

Appendix 2

BLOCK 192 DESCRIPTION AND MAP

BLOCK 192 DESCRIPTION

LOCATION

Block 192 is located between the Provinces of Datem del Marañón and Loreto Region of Loreto and its boundaries are as shown in Appendix "B" (Map) as described below.

POINTS OF REFERENCE

The Point of Reference (PR) is the Andoas Station, located at Nuevo Andoas Campsite, District of Pastaza, Province of Datem del Marañón, Region of Loreto.

The Point of Reference (PR) is the Vista Alegre Station, located in the Native Community Vista Alegre, District of Intuto, Province of Loreto, Region of Loreto.

STARTING POINT

Measurement is made from the Point of Reference (PR) Andoas Station, 15,415.595 m to the North and then 14,675.553 m. to the West, up to Point (56) which is the Starting Point (PP) of the Block's perimeter.

BLOCK OUTLINE

From Point (56) or (PP) 20,000.406 m are measured to the North East in a straight line with Azimuth $51^{\circ}50'08''093$ up to Point (45).

From Point (45) 10,000.107 m are measured to the South East in a straight line with Azimuth $141^{\circ}53'14''595$ up to Point (51).

From Point (51) 20,000.407 m are measured to the North East in a straight line with Azimuth $51^{\circ}50'08''136$ up to Point (39).

From Point (39) 20,023.030 m are measured to the North West in a straight line with Azimuth $321^{\circ}53'14''607$ up to Point (23).

From Point (23) 42,675.314 m are measured to the North East in a straight line with Azimuth $51^{\circ}59'25''196$ up to Point (3).

From Point (3) 11,477.466 m are measured to the South East in a straight line with Azimuth $154^{\circ}38'07''693$ up to Point (7).

From Point (7) 21,052.080 m are measured to the North East in a straight line with Azimuth $37^{\circ}18'16''698$ up to Point (1).

From Point (1) 10,002.182 m are measured to the South East in a straight line with Azimuth $126^{\circ}08'00''750$ up to Point (2).

From Point (2) 9,580.705 m are measured to the South West in a straight line with Azimuth $217^{\circ}18'22''976$ up to Point (6).

From Point (6) 11,872.542 m are measured to the South East in a straight line with Azimuth $127^{\circ}14'32''339$ up to Point (13).

From Point (13) 13,552.560 m are measured to the East in a straight line with Azimuth $90^{\circ}00'00''$ up to Point (14).

From Point (14) 6,331.022 m are measured to the South West in a straight line with Azimuth $185^{\circ}36'34''684$ up to Point (15).

From Point (15) 8,588.937 m are measured to the South East in a straight line with Azimuth $135^{\circ}27'06''451$ up to Point (24).

From Point (24) 5,445.745 m are measured to the South East in a straight line with Azimuth $165^{\circ}41'28''288$ up to Point (25).

From Point (25) 11,254.845 m are measured to the South East in a straight line with Azimuth $125^{\circ}45'32''966$ up to Point (36).

From Point (36) 12,490.206 m are measured to the South West in a straight line with Azimuth $217^{\circ}18'23''009$ up to Point (47).

From Point (47) 4,280.592 m are measured to the South West in a straight line with Azimuth $230^{\circ}51'38''118$ up to Point (50).

From Point (50) 10,000.105 m are measured to the South East in a straight line with Azimuth $141^{\circ}53'12''118$ up to Point (57).

From Point (57) 8,500.080 m are measured to the South West in a straight line with Azimuth $231^{\circ}53'12''016$ up to Point (58).

From Point (58) 20,000.210 m are measured to the North West in a straight line with Azimuth $321^{\circ}53'14''614$ up to Point (46).

From Point (46) 8,500.100 m are measured to the North East in a straight line with Azimuth $51^{\circ}53'11''784$ up to Point (41).

From Point (41) 9,462.269 m are measured to the North West in a straight line with Azimuth $317^{\circ}18'53''370$ up to Point (33).

From Point (33) 4,293.842 m are measured to the South West in a straight line with Azimuth $238^{\circ}47'29''466$ up to Point (35).

From Point (35) 3,521.945 m are measured to the South West in a straight line with Azimuth $232^{\circ}53'21''478$ up to Point (37).

From Point (37) 20,000.218 m are measured to the North West in a straight line with Azimuth $321^{\circ}53'14''678$ up to Point (22).

From Point (22) 20,000.406 m are measured to the South West in a straight line with Azimuth $231^{\circ}50'08''174$ up to Point (34).

From Point (34) 40,000.422 m are measured to the South East in a straight line with Azimuth $141^{\circ}53'14''654$ up to Point (65).

