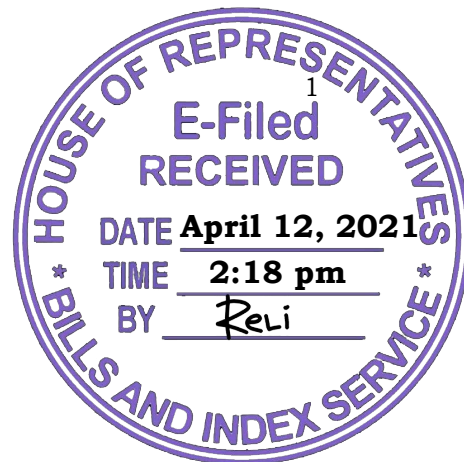


Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City, Metro Manila

Eighteenth Congress
Second Regular Session

H.B. No. **9193**



Introduced by HON. ANGELO MARCOS BARBA

AN ACT DECLARING PAOAY LAKE NATIONAL PARK LOCATED IN THE MUNICIPALITY OF PAOAY, ILOCOS NORTE AS A PROTECTED AREA UNDER THE CATEGORY PROTECTED LANDSCAPE, PROVIDING FOR ITS MANAGEMENT AND FOR OTHER PURPOSES

EXPLANATORY NOTE

Paoay Lake is one of the largest natural lakes in the Province of Ilocos Norte. It is located within the municipality of Paoay. By virtue of Republic Act No. 5631, this freshwater lake and the areas surrounding it was declared a national park. It covers an area of 386 hectares. Paoay Lake is inhabited by phytoplankton, macrophytes and zooplanktons¹, such as copepods, cladocerans and rotifers². Paoay Lake National Park is also a home to common and endangered species, including some migratory birds that need protection and conservation.

In 2011, due to the increasing number of fish cages in the areas surrounding Paoay Lake, the Ilocos Norte Water District collected water samples in five communities—villages of Nangguyudan, Nangguyudan Centro, Sungadan, Suba and Nagbacalan. Test results confirmed the presence of *E. coli*, ranging from 2,840 hpc. (heterotrophic plate count) in one sampling point to 5,780 hpc in another point—way above the normal level of 500 hpc.³ Measures were taken by the provincial government to cleanup Paoay Lake, including the removal of fish cages which caused pollution in the area. While Paoay Lake was declared pollution-free in 2013, the continuous impact of human activities on our natural environment must be recognized.

Hence, this bill.

This bill seeks to declare the Paoay Lake National Park (PLNP) a protected area to regulate the utilization of terrestrial and marine resources and ensure the continuity of endangered, threatened, and rare species therein. It seeks the conservation, protection, and preservation of a national park such as the PLNP in accordance with the provisions of Republic Act No. 7586, otherwise known as the “National Integrated Protected Areas System Act of 1992” as amended by Republic Act No. 11038, or the Expanded National Integrated Protected Area System (ENIPAS) Act of 2018.

The bill also mandates the formulation of a management plan that shall promote the adoption and implementation of innovative management techniques including, when necessary, zoning, buffer zone management, habitat conservation and rehabilitation,

¹ Paoay Lake. Retrieved on January 2, 2021 from https://en.wikipedia.org/wiki/Paoay_Lake

² Aquino, M.R.Y et. al (2008) Zooplankton composition and diversity in Paoay Lake, Luzon Is., Philippines Retrieved on January 4, 2021 from <https://agris.fao.org/agris-search/search.do?recordID=PH2009001083>

³ Arzadon, C. (13 February 2013). Legendary Paoay Lake comes alive. Retrieved on January 4, 2021 from <https://newsinfo.inquirer.net/357651/legendary-paoay-lake-comes-alive>

diversity management, community organizing and development, socio-economic and scientific researches, site-specific policy development, climate change adaptation and mitigation, disaster risk reduction and management, waste sewerage and septic tank management, and gender and development among others.

The creation of a Protected Area Management Board is likewise proposed in order to carry out and properly implement the proposed Act.

In light of the foregoing, the immediate passage of this bill is earnestly sought.



ANGELO MARCOS BARBA

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Section 1. *Short Title.* – This act shall be known as the “*Paoay Lake Protected Landscape (PLPL) Act*”.

Section 2. *Declaration of Policy.* - It is hereby declared the policy of the State to regulate the utilization of terrestrial and marine resources to ensure the continuity of endangered, threatened, and rare species therein, as well as conserve, protect and preserve scenic, educational, cultural, historical and recreational values of sites in accordance with the provisions of Republic Act No. 7586, otherwise known as the “National Integrated Protected Areas System Act of 1992” as amended by Republic Act No. 11038, or the Expanded National Integrated Protected Area System (ENIPAS) Act of 2018.

Section 3. *Scope.* – The Paoay Lake Protected Landscape shall cover all lands and waters comprising Barangays of Nanguyudan, Nagbacalan, Suba, and Sungadan, Municipality of Paoay, Province of Ilocos Norte. Its boundaries are presented in Annex A of this Act.

Beginning at a point marked “1” which is S 59° 21’ 38” E, 1,906.31 meters from ILN-3040, Brgy. Nanguyudan, Paoay, Ilocos Norte (241106.34, 2004684.94) covering an area of 346.91 hectares.

All lands and water comprising the PLPL shall fall under the classification of national park as provided for in the Philippine Constitution.

The Department of Environment and Natural Resources (DENR) shall appropriately mark on the ground the Technical Descriptions provided in this Act with clear visible markers and shall prepare appropriate maps thereof.

Any modification of this Act due to factors such as changing ecological situations, new scientific or discovery of traditional boundaries not previously considered shall be made through an Act of Congress after full consultation with the affected public.

Section 4. *Land Classification.* – All lands and waters of the public domain that fall within the scope thereof shall be classified as Protected Area. However, all public lands already classified as alienable and disposable lands thereof, shall remain as such and may be disposed of pursuant to the provisions of Commonwealth Act No. 141 or the Public Land Act, as amended.

Section 5. *Definition of Terms.* – As used in this Act:

- a. *Biological diversity* refers to the variety and variability among living organisms occurring in a certain ecosystem;
- b. *Biological resources* refer to living natural resources, including microorganisms, flora and fauna, and the environmental resources to which the species contribute;
- c. *Buffer zone* refers to identified area outside the boundaries of and immediately adjacent to or surrounding a designated protected area that need special development control in order to avoid or minimize harm to the protected area;
- d. *Endangered species* refers to species and subspecies of wildlife whose populations are in danger of extinction and whose survival is unlikely if the casual factors continue to operate;
- e. *General Management Plan* refers to the basic long-term framework plan for the management of the protected area and serves as guide in the preparation of the annual operation plan and budget;
- f. *Nongovernment Organization (NGO)* refers to any civic, development or philanthropic organization, which is multi-sectoral in character;

- g. *People's organization (PO)* refers to an organization of members of the local community whose purpose for establishment is to protect or advance the interest of specific sectors such as, but not limited to, farmers, fisherfolk, women and the like;
- h. *Protected landscape and seascape* refer to an area of national significance characterized by the harmonious interaction of man and land while providing opportunities for enjoyment through recreation and tourism within the normal lifestyle and economic activity of the people inhabiting these areas;
- i. *Protected species* refer to existing individuals of any species listed under the Convention on International Trade of Endangered Species (CITES), or plants or animals that are declared to be protected under Philippine laws, rules and regulations issued by the Department of Environment and Natural Resources (DENR) or the Protected Area Management Board (PAMB) or the management plan herein provided; and
- j. *Tenured migrant* refers to any person who has actual and continuous occupation of a protected area for five (5) years prior to its designation in accordance with the NIPAS Act of 1992, and is solely dependent therein for subsistence.

