

### 12 B San Rafael Ruta puntos X Y

Vértice	X	Y	Angulo	Distancia Acumulada (m)
0	316,631.20	2,313,843.31	287.48	0.00
1	316,275.73	2,313,955.26	291.29	372.68
2	316,042.17	2,314,064.66	321.38	630.59
3	316,009.48	2,314,214.05	334.22	783.52
4	315,905.70	2,314,341.18	314.44	947.63
5	315,881.93	2,314,359.83	315.43	977.84
6	315,803.71	2,314,462.71	324.64	1,107.08
7	315,777.40	2,314,502.49	305.39	1,154.78
8	315,747.10	2,314,510.20	318.48	1,186.04
9	315,713.90	2,314,768.63	356.29	1,446.59
10	315,713.54	2,314,969.79	359.38	1,647.75
11	315,710.46	2,315,126.13	358.92	1,804.12
12	315,707.33	2,315,300.94	354.31	1,978.97
13	315,702.47	2,315,327.59	319.29	2,006.05
14	315,333.76	2,315,454.04	290.30	2,395.83
15	315,230.39	2,315,495.11	292.11	2,507.07
16	315,157.05	2,315,525.57	287.01	2,586.48
17	315,020.13	2,315,553.37	281.87	2,726.19
18	314,579.02	2,315,649.27	285.88	3,177.61
19	314,332.61	2,315,736.55	296.82	3,439.02
20	314,267.17	2,315,780.90	305.01	3,518.07
21	314,181.97	2,315,842.57	310.51	3,623.25
22	314,042.83	2,315,982.28	334.59	3,820.42
23	314,039.60	2,316,013.41	336.90	3,851.72
24	314,023.72	2,316,032.15	313.32	3,876.28
25	313,977.54	2,316,066.84	297.65	3,934.04
26	313,786.72	2,316,130.25	289.60	4,135.12
27	313,691.39	2,316,166.52	287.52	4,237.11
28	313,550.60	2,316,202.18	295.02	4,382.36
29	313,450.38	2,316,274.54	311.02	4,505.97
30	313,378.34	2,316,349.70	331.04	4,610.08
31	313,371.12	2,316,378.36	6.42	4,639.64
32	313,465.85	2,316,564.43	30.09	4,848.44
33	313,503.19	2,316,621.51	37.22	4,916.64
34	313,516.77	2,316,637.00	353.99	4,937.24
35	313,498.88	2,316,650.36	302.00	4,959.56
36	313,456.79	2,316,672.03	303.14	5,006.91
37	313,362.12	2,316,748.79	305.42	5,128.78
38	312,916.04	2,317,025.46	300.40	5,653.70
39	312,813.55	2,317,082.23	300.66	5,770.86
40	312,645.18	2,317,188.78	324.45	5,970.11
41	312,635.13	2,317,230.87	308.63	6,013.38
42	312,543.64	2,317,231.96	265.98	6,104.89
43	311,807.27	2,317,118.93	261.94	6,849.88
44	311,047.88	2,317,020.35	261.84	7,615.64
45	310,932.92	2,317,002.29	254.54	7,732.01
46	310,852.73	2,316,969.92	244.72	7,818.49
47	310,453.20	2,316,752.32	252.62	8,273.43
48	310,280.01	2,316,733.56	258.16	8,447.64
49	310,215.76	2,316,713.29	268.83	8,515.01
50	310,161.81	2,316,727.92	282.94	8,570.91
51	310,074.95	2,316,744.36	279.13	8,659.31

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<b>Vértice</b>	<b>X</b>	<b>Y</b>	<b>Angulo</b>	<b>Distancia Acumulada (m)</b>
52	309,978.62	2,316,757.13	277.55	8,756.47