From Point (65) 40,000.804 m are measured to the South West in a straight line with Azimuth $231^{\circ}50'08''204$ up to Point (78).

From Point (78) 20,000.207 m are measured to the North West in a straight line with Azimuth $321^{\circ}53'14''626$ up to Point (73).

From Point (73) 20,000.218 m are measured to the South West in a straight line with Azimuth $231^{\circ}53'01''074$ up to Point (77).

From Point (77) 39,973.566 m are measured to the North West in a straight line with Azimuth 321°33'09"464 up to Point (56) or Starting Point (PP) thus closing the Block's Perimeter.

DEFINITION OF BLOCKS

- Block 1 surrounded by corner points 1, 2, 5 and 4
 Block 2 surrounded by corner points 3, 7, 11, 10, 9 and 8
 BASIS - INTERNATIONAL PUBLIC COMPETITIVE BIDDING PROCESS N° PERUPETRO-001-2015
 Block 3 surrounded by corner points 4, 5, 6,13,12,11 and 7
 Block 4 surrounded by corner points 8,9,17 and 16
 Block 5 surrounded by corner points 9, 10, 18 and 17
 Block 6 surrounded by corner points 10,11,12,19 and 18
 Block 7 surrounded by corner points 12, 13, 14,15,21,20 and 19
 Block 8 surrounded by corner points 16, 17,27,40,39 and 23
 Block 9 surrounded by corner points 17, 18, 28 and 27
 Block 10 surrounded by corner points 18, 19,26,22,29 and 28
 Block 11 surrounded by corner points 19,20,31,30 and 26
 Block 12 surrounded by corner points 20, 21,24,25,32 and 31
 Block 13 surrounded by corner points 27,28,29,34,38,44,43 and 40
 Block 14 surrounded by corner points 30, 31,41,33,35 and 37
 Block 15 surrounded by corner points 31,32,36,42 and 41
 Block 16 surrounded by corner points 39, 40,43,53,52 and 51
 Block 17 surrounded by corner points 43, 44, 54 and 53
 Block 18 surrounded by corner points 38, 55, 54 and 44
 Block 19 surrounded by corner points 41, 42,47,50,49 and 46
 Block 20 surrounded by corner points 48, 60, 59 and 56
 Block 21 surrounded by corner points 45,51,61,60 and 48
 Block 22 surrounded by corner points 51, 52, 62 and 61
 Block 23 surrounded by corner points 53,54,63,62 and 52
 Block 24 surrounded by corner points 54, 55, 64 and 63
 Block 25 surrounded by corner points 49, 50, 57 and 58
 Block 26 surrounded by corner points 59,60,61,67 and 66
 Block 27 surrounded by corner points 61,62,70,69, 68 and 67
 Block 28 surrounded by corner points 62, 63, 71 and 70
 Block 29 surrounded by corner points 63,64,65,72 and 71
 Block 30 surrounded by corner points 66, 67, 68 and 77
 Block 31 surrounded by corner points 68, 69, 73 and 77
 Block 32 surrounded by corner points 69, 70,71,75,74 and 73
 Block 33 surrounded by corner points 71, 72, 76 and 75
 Block 34 surrounded by corner points 74, 75, 76 and 78

LIST OF COORDINATES OF THE BLOCK'S CORNER POINTS

Point	PLANE UTM COORDINATES		GEOGRAPHIC COORDINATES	
	Meters East	Meters North	Latitude South	Longitude West
Andoas Station (PR)	338,513.814	9'689,670.082	02°48'24"201	76°27'10"119

56 (PP)	323,838.261	9'705,085.677	02°40'01"694	76°35'04"646
45	339,563.396	9'717,444.333	02°33'19"935	76°26'35"074
51	345,735.553	9'709,576.257	02°37'36"342	76°23'15"533
39	361,460.691	9'721,934.910	02°30'54"460	76°14'46"002
23	349,102.296	9'737,689.014	02°22'21"096	76°21'25"588
3	382,726.469	9'763,968.235	02°08'06"287	76°03'16"470
7	387,643.138	9'753,597.189	02°13'44"125	76°00'37"547
1	400,401.810	9'770,342.527	02°04'39"067	75°53'44"203
2	408,480.020	9'764,444.548	02°07'51"287	75°49'22"814
6	402,673.375	9'756,823.998	02°11'59"354	75°52'30"923
13	412,124.906	9'749,638.887	02°15'53"521	75°47'25"078
14	425,677.466	9'749,638.887	02°15'53"743	75°40'06"317
15	425,058.607	9'743,338.184	02°19'18"932	75°40'26"449
24	431,083.825	9'737,217.188	02°22'38"370	75°37'11"460
25	432,429.730	9'731,940.382	02°25'30"244	75°36'27"958
36	441,562.818	9'725,363.283	02°29'04"574	75°31'32"317
47	433,992.790	9'715,428.500	02°34'28"024	75°35'37"589
50	430,672.710	9'712,726.550	02°35'55"969	75°37'25"146
57	436,844.960	9'704,858.550	02°40'12"309	75°34'05"382
58	430,157.170	9'699,612.140	02°43'03"066	75°37'42"057
46	417,812.860	9'715,348.290	02°34'30"361	75°44'21"538
41	424,500.660	9'720,594.720	02°31'39"620	75°40'44"882
33	418,085.530	9'727,550.340	02°27'52"982	75°44'12"485
35	414,413.060	9'725,325.470	02°29'05"372	75°46'11"438
37	411,604.410	9'723,200.480	02°30'14"521	75°47'42"423
22	399,260.100	9'738,936.640	02°21'41"802	75°54'21"782