Section 6. Management Plan. – Within one (1) year from the effectivity of this Act, there shall be a general management plan to be formulated that shall serve as the basic-long term framework for the management of the PLPL and guide in the preparation of its annual operations plan and budget.

The management plan shall, at the minimum promote the adoption and implementation of innovative management techniques including, when necessary, zoning, buffer zone management, habitat conservation and rehabilitation, diversity management, community organizing and development, socio-economic and scientific researches, site-specific policy development, climate change adaptation and mitigation, disaster risk reduction and management, waste sewerage and septic tank management, and gender and development among others.

The plan shall be harmonized with Comprehensive Land Use Plan of the local government unit (LGU-Paoay) required under Republic Act No. 7160 or the 'Local Government Code of 1991' and other local plans.

The time frame for the Protected Area Management Plan (PAMP) shall be ten (10) years. The management planning shall be formulated in accordance with the general management planning strategy provided for under the ENIPAS Act of 2018 and its Implementing Rules and Regulations.

Section 7. *Protected Area Management Board.* – There is hereby created a Protected Area Management Board (PAMB) which shall be the sole policy-making body of PLPL. The PLPL-PAMB shall be composed of the following:

- a. DENR Regional Executive Director of Region 1, as the Chairperson and advisor on matters related to the technical aspects of protected area management;
- b. Governor of the Province of Ilocos Norte or his/her duly designated representative;
- c. Representative of the 2nd District of Ilocos Norte or his/her duly designated representative, unless he/she declines membership to the PAMB;
- d. Mayor of the Municipality of Paoay or his/her duly designated representative;
- e. Chairperson of Barangays Nanguyudan, Nagbacalan, Suba and Sungadan, Paoay, Ilocos Norte;
- f. Regional Directors of the following agencies, namely: the Department of Agriculture (DA), the National Economic and Development Authority (NEDA), the Department of Science and Technology (DOST), the Philippine National Police (PNP), and the Department of National Defense (DND) or their duly designated representatives;
- g. One (1) representative from an academic institution with proven track record in or related to protected area management;
- h. Three (3) representatives from either the NGO or PO duly accredited both by the DENR and the provincial government; and
- i. One (1) representative from the private sector who is distinguished in the profession or field of protected area management.

Ex officio members or members of the PAMB by virtue of their elective or appointive government positions as specified in items (a), (b), (c), (d), (e), and (f) shall serve for the duration of their respective terms of office in their respective elective or appointive government positions.

On the other hand, the members of the PAMB specified in items (g), (h), and (i) shall be appointed by the DENR Secretary after the conduct of a transparent and fair selection process. They shall serve a term of three (3) years and may be reappointed for another term.

The PAMB members shall serve without compensation, *except* for the actual and necessary travelling and subsistence expenses incurred in the performance of their duties, either in their attendance in meetings of the PAMB or in connection with other official business authorized through a resolution of the PAMB, subject to existing rules and regulations. Each member shall have the full capacity and accountability for decisions binding to the member's sector.

Section 8. Powers and Functions of the PAMB. – The PLPL-PAMB shall be vested with the following powers and functions in addition to those provided under Republic Act No. 11038 or the ENIPAS Act of 2018 and its Implementing Rules and Regulations:

- a. Issue rules and regulations to prohibit acts that may be prejudicial to the PLPL and to the declaration of policy set forth under the ENIPAS;
- b. Adopt rules and procedures in the conduct of business, including the creation of committees to which its powers may be delegated;
- c. Recommend fees and other charges to the Secretary for the use of the protected area resources and its facilities;
- d. Develop a management strategy for the buffer zone together with the concerned communities, LGUs, other government agencies, NGOs, POs and other concerned stakeholders;
- e. Review and update the Protected Area Management Plan at least every five (5) years;

- f. Issue clearances for the disposition of confiscated items, except those items that are held under *custodia legis*, those that are subject for donation, those that must be deposited with appropriate government agency, and those that will be utilized for the DENR's own needs in accordance with the existing related rules and regulations;
- g. Set the allowable limit for the volume of trees that may be extracted by PACBRMA holders with approved Community Resource Management Plan (CRMP); and
- h. Develop Master-Use Plan to conserve existing resources and provide mechanism for the protection of terrestrial and aquatic resources.
- i. Approve policies, guidelines, plans and programs, proposals, agreements and other related documents, including Manual of Operations for the management of the protected area;
- j. Facilitate the ground delineation and demarcation of the boundaries of the protected area and buffer zone;
- k. Ensure that the Management Plan of the protected area is incorporated into the Comprehensive Land Use Plan, Regional and Local Development and Investment Plans, and other Eco-tourism Plans of the Local Government of Paoay and the Provincial Government of Ilocos Norte;
- l. Ensure the implementation of programs as prescribed in the Management Plan of the protected area;
- m. Monitor and evaluate the progress in the implementation of the Management Plan;
- n. Monitor and assess the performance of the Protected Area Superintendent and other protected area personnel and compliance of partners to the terms and conditions of any undertaking, contract or agreement;
- o. Intervene to resolve conflicts or disputes among tenured migrant communities.

The DENR, through the RED, shall ensure that the PLPL Management Board shall at all times act within the scope of its powers and functions. In case of conflict between administrative orders of national application issued by the DENR pursuant to ENIPAS Act and the resolutions issued by the PLPL Management Board, the latter shall promptly

notify the DENR Secretary who shall decide whether to apply the rule or withdraw its application to the PLPL.

Section 9. *The Protected Area Management Office.* – There is hereby established a Protected Area Management Office (PAMO) to be headed by a Protected Area Superintendent (PASu) with a permanent plantilla position who shall supervise the day to day management, protection and administration of the protected area. A sufficient number of support staff with plantilla position shall be appointed by the DENR to assist the PASu in the management of the protected area.

Section 10. *Organizational Structure.* – The PAMO shall be organized into the Office of the Protected Area Superintendent, Resources Management and Protection Unit, Socio-Economic Management Unit, Policy, Planning and Knowledge Management Unit. The PAMO’s personnel and their respective positions and rank shall have appropriate staffing complement, as follows.

Job Title	Salary Grade	Number
Protected Area Superintendent	24	1
Senior Ecosystems Management Specialist	18	3
Ecosystems Management Specialist-II	15	6
Information Officer-II	15	1
Information Officer-I	11	1
Information Analyst	12	1
Ecosystems Management Specialist-I	11	9
Forest Technician-II (PA Ranger)	8	4
Administrative Assistant	4	4

Section 10. *Paoay Lake Protected Landscape Fund.* – There is hereby established a trust fund to be known as the PLPL Fund for purposes of financing programs, projects, and activities of the PLPL. All income generated from the operation and management of the protected area shall accrue to PLPL Fund. The income shall be derived from fees and charges from the use of resources and facilities of PLPL; contributions from industries and facilities directly benefiting from the protected area; and such other fees and income derived from the operation of the protected area.

The PLPL Fund may be augmented by grants, donations, endowment from various sources, domestic or foreign, and such endowments shall be exempted from income or gift taxes, and all other taxes, charges or fees imposed by the government or any political subdivision or instrumentality thereof: *Provided*, That the PLPL-PAMB shall retain seventy-five percent (75%) of all revenues raised, to be deposited in any government bank within the locality; and that disbursements shall be made solely for the protection, maintenance, administration and management of the area and the implementation of

duly approved projects endorsed by the PAMB in accordance with existing accounting, budgeting and auditing rules and regulations: *Provided*, further, That the PLPL Fund shall not be used to cover personal services expenditures.

