---: |
| thence | N 09¹0'15" E | 256.26 | meters to corner | 844; |
| thence | N 31 ${ }^{\circ} 03^{\prime} 48^{\prime \prime}$ W | 224.79 | meters to corner | 845; |
| thence | N 39 ${ }^{\circ} 16^{\prime} 25^{\prime \prime} \mathrm{E}$ | 359.70 | meters to corner | 846; |
| thence | N 17044'39" W | 181.87 | meters to corner | 847; |
| thence | N 5245'37" W | 454.61 | meters to corner | 848; |
| thence | N 400 ${ }^{\circ} 3^{\prime} 26^{\prime \prime}$ W | 719.68 | meters to corner | 849; |
| thence | S 42 ${ }^{\circ} 11^{\prime} 37{ }^{\prime \prime}$ W | 105.18 | meters to corner | 850; |
| thence | N 56\%42'45" W | 1207.32 | meters to corner | 851; |
| thence | N 44* ${ }^{\circ} 2^{\prime} 34{ }^{\prime \prime} \mathrm{E}$ | 4019.43 | meters to corner | 852; |
| thence | S $45^{\circ} 21^{\prime} 53^{\prime \prime} \mathrm{E}$ | 6195.81 | meters to corner | 853; |
| thence | S 53²3'06" E | 2529.32 | meters to corner | 854; |
| thence | S 72 ${ }^{\circ} 50^{\prime} 03^{\prime \prime} \mathrm{E}$ | 8135.81 | meters to corner | 855; |
| thence | S $79^{\circ} 00^{\prime} 12^{\prime \prime} \mathrm{E}$ | 2966.40 | meters to corner | 856; |
| thence | S $27^{\circ} 19^{\prime} 52^{\prime \prime} \mathrm{E}$ | 3441.71 | meters to corner | 857; |
| thence | S 1509'34" W | 11215.60 | meters to corner | 858; |
| thence | S 51 ${ }^{\circ} 30^{\prime} 25^{\prime \prime} \mathrm{W}$ | 11776.25 | meters to corner | 859; |
| thence | S 63³0'58" W | 11460.01 | meters to corner | 860; |
| thence | S $87^{\circ} 28^{\prime} 04^{\prime \prime} \mathrm{W}$ | 10088.40 | meters to corner | 861; |
| thence | N 59 ${ }^{\circ} 23^{\prime} 22^{\prime \prime}$ W | 8383.88 | meters to corner | 862; |
| thence | N $21{ }^{\circ} 35^{\prime} 13^{\prime \prime} \mathrm{W}$ | 18167.25 | meters to corner | 863; |
| thence | N 50¹1'27" E | 1653.12 | meters to corner | 864; |
| thence | N 075 ${ }^{\prime}$ '22" W | 8697.39 | meters to corner | 865; |
| thence | N 13³0'08" E | 4964.04 | meters to corner | 866; |
| thence | S 7154'57" E | 14555.31 | meters to corner | 867; |
| thence | S $84^{\circ} 14^{\prime} 16^{\prime \prime} \mathrm{E}$ | 980.47 | meters to corner | 868; |
| thence | S $84^{\circ} 14^{\prime} 16^{\prime \prime} \mathrm{E}$ | 657.23 | meters to corner | 869; |
| thence | N 52 ${ }^{\circ} 36{ }^{\prime} 53^{\prime \prime} \mathrm{E}$ | 1304.83 | meters to corner | 870; |
| thence | S $70{ }^{\circ} 17^{\prime} 14^{\prime \prime} \mathrm{E}$ | 642.34 | meters to corner | 871; |
| thence | S $84^{\circ} 51^{\prime} 45^{\prime \prime} \mathrm{E}$ | 101.24 | meters to corner | 872; |
| thence | S $68{ }^{\circ} 11^{\prime} 57{ }^{\prime \prime} \mathrm{E}$ | 1046.76 | meters to corner |  |

the point of beginning, containing an area of ONE HUNDRED TWO THOUSAND NINE HUNDRED NINE HUNDRED NINETY-ONE $(102,991)$ hectares more or less. Bearings and distances of lines were derived using the PRS 92 Philippines Zone IV coordinate system, subject to actual ground demarcation.

Sec. 5. Establishment of Buffer Zones. - The DENR Secretary, upon the recommendation of the Protected Area Management Board (PAMB) created under section 6 of this Act, may designate areas surrounding the OIPLS as buffer zones for the purpose of providing 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 require to design their development with due consideration to the protected area management plan.

Sec. 6. Protected Area Management Board (PAMB). - Within ninety days (90) days from the effectivity of this Act, a protected Area Management Board (PAMB) shall be created to oversee the management of OIPLS. The PAMB shall be composed of the following:
a) DENR Regional Executive Director for Region IX, as Chairperson;
b) Senators of the Republic of the Philippines who are duly registered residents of Zamboanga Sibugay or their duly designated representatives, unless the Senators decline membership in the PAMB;
c) District Representatives of the Congressional Districts where the OIPLS is located, or their duly designated representatives, unless the District Representatives decline the membership in the PAMB;
d) Governor of the Province of Zamboanga Sibugay or his/her designated representative;
e) Mayors of the Municipalities of Olutanga, Mabuhay and Talusan in the Province of Zamboanga Sibugay or their duly designated representatives;
f) Chairpersons of all the barangays with territorial jurisdiction over the OIPLS;
g) Regional Directors, or duly designated representatives, of the following government agencies, namely: Department of Agriculture (DA), National Economic Development Authority (NEDA), Department of Science and Technology (DOST), Philippine National police (PNP), Armed Forces of the Philippines (AFP)/Department of National Defense (DND), Department of Public Works and Highways (DPWH), Department of Tourism (DOT), Department of Transportation (DOTr), and Department of Health (DOH);
h) Three (3) representatives from either NGOs or people's organizations (POS) based in the Province of Zamboanga Sibugay, 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 must have a record of accomplishments in the field of protected area management,
i) At least one (1) but not more than three (3) representatives from IPs/ICCs present in the area and recognized by the National Commission on Indigenous Peoples (NCIP);
j) One (1) representative from an academic institution, preferably from a university or college in the Province of Zamboanga Sibugay with a record of accomplishments in or related to protected area management; and
k) One (1) representative from the private sector, a resident of the Province of Zamboanga Sibugay who is distinguished in a profession or field of interest relevant to protected area management.