34	383,534.960	9'726,577.990	02°28'23"893	76°02'51"190
65	408,223.575	9'695,105.684	02°45'29"395	75°49'32"495
78	376,773.298	9'670,388.394	02°58'53"441	76°06'31"784
73	364,428.991	9'686,124.542	02°50'20"615	76°13'11"054
77	348,693.645	9'673,779.194	02°57'02"011	76°21'41"100

LIST OF COORDINATES OF BLOCK CORNERS

1	400,401.810	9'770,342.527	02°04'34"056	75°53'40"403
2	408,480.020	9'764,444.548	02°07'51"287	75°49'22"814
3	382,726.469	9'763,968.235	02°08'06"287	76°03'16"470
4	392,246.451	9'759,638.887	02°10'27"477	75°58'08"402
5	404,818.241	9'759,638.887	02°10'27"724	75°51'21"437
6	402,673.375	9'756,823.998	02°11'59"354	75°52'30"923
7	387,643.138	9'753,597.189	02°13'44"125	76°00'37"547
8	364,392.117	9'749,638.887	02°15'52"444	76°13'10"299
9	365,735.553	9'749,638.887	02°15'52"480	76°12'26"812
10	385,735.553	9'749,638.887	02°15'52"982	76°01'39"388
11	387,643.138	9'749,638.887	02°15'53"026	76°00'37"635
12	405,735.553	9'749,638.887	02°15'53"404	75°50'51"927
13	412,124.906	9'749,638.887	02°15'53"521	75°47'25"078
14	425,677.466	9'749,638.887	02°15'53"743	75°40'06"317
15	425,058.607	9'743,338.184	02°19'18"932	75°40'26"449
16	351,597.152	9'739,638.887	02°21'17"686	76°20'04"767
17	365,735.553	9'739,638.887	02°21'18"105	76°12'27"087
18	385,735.553	9'739,638.887	02°21'18"628	76°01'39"622
19	405,735.553	9'739,638.887	02°21'19"066	76°50'52"120
20	424,500.660	9'739,638.887	02°21'19"400	76°40'44"571
21	428,700.019	9'739,638.887	02°21'19"465	75°38'28"607
22	399,260.100	9'738,936.640	02°21'41"802	75°54'21"782
23	349,102.296	9'737,689.014	02°22'21"096	76°21'25"588
24	431,083.825	9'737,217.188	02°22'38"370	75°37'11"460
25	432,429.730	9'731,940.382	02°25'30"244	75°36'27"958
26	405,735.553	9'730,681.925	02°26'10"760	75°50'52"300
27	365,735.553	9'729,638.887	02°26'43"730	76°12'27"373
28	385,735.553	9'729,638.887	02°26'44"272	76°01'39"865
29	387,429.644	9'729,638.887	02°26'44"314	76°00'45"017
30	406,553.769	9'729,638.887	02°26'44"744	75°50'25"829
31	424,500.660	9'729,638.887	02°26'45"075	75°40'44"732
32	435,625.631	9'729,638.887	02°26'45"245	75°34'44"509
33	418,085.530	9'727,550.340	02°27'52"982	75°44'12"485
34	383,534.960	9'726,577.990	02°28'23"893	76°02'51"190
35	414,413.060	9'725,325.470	02°29'05"372	75°46'11"438
36	441,562.818	9'725,363.283	02°29'04"574	75°31'32"317