The remaining twenty-five percent (25%) of the revenues shall be deposited as a special account in the National Treasury as share to the Integrated Protected Areas Fund (IPAF) created pursuant to Republic Act No. 11038.

Section 11. *Prohibited Acts and Penalties.* – The following acts, in addition to the prohibited acts enumerated in the ENIPAS Act and its Implementing Rules and Regulations, shall be prohibited and are hereby penalized as follows:

A. The penalties and qualifications prescribed in Articles 309 and 310 of the Revised Penal Code, depending on the value of the resources involved in connection with the prohibited act or a fine of at least triple the value of the said resources, or both, shall be imposed upon any person who:

- (1) Takes, destroys, collects, disturbs or possesses any wild terrestrial or aquatic flora or fauna, sand, rocks or by-products derived therefrom within particularly identified regulated or prohibited areas or zones in the PLPL including private lands without the necessary permit, authorization or exemption: *Provided*, that hunting of animals shall be absolutely prohibited except for scientific research;
- (2) Cuts, gathers, removes or collects timber or any forest products within particularly identified regulated or prohibited areas or zones in the PLPL including private lands without the necessary permit, authorization or exemption;
- (3) Possesses or transports, within and outside of the PLPL, any timber, forest products, wild terrestrial or aquatic plants, animals, or by-products derived therefrom which are ascertained to have been taken from the PLPL;
- (4) Undertakes mineral exploration or extraction within the PLPL;
- (5) Hunts, collects, removes or destroys any endangered or protected species except when collection or removal is for scientific research and exempted from the prohibition by the PLPL Management Board;

- (6) Conducts bioprospecting within the PLPL without prior PLPL Management Board approval in accordance with its existing guidelines;
 - (7) Establishes or introduces any exotic species within the MMPL, which are detrimental to endemic species and the ecosystem therein.
- B.** A fine of not less than five thousand pesos (P5,000.00) but not more than five hundred thousand pesos (P500,000.00) or imprisonment from one (1) year but not more than six (6) years, or both, shall be imposed upon any person who:
- (1) Violates rules and regulations provided in the management plan or issued by the PLPL Management Board, or the agreements reached by the PLPL Management Board in the exercise of its adjudicative functions;
 - (2) Erects any structure on land or on water for any purpose outside the management plan duly approved by the PLPL Management Board: *Provided*, That large-scale private infrastructure and other projects such as medium to high density residential subdivisions, medium to large commercial and industrial establishments, golf courses, heavily mechanized commercial and nontraditional farming, and other activities that cause increased in-migration and resource degradation/depletion shall be absolutely prohibited;
 - (3) Throws, dumps or causes to be dumped into the PLPL any biodegradable and non-biodegradable material or waste whether liquid, solid or gas;
 - (4) Uses, dumps, places or causes to be placed into the PLPL toxic chemicals and non-biodegradable products, including pesticides and other hazardous substances, soaps and shampoos, and washing detergents, unless the same is expressly allowed in the management plan;
 - (5) Prospects, hunts or otherwise locates hidden treasures within the PLPL;
 - (6) Informally occupies or dwells in any land within the PLPL without clearance from the PLPL Management Board;

- (7) Possesses or uses blasting caps or explosives anywhere within the PLPL;
- (8) Destroys, excavates, vandalizes or, in any manner, damages any natural formation on land, facilities, markers, signages, and other objects of natural or scenic value;
- (9) Alters, removes or destroys boundary marks or signs;
- (10) Purchases or sells, mortgages or leases land or other portions of the PLPL which are covered by any tenure instrument;
- (11) Violates any of the conditions imposed on the existing facilities located within the PLPL for its continued operation: *Provided*, That the owner of such facility shall be liable to pay the fine of five thousand pesos (P5,000.00) for every violation: *Provided, further*, That upon reaching a total of five hundred thousand pesos (P500,000.00), the PASu, by deputizing any government entity, shall cause the cessation and demolition of the facility at the owner's cost. Valuation of the damage resulting from the violation of the foregoing prohibitions shall consider biodiversity and conservation considerations as well as aesthetic and scenic value. Valuation assessed by the DENR or the concerned government agency shall be presumed correct unless otherwise proven by preponderant evidence.

Any person who shall induce another or conspire to commit any of the illegal acts prohibited in this Act or suffer their workers to commit any of the same shall be liable in the same manner as the one actually performing the act. All conveyances, vessels, equipment, paraphernalia, implements, gears, tools and similar devices used in the aforementioned illegal acts shall be subject to immediate and administrative confiscation, independent of the judicial proceedings conducted by the Office of the PASu upon apprehension, subject however to due process and substantial evidence requirements. However, when legal action is filed in the regular courts, the said conveyances, vessels, equipment, paraphernalia, implements, gears, tools and similar devices, independent of administrative proceedings, shall not be released until after judgment has been rendered. Proceeds of the sale of all objects administratively or judicially confiscated pursuant hereto shall accrue to the PLPL Fund. Procedure for the sale thereof shall be promulgated by the PLPL Management Board.

However, confiscated or rescued protected animal species shall in no case be sold or in any manner disposed of, but shall be immediately turned over to the PASu and released to its natural habitat, subject to existing regulations. The penalties specified in this section shall be imposed in addition to the penalties contained in Republic Act No. 9147 (Wildlife Resources Conservation and Protection Act), and other related laws. Conviction for any offense committed in violation of the provisions of this Act by a public officer or officer of the law shall carry the accessory penalty of perpetual disqualification from public office.

Section 12. *Tenured Migrants and Other PLPL Stakeholders.* – Tenured migrants shall be eligible to become stewards of portions of lands within allowable zones. The PLPL Management Board shall identify, verify and review all tenure instruments, land claims, and issuances of permits for resource use within the PLPL and recommend the issuance of the appropriate tenure instrument consistent with the zoning provided in the management plan. Should areas occupied by tenured migrants be designated as zones in which no occupation or other activities are allowed pursuant to the requirements of sustainable development, provisions for the transfer of said tenured migrants to multiple-use zones or buffer zones shall be made and carried out through just and humane means. In the event of termination of a tenure instrument for cause or by voluntary surrender of rights, the PASu shall take immediate steps to rehabilitate and return the area to its natural state prior to the cultivation or other act by the tenured migrant. Within one (1) year from the passage of this Act, the PASu shall submit the complete list of tenured migrants to the PLPL Management Board which shall approve the final list.

Section 13. *Inventory of Facilities Within the PLPL.* – The PLPL Management Board shall conduct an inventory of existing facilities within the protected area in accordance with the objectives of this Act.

Section 14. *Renewable and Non-renewable Resources.* – Any exploration and exploitation or utilization of non-renewable resources including mining within the PLPL shall not be allowed. Renewable energy projects within the PLPL may be allowed by the PAMB with the concurrence of the DENR Secretary: *Provided*, That these renewable energy projects are outside the strict protection zone, adopt reduced impact technologies, and undergo the Environmental Impact Assessment (EIA) system as provided by law.