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" amended by

Republic Act No, 11038 otherwise known as the "Expanded National Integrated Protected Areas System Act of 2018".

Sec. 7. Functions of the PAMB. - The PAMB shall have the following powers and functions:
a) Oversees the management of the protected area;
b) Approve policies, plans and programs, proposals, agreements, and other related documents for the management of OIPLS:
c) Approve the management plan of the protected area 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 protected area;
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 OIPLS;
j) Monitor and assess the performance of the Protected Area superintendent (PASu) 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 OIPLS;
k) Recommend from among a shortlist of qualified candidates the designation or appointment of the PASu; and
I) Assess the effectiveness of the management of the protected area. Provided, that the members of the PAMB representing the LGUs and national agencies shall inform their respective constituents, offices or sectors of PAMB approved 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 members according to an administrative rule and regulations and such penalties as the PAMB may provide. Provided, further, that the DENR, through the Regional Executive 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. 8. The Protected Area Management Office (PAMO). - 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 OIPLS. The PASu shall be appointed by the DENR Secretary and shall be supported by the existing personnel of the DENR to assist the PASu in the management of OIPLS.

The PASu shall be primarily accountable to the PAMB and the DENR for the management and operation of OIPLS. 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 the protected area management plans, programs, projects, and policies with the relevant national and LGU plans and programs;
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 laws, rules, and regulations, commence end institute administrative and legal actions in collaboration with other government agencies, organizations, and assist in the prosecution of offenses committed in violation of this Act;
g) Monitor, evaluate. and report the implementation of management activities of the protected area;
h) Request for and receive any technical assistance, support or advice from any agency or instrumentality of the government as well academic institutions, NGOs, and the private sector as may be necessary for the effective management, protection and administration of OIPLS;
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, including collection of wildlife, and its by-products of derivatives for research purposes, shall continue to be issued by relevant authorities subject to prior clearance from the PAMB, through the PASu, in accordance with the specific acts to be covered;
j) Collect and receive pertinent fees, charges, donations, and other income for the protected area. 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 OIPLS based on the management plan; and
I) Perform such other functions as the PAMB and the DENR may assign.

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

Sec. 9. The Olutanga Island Protected Landscape and Seascape Fund. - There is hereby established a trust fund to be known as the Olutanga Island Protected Landscape and Seascape Fund for purposes of financing the projects of OIPLS and sustaining the operation of the protected area. The PAMO shall open and manage Protected Area-Retained Income Account (PA-RIA) in an authorized government depository bank within the locality. Income generated from the operation and management of wild flora and fauna in OIPLS shall accrue to the fund. The income shall be derived from fees from permitted sale and export of flora and fauna and other resources from OIPLS, proceeds from use of multiple-use areas, contributions from industries and facilities directly benefiting from the OIPLS, and such other fees and income derived from the operation of the OIPLS.

The PAMB shall retain seventy-five percent (75\%) of all revenues raised through the above means which shall be deposited in the PA-RIA. Provided, that disbursements out of such deposits shall be used solely for the protection,
maintenance, administration, and management of the protected area and implementation of duly approved projects of the PAMB. Provided, further that the fund shall not be used to cover personal services expenditures and the fund shall be subject to government accounting rules and procedures.

The fund may be augmented by grants, donations, endowment from various sources, domestic or foreign: Provided, That the fund shall be deposited in full to the PA-RIA and disbursements therefrom shall be made solely for the protection, maintenance, administration, and management of the OIPLS and duly approved projects endorsed by the PAMB, in accordance with the grant/donation/endowment instrument, and with existing accounting, budgeting, and auditing rules and regulations.

The remaining twenty-five percent (25\%) of revenues shall be deposited as a special account in the General Fund in the National Treasury for purposes of financing the projects of the System.

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 LGU facilities.

Sec. 10. 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. 11. Suppletory Application of the NIPAS Law. - The provisions of Republic Act No. 7586, as amended by Republic Act No. 11038, have suppletory application to this Act.

Sec. 12. Implementing Rules and Regulations. - Within ninety days from the effectivity of this Act, the Secretary of the DENR shall, in consultation with the local governments of the Municipality of Olutanga, Mabuhay and Talusan, the PAMB, the provincial government of Zamboanga Sibugay, and concerned national government agencies shall issue the corresponding rules and regulations for the effective implementation of this Act.

Sec. 13. Separability Clause. - If section/s or provision/s of this Act are held unconstitutional or invalid, the remaining sections or provisions shall continue to be in full force and effect.

Sec. 14. Repealing Clause. - All laws, decrees, letters of instruction, executive orders, rules and regulations and other issuances or parts thereof inconsistent with this Act are hereby repealed or modified accordingly.

Section 15. 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