37	411,604.410	9'723,200.480	02°30'14"521	75°47'42"423
38	385,735.553	9'723,772.740	02°29'55"300	76°01'40"012
39	361,460.691	9'721,934.910	02°30'54"460	76°14'46"002
40	365,735.553	9'721,934.910	02°30'54"590	76°12'27"600
41	424,500.660	9'720,594.720	02°31'39"620	75°40'44"882
42	437,929.306	9'720,594.720	02°31'39"828	75°33'30"040
43	365,735.553	9'719,638.887	02°32'09"355	76°12'27"669
44	385,735.553	9'719,638.887	02°32'09"917	76°01'40"118
45	339,563.396	9'717,444.333	02°33'19"935	76°26'35"074
46	417,812.860	9'715,348.290	02°34'30"361	75°44'21"538
47	433,992.790	9'715,428.500	02°34'28"024	75°35'37"589
48	335,735.553	9'714,435.965	02°34'57"742	76°28'39"108
49	419,869.498	9'712,726.550	02°35'55"782	75°43'14"988
50	430,672.710	9'712,726.550	02°35'55"969	75°37'25"146
51	345,735.553	9'709,576.257	02°37'36"342	76°23'15"533
52	365,735.553	9'709,576.257	02°37'37"018	76°12'27"979
53	365,735.553	9'709,638.887	02°37'34"978	76°12'27"977
54	385,735.553	9'709,638.887	02°37'35"561	76°01'40"379
55	396,822.928	9'709,638.887	02°37'35"843	75°55'41"355
56	323,838.261	9'705,085.677	02°40'01"694	76°35'04"646
57	436,844.960	9'704,858.550	02°40'12"309	75°34'05"382
58	430,157.170	9'699,612.140	02°43'03"066	75°37'42"057
59	328,162.671	9'699,638.887	02°42'59"208	76°32'44"867
60	335,735.553	9'699,638.887	02°42'59"516	76°28'39"679
61	345,735.553	9'699,638.887	02°42'59"902	76°23'15"896
62	365,735.553	9'699,638.887	02°43'00"602	76°12'28"295
63	385,735.553	9'699,638.887	02°43'01"204	76°01'40"650
64	404,667.480	9'699,638.887	02°43'01"685	75°51'27"558
65	408,223.575	9'695,105.684	02°45'29"395	75°49'32"495
66	336,102.043	9'689,638.887	02°48'25"118	76°28'28"214
67	345,735.553	9'689,638.887	02°48'25"502	76°23'16"274
68	348,693.645	9'689,638.887	02°48'25"615	76°21'40"487
69	364,428.991	9'689,638.887	02°48'26"180	76°13'10"935
70	365,735.553	9'689,638.887	02°48'26"225	76°12'28"624
71	385,735.553	9'689,638.887	02°48'26"847	76°01'40"930
72	401,267.623	9'689,638.887	02°48'26"261	75°53'17"903
73	364,428.991	9'686,124.542	02°50'20"615	76°13'11"054
74	369,516.698	9'679,638.887	02°53'51"976	76°10'26"506
75	385,735.553	9'679,638.887	02°53'52"489	76°01'41"219
76	388,543.624	9'679,638.887	02°53'52"571	76°00'10"271
77	348,693.645	9'673,779.194	02°57'02"011	76°21'41"100
78	376,773.298	9'670,388.394	02°58'53"441	76°06'31"784

EXTENSION (Area per Block)

Block	Área
1	9,749.107 hectares
2	17,631.680 hectares
3	17,337.039 hectares

4	7,740.918 hectares
5	20,000.000 hectares
6	20,000.000 hectares
7	20,191.550 hectares
8	19,469.475 hectares
9	20,000.000 hectares
10	11,152.102 hectares
11	18,722.435 hectares
12	7,327.153 hectares
13	19,613.822 hectares
14	7,882.251 hectares
15	13,295.716 hectares
16	15,000.230 hectares
17	20,000.000 hectares
18	7,835.366 hectares
19	11,275.003 hectares
20	10,864.653 hectares
21	14,801.518 hectares
22	19,874.740 hectares
23	20,000.000 hectares
24	15,009.651 hectares
25	11,333.972 hectares
26	13,603.196 hectares
27	20,000.000 hectares
28	20,000.000 hectares
29	19,780.658 hectares
30	9,984.947 hectares
31	15,242.860 hectares
32	19,656.706 hectares
33	9,170.071 hectares
34	8,800.422 hectares
Total =	512,347.241 hectares

07 Regular blocks of 20,000.000 hectares ea.	=	140,000.000 hectares
27 Irregular blocks with different area dimensions	=	372,347.241 hectares
Total 34 Blocks =		512,347.241 hectares

The Coordinates, Distances, Areas and Azimuths mentioned in this Appendix refer to the Universal Transversal Mercator (UTM) Projection System WGS 84 Ellipsoid, Zone 18 (Meridiano Central 75°00'00").

The Geodesic Datum is the WGS 84

In case of discrepancies between UTM Coordinates and Geographic Coordinates or Distances, Areas and Azimuth, the UTM Coordinates shall prevail.

MAP OF BLOCK 192