Section 15. *Special Prosecutor and Retained Counsel.* – Within thirty (30) days from the effectivity of this Act, the Department of Justice (DOJ) shall appoint a special prosecutor to whom all cases of violation of laws, rules and regulations in the PLPL shall

be assigned. Such special prosecutor shall coordinate with the PLPL Management Board and the PASu in the performance of one's duties and assist in the training of wardens and rangers in arrest and criminal procedures. The PLPL Management Board may retain the services of counsel to prosecute and/or assist in the prosecution of cases under the direct control and supervision of the regular or special prosecutor, represent the PLPL Management Board, the PASu and the staff, or any person assisting in the protection, conservation and sustainable development of the PLPL, in any legal action related to decisions and acts lawfully undertaken pursuant to their powers, functions and responsibilities.

Section 16. *Reporting Responsibility.* – The PASu, through the PLPL Management Board, shall submit an annual accomplishment report to the Secretary of the DENR pertaining to the activities undertaken in the PLPL.

Section 17. *Transitory Provision.* – In order to ensure the recovery and restoration of biological diversity and to develop sustainable livelihood opportunities for tenured migrants, the DENR shall henceforth cease to issue concessions, licenses, permits, clearances, compliance documents or any other instrument that allows exploitation and utilization of resources within the PLPL until the management plan shall have been put into effect.

Section 18. *Appropriations.* – The Secretary of the DENR shall immediately include in the DENR's program the implementation of this Act, the funding of which shall be included in the annual General Appropriations Act.

Section 19. *Separability Clause.* – If any part or section of this Act is declared by the courts as unconstitutional, such declaration shall not affect the other parts or sections hereof.

Section 20. *Repealing Clause.* – For the purpose of this Act, the provisions of Republic Act No. 11038 or the ENIPAS Act are hereby modified in accordance with the provisions herein. All other laws, rules and regulations inconsistent with this Act are hereby repealed or modified accordingly.

Section 21. *Effectivity.* – This Act shall take effect fifteen (15) days after its publication in the Official Gazette or in a newspaper of general circulation readily available in and around the area specified herein.

It shall likewise be posted in a conspicuous place at the municipal hall of Paoay, Ilocos Norte and in the barangay halls concerned where the protected area is located and in other places frequented by the public.

Approved

Annex A. Technical Description of Boundaries of Paoay Lake Protected
Landscape

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
1	2	S 39°05'07" E	91.8821	1	239621.13	2005585.90
2	3	S 40°45'58" E	30.1695	2	239679.06	2005514.58
3	4	S 56°11'40" E	37.1870	3	239698.76	2005491.73
4	5	S 75°22'45" E	0.2377	4	239729.66	2005471.04
5	6	N 84°50'52" E	25.7238	5	239729.89	2005470.98
6	7	N 87°07'25" E	31.0890	6	239755.51	2005473.29
7	8	N 86°19'52" E	24.3798	7	239786.56	2005474.85
8	9	N 85°44'17" E	48.4437	8	239810.89	2005476.41
9	10	N 41°07'04" E	129.9241	9	239859.20	2005480.01
10	11	N 21°59'44" E	49.2334	10	239944.64	2005577.89
11	12	N 16°00'08" E	30.3249	11	239963.08	2005623.54
12	13	N 24°27'39" E	118.8907	12	239971.43	2005652.69
13	14	N 44°45'11" E	88.7139	13	240020.66	2005760.91
14	15	N 83°44'23" E	40.9942	14	240083.12	2005823.91
15	16	N 06°54'52" W	79.6589	15	240123.87	2005828.38
16	17	N 20°07'24" E	12.5579	16	240114.28	2005907.46
17	18	N 20°07'24" E	42.8120	17	240118.60	2005919.25
18	19	N 54°52'04" E	15.1009	18	240133.33	2005959.45
19	20	N 19°52'03" E	19.0965	19	240145.68	2005968.14
20	21	N 13°58'51" E	15.1075	20	240152.17	2005986.10
21	22	N 20°40'53" W	36.5752	21	240155.82	2006000.76
22	23	N 04°37'35" E	55.0440	22	240142.91	2006034.98
23	24	N 41°34'48" W	26.8050	23	240147.35	2006089.84
24	25	N 05°21'03" W	45.8970	24	240129.56	2006109.90
25	26	N 04°25'15" E	61.9651	25	240125.28	2006155.59
26	27	N 23°11'54" E	24.1800	26	240130.05	2006217.37
27	28	N 76°15'03" E	44.8031	27	240139.58	2006239.60
28	29	S 32°25'42" E	30.4078	28	240183.10	2006250.25
29	30	S 31°56'36" E	36.2136	29	240199.40	2006224.58
30	31	S 34°36'13" W	23.8245	30	240218.56	2006193.85
31	32	S 18°01'59" E	49.1332	31	240205.03	2006174.24
32	33	S 77°17'30" E	49.1846	32	240220.24	2006127.52
33	34	S 76°40'20" E	44.7243	33	240268.22	2006116.70
34	35	N 56°33'18" E	36.7707	34	240311.74	2006106.39
35	36	S 42°47'02" E	68.6689	35	240342.42	2006126.66
36	37	N 50°21'19" E	38.2586	36	240389.07	2006076.26
37	38	S 47°56'47" E	56.4023	37	240418.53	2006100.67
38	39	N 27°15'59" E	42.2975	38	240460.41	2006062.89
39	40	S 72°05'50" E	27.2463	39	240479.78	2006100.49
40	41	N 48°11'59" E	8.5922	40	240505.71	2006092.11
41	42	S 36°27'36" E	23.4658	41	240512.12	2006097.84
42	43	S 51°41'47" E	29.7780	42	240526.06	2006078.97
43	44	S 59°28'13" E	46.0012	43	240549.43	2006060.51
44	45	N 74°06'45" E	22.8875	44	240589.05	2006037.14
45	46	N 23°53'11" E	23.3608	45	240611.07	2006043.41
46	47	S 68°56'51" E	76.2864	46	240620.53	2006064.77
47	48	S 44°27'25" W	19.4038	47	240691.72	2006037.36
48	49	S 26°43'57" W	7.6473	48	240678.13	2006023.51
49	50	S 21°23'05" W	30.6608	49	240674.69	2006016.68

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
50	51	S 28°19'11" W	18.2548	50	240663.51	2005988.13
51	52	S 28°42'27" W	60.2094	51	240654.85	2005972.06
52	53	S 28°42'27" W	35.1176	52	240625.93	2005919.25
53	54	S 71°16'35" W	357.5390	53	240609.06	2005888.45
54	55	S 23°49'20" W	223.3694	54	240270.44	2005773.68
55	56	S 47°38'01" W	43.7027	55	240180.22	2005569.34
56	57	S 25°16'18" W	107.6085	56	240147.93	2005539.89
57	58	S 07°48'08" E	77.6383	57	240101.99	2005442.59
58	59	S 08°15'11" E	44.0964	58	240112.53	2005365.67
59	60	S 23°03'11" E	229.0175	59	240118.86	2005322.03
60	61	N 79°29'19" E	59.0913	60	240208.54	2005111.30
61	62	S 88°17'01" E	5.3424	61	240266.64	2005122.08
62	63	S 63°54'28" E	141.4442	62	240271.98	2005121.92
63	64	N 00°21'13" E	104.0375	63	240399.01	2005059.71
64	65	S 68°06'30" E	29.9576	64	240399.66	2005163.74
65	66	N 05°44'45" E	139.3951	65	240427.45	2005152.57
66	67	N 81°59'59" E	109.8873	66	240441.41	2005291.27
67	68	S 13°28'11" W	121.3835	67	240550.23	2005306.56
68	69	S 53°36'43" E	20.6826	68	240521.95	2005188.52
69	70	S 78°05'31" E	18.2220	69	240538.60	2005176.25
70	71	N 85°56'33" E	7.2080	70	240556.43	2005172.49
71	72	N 42°47'56" E	117.2888	71	240563.62	2005173.00
72	73	N 47°38'29" E	71.8048	72	240643.31	2005259.06
73	74	N 45°32'36" E	115.5245	73	240696.37	2005307.44
74	75	S 55°20'53" E	58.5355	74	240778.83	2005388.35
75	76	S 38°35'06" W	130.5300	75	240826.98	2005355.06
76	77	S 52°44'26" W	53.4548	76	240745.57	2005253.03
77	78	S 39°06'15" W	25.8275	77	240703.03	2005220.67
78	79	S 20°47'00" E	31.8542	78	240686.74	2005200.63
79	80	S 22°17'30" E	35.8242	79	240698.04	2005170.84
80	81	S 61°12'05" E	43.1272	80	240711.63	2005137.70
81	82	N 49°05'04" E	69.5297	81	240749.42	2005116.92
82	83	S 65°57'21" E	213.5262	82	240801.97	2005162.46
83	84	S 46°23'50" E	57.9997	83	240996.97	2005075.46
84	85	S 28°06'47" W	82.7642	84	241038.97	2005035.46
85	86	S 04°36'38" W	62.2009	85	240999.97	2004962.46
86	87	S 88°14'48" W	4.6841	86	240994.97	2004900.46
87	88	N 00°40'30" W	49.2876	87	240990.28	2004900.32
88	89	N 67°18'54" W	94.7659	88	240989.70	2004949.60
89	90	S 25°54'18" W	32.3032	89	240902.27	2004986.15
90	91	S 23°46'46" W	74.5412	90	240888.16	2004957.09
91	92	N 66°34'16" W	20.7616	91	240858.10	2004888.88
92	93	S 30°12'29" W	126.6268	92	240839.05	2004897.14
93	94	S 84°01'48" E	32.5615	93	240775.34	2004787.70
94	95	S 83°14'01" E	79.2817	94	240807.72	2004784.32
95	96	S 77°29'38" E	30.0631	95	240886.45	2004774.98
96	97	S 00°00'00" E	18.7799	96	240915.80	2004768.47
97	98	S 06°38'21" E	20.4837	97	240915.80	2004749.69
98	99	S 64°01'43" E	26.9535	98	240918.17	2004729.34
99	100	N 47°05'51" E	61.0001	99	240942.40	2004717.54
100	101	S 36°56'04" E	65.1123	100	240987.09	2004759.06
101	102	S 02°11'54" W	58.1324	101	241026.21	2004707.02
102	103	S 36°19'28" E	29.1327	102	241023.98	2004648.93

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
103	104	S 14°16'21" W	14.1515	103	241041.24	2004625.46
104	105	S 75°06'54" W	66.3355	104	241037.75	2004611.74
105	106	S 02°01'19" W	8.1686	105	240973.64	2004594.70
106	107	S 21°27'41" E	18.1482	106	240973.35	2004586.54
107	108	S 57°25'22" W	74.8094	107	240979.99	2004569.65
108	109	N 77°48'59" W	24.3074	108	240916.95	2004529.37
109	110	N 75°47'45" W	61.2523	109	240893.19	2004534.50
110	111	N 38°09'12" W	91.2983	110	240833.81	2004549.53
111	112	N 57°09'26" W	36.3359	111	240777.41	2004621.32
112	113	N 72°47'51" W	18.9807	112	240746.88	2004641.03
113	114	S 67°09'53" W	61.4652	113	240728.75	2004646.64
114	115	N 75°00'40" W	53.2412	114	240672.10	2004622.79
115	116	N 31°07'17" W	16.8325	115	240620.67	2004636.56
116	117	N 08°56'12" E	44.2343	116	240611.97	2004650.97
117	118	N 08°56'43" E	59.2832	117	240618.85	2004694.66
118	119	N 82°58'18" W	8.8263	118	240628.06	2004753.23
119	120	S 10°38'53" W	211.7720	119	240619.30	2004754.31
120	121	S 12°52'03" E	16.1758	120	240580.17	2004546.18
121	122	S 11°52'39" E	64.7424	121	240583.78	2004530.41
122	123	S 17°51'39" E	12.8531	122	240597.10	2004467.06
123	124	S 31°43'53" E	39.9282	123	240601.04	2004454.82
124	125	S 25°17'20" E	19.7025	124	240622.04	2004420.86
125	126	S 15°03'41" W	52.7824	125	240630.46	2004403.05
126	127	S 24°32'51" W	38.7209	126	240616.74	2004352.08
127	128	S 21°51'44" W	29.5576	127	240600.66	2004316.86
128	129	S 20°55'16" E	14.0381	128	240589.65	2004289.43
129	130	S 66°57'13" E	31.6238	129	240594.66	2004276.31
130	131	S 21°48'46" E	24.8163	130	240623.76	2004263.93
131	132	S 16°24'31" E	16.8388	131	240632.98	2004240.89
132	133	S 00°47'44" E	11.5099	132	240637.74	2004224.74
133	134	S 00°47'44" E	0.6832	133	240637.90	2004213.23
134	135	S 20°30'55" W	28.0239	134	240637.91	2004212.55
135	136	S 74°48'32" W	26.4950	135	240628.09	2004186.30
136	137	S 73°44'36" W	107.0657	136	240602.52	2004179.36
137	138	S 61°09'13" W	36.1508	137	240499.73	2004149.39
138	139	S 48°48'50" W	9.1233	138	240468.07	2004131.95
139	140	S 48°48'50" W	10.6770	139	240461.20	2004125.94
140	141	S 09°13'48" W	24.0273	140	240453.17	2004118.91
141	142	S 21°31'05" E	20.8827	141	240449.31	2004095.19
142	143	S 33°09'43" E	17.7532	142	240456.97	2004075.76
143	144	S 33°09'43" E	13.8948	143	240466.69	2004060.90
144	145	S 09°05'00" E	11.5298	144	240474.29	2004049.27
145	146	S 09°05'00" E	1.1130	145	240476.11	2004037.89
146	147	S 09°05'00" E	20.1684	146	240476.28	2004036.79
147	148	S 26°38'40" W	32.1769	147	240479.47	2004016.87
148	149	S 67°52'18" W	24.7423	148	240465.04	2003988.11
149	150	S 39°58'56" W	34.9817	149	240442.12	2003978.79
150	151	S 23°33'47" W	83.8701	150	240419.64	2003951.99
151	152	S 46°14'28" W	116.0714	151	240386.11	2003875.11
152	153	N 63°34'15" W	22.6245	152	240302.28	2003794.83
153	154	N 53°01'17" W	20.0159	153	240282.02	2003804.90
154	155	N 37°20'49" W	69.3980	154	240266.03	2003816.94
155	156	N 14°33'00" W	13.2550	155	240223.93	2003872.11

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
156	157	N 53°00'03" W	31.9539	156	240220.60	2003884.94
157	158	N 39°08'33" W	20.5781	157	240195.08	2003904.17
158	159	N 14°36'47" W	9.3938	158	240182.09	2003920.13
159	160	N 14°38'48" W	14.8769	159	240179.72	2003929.22
160	161	N 12°23'49" E	75.0291	160	240175.96	2003943.61
161	162	N 12°24'25" E	26.6744	161	240192.06	2004016.89
162	163	S 72°17'59" E	34.6719	162	240197.79	2004042.95
163	164	N 31°42'51" E	13.3539	163	240230.83	2004032.40
164	165	N 31°41'12" E	11.4068	164	240237.85	2004043.76
165	166	N 56°51'38" E	3.6284	165	240243.84	2004053.47
166	167	N 26°52'17" E	7.5222	166	240246.88	2004055.45
167	168	N 27°53'16" E	22.4694	167	240250.28	2004062.16
168	169	N 20°43'47" E	22.9670	168	240260.79	2004082.02
169	170	N 08°22'31" E	0.0028	169	240268.91	2004103.50
170	171	N 03°11'09" W	16.5525	170	240268.91	2004103.51
171	172	N 13°02'00" E	27.5804	171	240268.00	2004120.03
172	173	N 25°27'12" E	49.5603	172	240274.21	2004146.90
173	174	N 30°18'28" E	16.7838	173	240295.51	2004191.65
174	175	N 23°29'03" E	23.9649	174	240303.98	2004206.14
175	176	N 23°28'10" E	11.0981	175	240313.53	2004228.12
176	177	N 21°24'56" E	10.7631	176	240317.95	2004238.30
177	178	N 25°00'14" E	10.8355	177	240321.88	2004248.32
178	179	N 37°33'20" E	10.8607	178	240326.46	2004258.14
179	180	N 17°45'51" E	54.0467	179	240333.08	2004266.75
180	181	N 22°10'20" W	20.6104	180	240349.57	2004318.22
181	182	N 58°11'53" W	13.1313	181	240341.80	2004337.31
182	183	N 78°03'02" W	70.9980	182	240330.64	2004344.23
183	184	N 22°35'17" W	23.6652	183	240261.18	2004358.93
184	185	N 76°22'11" W	106.6444	184	240252.09	2004380.78
185	186	S 84°36'31" W	44.1836	185	240148.45	2004405.91
186	187	S 70°58'43" W	25.3437	186	240104.46	2004401.76
187	188	S 70°59'26" W	55.2000	187	240080.50	2004393.50
188	189	S 70°58'34" W	56.3260	188	240028.31	2004375.52
189	190	S 47°53'17" W	26.0342	189	239975.06	2004357.16
190	191	S 71°28'11" W	22.6614	190	239955.75	2004339.70
191	192	N 82°18'55" W	14.7322	191	239934.26	2004332.50
192	193	N 75°01'24" W	10.6414	192	239919.66	2004334.47
193	194	N 74°42'31" W	5.5360	193	239909.38	2004337.22
194	195	N 76°24'27" W	7.8292	194	239904.04	2004338.68
195	196	N 65°50'21" W	19.0814	195	239896.43	2004340.52
196	197	N 50°12'19" W	19.5903	196	239879.02	2004348.33
197	198	N 48°29'01" W	19.5091	197	239863.97	2004360.87
198	199	N 50°46'34" W	24.3211	198	239849.36	2004373.80
199	200	N 15°14'56" W	28.1308	199	239830.52	2004389.18
200	201	N 23°35'59" W	51.1803	200	239823.12	2004416.32
201	202	N 18°49'12" W	36.7020	201	239802.63	2004463.22
202	203	N 07°11'07" W	30.6203	202	239790.79	2004497.96
203	204	N 10°12'09" W	15.0174	203	239786.96	2004528.34
204	205	N 19°54'43" W	46.1274	204	239784.30	2004543.12
205	206	N 11°19'44" W	88.4733	205	239768.59	2004586.49
206	207	N 47°48'59" W	160.6790	206	239751.21	2004673.24
207	208	N 38°26'04" E	24.2874	207	239632.15	2004781.13
208	209	N 52°49'24" W	121.6947	208	239647.24	2004800.16

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
209	210	S 81°48'58" W	58.9398	209	239550.28	2004873.69
210	211	S 68°37'45" W	13.5839	210	239491.94	2004865.30
211	212	S 54°28'13" W	32.9188	211	239479.29	2004860.35
212	213	S 32°45'41" W	19.9316	212	239452.50	2004841.22
213	214	S 32°44'10" W	11.3833	213	239441.71	2004824.46
214	215	S 09°37'58" W	16.0157	214	239435.56	2004814.89
215	216	S 01°12'08" W	34.7875	215	239432.88	2004799.10
216	217	S 07°18'51" W	32.3466	216	239432.15	2004764.32
217	218	S 27°19'29" W	55.3114	217	239428.03	2004732.24
218	219	S 49°48'52" W	17.7756	218	239402.64	2004683.10
219	220	S 38°09'34" W	31.4611	219	239389.06	2004671.63
220	221	S 63°17'45" W	30.0907	220	239369.62	2004646.89
221	222	S 35°39'56" W	89.3732	221	239342.74	2004633.37
222	223	S 38°32'34" W	57.4702	222	239290.63	2004560.76
223	224	S 33°06'59" W	32.4153	223	239254.82	2004515.81
224	225	S 40°04'01" W	119.6878	224	239237.11	2004488.66
225	226	S 50°13'17" E	8.1585	225	239160.07	2004397.06
226	227	S 75°59'18" E	39.6907	226	239166.34	2004391.84
227	228	S 55°09'57" E	27.3631	227	239204.85	2004382.23
228	229	N 89°33'47" E	9.1865	228	239227.31	2004366.60
229	230	S 00°00'00" E	6.9149	229	239236.50	2004366.67
230	231	S 13°23'33" E	7.3108	230	239236.50	2004359.76
231	232	S 16°05'27" E	9.1643	231	239238.19	2004352.64
232	233	S 21°33'48" E	26.4920	232	239240.73	2004343.84
233	234	S 15°53'43" E	13.2929	233	239250.47	2004319.20
234	235	S 20°14'29" E	28.8766	234	239254.11	2004306.42
235	236	S 09°59'05" W	12.2075	235	239264.10	2004279.32
236	237	S 14°02'10" W	21.6435	236	239261.98	2004267.30
237	238	S 00°00'00" E	16.0866	237	239256.73	2004246.30
238	239	S 08°48'46" W	11.0524	238	239256.73	2004230.22
239	240	S 00°00'00" E	6.0960	239	239255.04	2004219.29
240	241	S 08°34'39" W	15.3267	240	239255.04	2004213.20
241	242	S 06°34'54" W	13.2956	241	239252.75	2004198.04
242	243	S 06°34'54" W	11.0796	242	239251.23	2004184.84
243	244	S 14°32'04" E	14.1694	243	239249.96	2004173.83
244	245	S 17°19'34" E	20.7536	244	239253.52	2004160.11
245	246	S 06°47'04" W	26.5169	245	239259.70	2004140.30
246	247	S 33°49'05" W	20.9932	246	239256.56	2004113.97
247	248	S 31°51'34" W	35.2883	247	239244.88	2004096.53
248	249	S 34°15'55" W	25.7143	248	239226.25	2004066.56
249	250	S 35°58'01" W	11.8209	249	239211.78	2004045.31
250	251	S 45°14'06" W	58.3121	250	239204.83	2004035.74
251	252	S 26°52'11" W	7.1185	251	239163.43	2003994.67
252	253	S 28°13'38" W	31.3267	252	239160.21	2003988.32
253	254	S 18°16'37" W	19.4379	253	239145.40	2003960.72
254	255	S 09°47'37" W	14.4343	254	239139.30	2003942.27
255	256	S 09°36'00" W	28.9378	255	239136.85	2003928.04
256	257	S 05°33'54" W	33.1762	256	239132.02	2003899.51
257	258	S 35°35'52" W	80.4054	257	239128.80	2003866.49
258	259	S 29°58'53" W	10.1656	258	239082.00	2003801.11
259	260	S 22°10'44" W	52.4816	259	239076.92	2003792.31
260	261	S 30°51'14" W	30.3762	260	239057.11	2003743.71
261	262	S 24°46'30" E	19.3958	261	239041.53	2003717.63

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
262	263	S 88°40'04" E	7.2833	262	239049.66	2003700.02
263	264	S 00°10'37" W	46.8848	263	239056.94	2003699.85
264	265	S 26°15'11" E	18.8994	264	239056.79	2003652.96
265	266	S 80°05'32" E	95.4858	265	239065.15	2003636.02
266	267	S 25°33'35" W	8.6343	266	239159.21	2003619.59
267	268	S 22°33'25" W	11.9184	267	239155.49	2003611.80
268	269	S 14°44'36" W	16.6343	268	239150.92	2003600.79
269	270	S 13°26'17" W	19.6732	269	239146.68	2003584.70
270	271	S 45°31'32" E	13.0518	270	239142.11	2003565.57
271	272	S 15°52'15" W	17.9564	271	239151.43	2003556.42
272	273	S 27°12'35" W	40.3655	272	239146.51	2003539.15
273	274	N 86°38'00" W	14.4182	273	239128.06	2003503.25
274	275	N 85°52'20" W	16.4680	274	239113.66	2003504.10
275	276	N 88°45'16" W	31.1646	275	239097.24	2003505.29
276	277	S 85°05'00" W	15.8061	276	239066.08	2003505.96
277	278	N 89°22'42" W	93.6465	277	239050.33	2003504.61
278	279	N 50°42'38" W	28.8800	278	238956.69	2003505.62
279	280	N 37°43'35" W	54.8058	279	238934.34	2003523.91
280	281	N 07°13'33" W	50.0214	280	238900.81	2003567.26
281	282	N 09°44'02" W	48.6968	281	238894.51	2003616.88
282	283	N 09°44'05" W	37.9973	282	238886.28	2003664.88
283	284	N 23°30'47" W	11.0036	283	238879.86	2003702.33
284	285	N 23°29'22" W	12.6698	284	238875.47	2003712.42
285	286	N 39°47'13" W	70.6631	285	238870.42	2003724.04
286	287	N 20°03'13" W	25.6340	286	238825.20	2003778.34
287	288	N 09°18'01" W	8.7246	287	238816.41	2003802.42
288	289	N 04°03'12" E	6.3659	288	238815.00	2003811.03
289	290	N 05°21'33" E	5.0320	289	238815.45	2003817.38
290	291	N 11°41'57" E	7.7918	290	238815.92	2003822.39
291	292	N 27°42'37" E	7.2851	291	238817.50	2003830.02
292	293	N 27°46'20" E	0.3661	292	238820.88	2003836.47
293	294	N 21°04'35" E	26.2778	293	238821.05	2003836.79
294	295	N 38°15'39" E	36.5766	294	238830.50	2003861.31
295	296	N 12°48'59" E	27.0026	295	238853.15	2003890.03
296	297	N 10°39'35" W	10.5419	296	238859.14	2003916.36
297	298	N 18°44'15" W	7.7824	297	238857.19	2003926.72
298	299	N 18°05'34" W	15.3594	298	238854.69	2003934.09
299	300	N 27°43'32" W	6.8171	299	238849.92	2003948.69
300	301	N 19°12'45" E	21.4853	300	238846.75	2003954.73
301	302	N 03°21'59" W	8.6509	301	238853.82	2003975.02
302	303	N 18°26'06" W	9.1031	302	238853.31	2003983.65
303	304	N 24°03'56" W	19.1016	303	238850.44	2003992.29
304	305	N 25°19'34" W	161.1108	304	238842.65	2004009.73
305	306	N 35°03'20" W	37.4413	305	238773.73	2004155.36
306	307	N 32°34'26" W	21.7017	306	238752.22	2004186.00
307	308	N 33°21'14" W	16.0151	307	238740.54	2004204.29
308	309	N 40°41'22" W	47.7902	308	238731.73	2004217.67
309	310	N 16°24'07" W	43.7760	309	238700.58	2004253.91
310	311	N 25°09'11" W	21.5132	310	238688.21	2004295.90
311	312	N 39°24'46" W	22.1366	311	238679.07	2004315.37
312	313	N 45°17'16" W	23.8278	312	238665.02	2004332.48
313	314	N 32°53'05" W	23.3906	313	238648.08	2004349.24
314	315	N 35°58'50" W	15.2756	314	238635.38	2004368.88

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
315	316	N 46°29'16" W	18.4456	315	238626.41	2004381.24
316	317	N 41°38'01" W	12.2342	316	238613.03	2004393.94
317	318	N 31°21'25" W	12.6909	317	238604.90	2004403.09
318	319	N 18°01'46" W	45.4096	318	238598.30	2004413.93
319	320	N 10°04'50" W	38.6972	319	238584.24	2004457.11
320	321	N 31°34'27" W	19.0806	320	238577.47	2004495.21
321	322	N 26°03'01" W	58.9944	321	238567.48	2004511.46
322	323	N 02°17'56" W	68.8574	322	238541.57	2004564.46
323	324	N 56°44'44" W	9.2640	323	238538.81	2004633.26
324	325	N 50°57'52" W	6.0495	324	238531.06	2004638.34
325	326	N 68°01'32" W	7.8061	325	238526.36	2004642.15
326	327	N 55°27'06" W	9.4057	326	238519.13	2004645.08
327	328	N 52°18'20" W	7.0619	327	238511.38	2004650.41
328	329	N 67°51'52" W	8.0892	328	238505.79	2004654.73
329	330	N 57°35'15" W	9.4774	329	238498.30	2004657.78
330	331	N 55°48'50" W	8.1369	330	238490.30	2004662.86
331	332	N 79°05'55" W	34.9200	331	238483.57	2004667.43
332	333	S 76°43'53" W	29.8805	332	238449.28	2004674.03
333	334	S 88°30'57" W	24.5191	333	238420.19	2004667.17
334	335	N 80°20'24" W	18.1645	334	238395.68	2004666.54
335	336	N 72°25'43" W	23.9787	335	238377.77	2004669.59
336	337	N 77°06'22" W	10.8136	336	238354.91	2004676.83
337	338	N 67°51'52" W	8.0892	337	238344.37	2004679.24
338	339	N 57°15'53" W	8.4548	338	238336.88	2004682.29
339	340	S 88°52'35" W	12.9564	339	238329.77	2004686.86
340	341	N 53°07'48" W	15.2399	340	238316.81	2004686.60
341	342	N 69°44'36" W	11.3712	341	238304.62	2004695.75
342	343	N 71°46'03" W	11.3656	342	238293.95	2004699.68
343	344	N 66°02'15" W	0.2547	343	238283.16	2004703.24
344	345	N 20°30'11" E	16.2421	344	238282.93	2004703.34
345	346	N 36°59'07" E	30.7339	345	238288.62	2004718.56
346	347	N 19°08'46" E	4.3295	346	238307.11	2004743.11
347	348	N 68°35'42" W	29.7842	347	238308.53	2004747.20
348	349	S 17°42'37" W	7.0018	348	238280.80	2004758.07
349	350	N 71°02'22" W	8.6175	349	238278.67	2004751.40
350	351	S 21°22'16" W	38.4902	350	238270.52	2004754.20
351	352	N 36°12'34" W	8.8144	351	238256.49	2004718.35
352	353	N 22°01'23" W	12.1926	352	238251.28	2004725.47
353	354	N 09°27'44" W	15.4502	353	238246.71	2004736.77
354	355	N 05°24'13" W	9.4399	354	238244.17	2004752.01
355	356	N 10°10'32" W	30.1928	355	238243.28	2004761.41
356	357	N 07°12'22" W	50.2403	356	238237.95	2004791.12
357	358	N 26°57'20" E	38.1874	357	238231.65	2004840.97
358	359	N 82°17'13" E	110.4990	358	238248.96	2004875.01
359	360	N 38°33'03" W	14.7943	359	238358.46	2004889.84
360	361	N 40°50'42" W	17.0790	360	238349.24	2004901.41
361	362	N 80°09'42" W	35.5831	361	238338.07	2004914.33
362	363	S 83°58'59" W	15.6461	362	238303.01	2004920.41
363	364	N 84°48'31" W	16.3570	363	238287.45	2004918.77
364	365	S 59°43'19" W	15.4702	364	238271.16	2004920.25
365	366	N 09°26'17" W	54.3352	365	238257.80	2004912.45
366	367	N 12°57'50" E	30.9795	366	238248.89	2004966.05
367	368	N 38°12'01" E	40.9108	367	238255.84	2004996.24

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
368	369	N 41°49'45" E	14.5745	368	238281.14	2005028.39
369	370	N 41°55'51" E	27.3404	369	238290.86	2005039.25
370	371	N 55°45'48" E	19.1962	370	238309.13	2005059.59
371	372	N 26°58'35" E	38.5998	371	238325.00	2005070.39
372	373	N 35°21'59" E	17.9161	372	238342.51	2005104.79
373	374	N 34°37'09" E	31.9825	373	238352.88	2005119.40
374	375	N 38°29'58" E	30.7302	374	238371.05	2005145.72
375	376	N 50°53'04" E	32.4147	375	238390.18	2005169.76
376	377	N 56°15'19" E	34.9576	376	238415.32	2005190.21
377	378	S 53°15'50" E	0.0147	377	238444.39	2005209.63
378	379	N 72°03'15" E	39.6277	378	238444.40	2005209.62
379	380	N 14°26'20" E	16.5631	379	238482.10	2005221.83
380	381	N 27°11'21" E	14.7723	380	238486.23	2005237.87
381	382	N 26°39'01" E	15.0039	381	238492.98	2005251.01
382	383	N 23°03'31" E	15.0634	382	238499.71	2005264.42
383	384	N 24°54'52" E	14.9073	383	238505.61	2005278.28
384	385	N 25°24'59" E	61.8125	384	238511.89	2005291.80
385	386	N 25°55'57" E	20.2599	385	238538.42	2005347.63
386	387	N 27°05'16" E	21.5654	386	238547.28	2005365.85
387	388	N 28°23'27" E	21.4726	387	238557.10	2005385.05
388	389	N 27°02'09" E	45.1704	388	238567.31	2005403.94
389	390	N 27°02'09" E	16.3187	389	238587.85	2005444.18
390	391	N 21°23'52" E	33.2197	390	238595.26	2005458.71
391	392	N 30°52'36" E	25.9939	391	238607.38	2005489.64
392	393	N 36°03'28" E	19.3338	392	238620.72	2005511.95
393	394	N 14°25'19" E	37.0989	393	238632.10	2005527.58
394	395	N 39°02'53" E	9.0785	394	238641.34	2005563.51
395	396	N 39°02'42" E	15.9532	395	238647.06	2005570.56
396	397	N 39°02'36" E	14.4324	396	238657.11	2005582.95
397	398	N 43°08'02" E	37.3548	397	238666.20	2005594.16
398	399	N 50°17'03" E	38.3110	398	238691.74	2005621.42
399	400	N 51°22'15" E	40.7189	399	238721.21	2005645.90
400	401	N 41°14'06" E	40.3849	400	238753.02	2005671.32
401	402	N 22°10'48" E	49.7189	401	238779.64	2005701.69
402	403	N 29°22'15" E	21.1024	402	238798.41	2005747.73
403	404	N 24°44'57" E	20.9286	403	238808.76	2005766.12
404	405	N 19°51'16" E	24.3790	404	238817.52	2005785.13
405	406	N 19°49'55" E	7.7815	405	238825.80	2005808.06
406	407	N 36°55'06" E	35.3598	406	238828.44	2005815.38
407	408	N 21°06'09" E	8.8323	407	238849.68	2005843.65
408	409	N 21°04'47" E	27.1358	408	238852.86	2005851.89
409	410	N 32°47'43" E	41.7433	409	238862.62	2005877.21
410	411	N 34°41'58" E	63.1523	410	238885.23	2005912.30
411	412	N 34°42'28" E	27.0935	411	238921.18	2005964.22
412	413	N 28°49'45" E	21.7335	412	238936.61	2005986.49
413	414	N 25°08'16" E	49.0937	413	238947.09	2006005.53
414	415	N 25°08'41" E	60.6162	414	238967.95	2006049.97
415	416	N 13°20'22" E	50.2762	415	238993.70	2006104.85
416	417	N 15°53'02" E	46.2559	416	239005.30	2006153.77
417	418	N 42°59'52" E	122.8633	417	239017.96	2006198.26
418	419	N 89°40'17" E	89.6092	418	239101.75	2006288.12
419	420	S 57°06'34" E	92.8292	419	239191.36	2006288.63
420	421	S 57°23'17" E	100.2321	420	239269.31	2006238.22

LINE		BEARING	DISTANCE (meters)	CORNER	COORDINATES	
FROM	TO				X	Y
421	422	S 66°55'55" E	84.0936	421	239353.74	2006184.20
422	423	N 87°44'35" E	19.7169	422	239431.11	2006151.25
423	424	N 80°23'32" E	7.7892	423	239450.81	2006152.03
424	425	S 03°34'22" W	51.2157	424	239458.49	2006153.33
425	426	S 72°42'49" E	36.2784	425	239455.30	2006102.21
426	427	S 30°11'53" E	8.4693	426	239489.94	2006091.43
427	428	S 35°22'13" E	15.1331	427	239494.20	2006084.11
428	429	S 35°54'08" E	12.7897	428	239502.96	2006071.77
429	430	S 32°48'10" E	12.7179	429	239510.46	2006061.41
430	431	S 02°16'48" E	8.7969	430	239517.35	2006050.72
431	432	S 54°56'16" E	20.7322	431	239517.70	2006041.93
432	433	S 45°56'40" E	15.0138	432	239534.67	2006030.02
433	434	S 20°10'54" E	13.7970	433	239545.46	2006019.58
434	435	S 40°05'18" E	12.9664	434	239550.22	2006006.63
435	436	S 15°44'22" E	19.5011	435	239558.57	2005996.71
436	437	S 06°45'54" E	16.9781	436	239563.86	2005977.94
437	438	S 12°22'50" E	30.6424	437	239565.86	2005961.08
438	439	S 14°38'00" E	11.6374	438	239572.43	2005931.15
439	440	S 00°05'19" W	19.3499	439	239575.37	2005919.89
440	441	S 09°29'07" E	16.4447	440	239575.34	2005900.54
441	442	S 40°56'27" E	20.6780	441	239578.05	2005884.32
442	443	S 13°23'16" E	40.9424	442	239591.60	2005868.70
443	444	S 12°18'17" W	81.0822	443	239601.08	2005828.87
444	445	S 01°29'21" W	36.5521	444	239583.80	2005749.65
445	446	S 07°24'39" E	41.0123	445	239582.85	2005713.11
446	1	S 20°52'02" E	92.6143	446	239588.14	2005672.44

Annex B. Map of Paoay Lake Protected Landscape

