PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of September 24, 2007

Prepared by McGee Surveying Consulting

MONITORING POINTS

NAD83(2007) STATE PLANE COORDINATES & NAVD88 ELEVATIONS of Original Positions, 2007 & Post 2007 Positions

Notes: # Indicates stable points, not moving

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

1= At KC01 2005 and prior surveys used a nearby monument 831-29W 1.48', the original position is adjusted here to be relative to the 1" IP used presently, resulting in correct Overall Movements, see Reports

9/24/2007(1994) Indicates the 2007 position was used for overall; see the 2007 Report Attachments for original 1994 positions

		Original Positions			Sept. 24, 2007 Positions			Overall Movements (US Feet)					
		NAD83 SPC Zone 5 (Ft)		NAVD88	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Sept. 24, 2007					
Point	Date	North (ft)	East (ft)	Elev(ft)	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Note
AB01	12/1/1994	1729427.58	6445709.61	178.62	1729427.55	6445709.64	178.62	-0.03	0.03	0.00	138	0	#
AB02	9/24/2007(1994)	1726946.98	6447968.69	116.48	1726946.98	6447968.69	116.48						
AB03	12/1/1994	1727338.34	6447818.82	139.60	1727338.39	6447818.81	139.59	0.04	-0.01	-0.01	351	0.04	#
AB04	11/30/1994	1728391.99	6447123.34	67.57	1728390.55	6447122.03	67.31	-1.44	-1.32	-0.26	222	1.95	
AB05	3/14/1995	1728075.72	6447645.17	80.90	Disturbed between 2007-2008								
AB06	4/27/1995	1729059.73	6446976.26	165.28	1729058.58	6446975.91	164.91	-1.15	-0.35	-0.37	197	1.21	
AB07	11/30/1994	1728982.79	6447358.41	159.92	1728981.51	6447357.74	159.40	-1.28	-0.67	-0.52	208	1.44	
AB12	11/30/1994	1729416.49	6448271.64	283.43	1729415.67	6448271.30	283.19	-0.82	-0.35	-0.24	203	0.89	
AB13	11/30/1994	1729928.90	6448236.04	365.03	1729928.25	6448235.90	364.54	-0.65	-0.13	-0.49	192	0.66	
AB15	11/30/1994	1730312.09	6448099.38	397.28	1730311.64	6448099.31	396.90	-0.45	-0.07	-0.38	189	0.45	
AB16	11/30/1994	1730358.89	6447532.12	376.62	1730358.70	6447532.17	376.44	-0.19	0.04	-0.18	168	0.19	
AB17	9/24/2007(1994)	1731421.12	6446727.77	442.80	1731421.12	6446727.77	442.80						
AB18	12/1/1994	1731602.62	6448187.49	457.19	1731602.37	6448187.58	456.93	-0.26	0.09	-0.26	162	0.27	
AB20	3/16/1995	1729360.63	6449686.27	396.43	1729360.00	6449686.03	396.23	-0.62	-0.23	-0.20	201	0.67	
AB21	9/24/2007	1729355.07	6449675.02	394.94	1729355.07	6449675.02	394.94						
AB24	3/12/1997	1729830.35	6447759.96	335.92	1729829.83	6447759.82	335.74	-0.52	-0.14	-0.18	196	0.54	
AB50	1/16/1998	1728085.00	6448248.18	181.98	1728084.71	6448247.54	182.03	-0.29	-0.65	0.05	246	0.71	
AB51	3/22/2002	1729617.01	6447306.54	305.42	1729616.73	6447306.52	305.25	-0.28	-0.02	-0.17	184	0.28	
AB52	3/22/2002	1730016.10	6448624.44	368.61	1730015.79	6448624.36	368.39	-0.31	-0.08	-0.22	195	0.32	
AB53	3/22/2002	1730431.11	6449712.37	353.13	1730430.77	6449712.33	352.90	-0.34	-0.04	-0.23	187	0.34	
AB54	9/24/2007	1731111.94	6447047.87	407.31	1731111.94	6447047.87	407.31						
AB55	9/24/2007	1731174.77	6447753.57	405.38	1731174.77	6447753.57	405.38						
AB56	9/24/2007	1732214.31	6448545.46	571.65	1732214.31	6448545.46	571.65						
AB57	9/24/2007	1731926.91	6449759.36	564.93	1731926.91	6449759.36	564.93						
AB58	9/24/2007	1731118.02	6449074.93	405.67	1731118.02	6449074.93	405.67						
AB59	9/24/2007	1730850.87	6450212.56	434.37	1730850.87	6450212.56	434.37						
AB60	9/24/2007	1729089.70	6447987.57	179.45	1729089.70	6447987.57	179.45						
AB61	9/24/2007	1727424.50	6447990.26	140.47	1727424.50	6447990.26	140.47						
AB62	11/13/2011	1728910.35	6446925.46	143.01	Replacement for AB06								
AB63	11/13/2011	1729059.30	6447307.03	180.84	Replacement for AB07								
AB64	9/14/2012	1731830.69	6447373.08	532.25	Replacement for AB54								
AB65	9/14/2012	1731705.67	6448264.07	458.53	Replacement for AB18								
AB66	9/14/2012	1730047.29	6448490.53	374.28	Replacement for AB52								
AB67	9/14/2012	1731180.41	6447741.76	405.33	Replacement for AB55								
AB68	9/14/2012	1730258.86	6448055.37	393.45	Replacement for AB15								
AB70	4/16/2015	1729291.48	6448352.87	254.15	Replacement for AB12								
AB71	10/5/2016	1732224.13	6448551.81	571.53	Replacement for AB56, Reset Oct.2015, Destoyed & Reset 12' East in Oct.2016								
AB73	4/29/2020	1728456.04	6448394.03	306.70	Added Base Pt								
AB74	4/17/2024	1729605.59	6446853.14	271.90	New Pt								
AB75	4/17/2024	1729620.16	6449336.36	349.02	New Pt								
AB76	4/17/2024	1730023.13	6446806.64	386.28	New Pt								
AB77	5/28/2024	1733161.92	6446514.85	895.32	New Pt								
BB25	11/4/1998	1727200.54	6449932.73	3.81	1727200.25	6449932.73	4.12	-0.29	-0.01	0.31	182	0.29	
BB52	9/24/2007	1726996.36	6451384.38	3.83	1726996.36	6451384.38	3.83						
BB53	9/24/2007	1726831.16	6451840.89	13.81	1726831.16	6451840.89	13.81						
CR07	11/30/1994	1731628.78	6451203.19	633.28	1731628.37	6451203.29	632.48	-0.41	0.10	-0.80	166	0.42	
CR50	9/24/2007(1998)	1733013.62	6451037.38	872.66	1733013.62	6451037.38	872.66						
CR51	9/24/2007(1998)	1733062.03	6452361.86	976.25	1733062.03	6452361.86	976.25						
CR52	9/24/2007(1998)	1732867.58	6450239.32	779.63	1732867.58	6450239.32	779.63						
CR53	9/14/2012	1732780.28	6450224.19	780.72	Replacement for CR52								
CR54	10/10/2023	1731245.24	6450991.83	527.55	New Pt								
CR55	4/17/2024	1735390.03	6450646.17	1152.85	New Pt								
CR56	5/28/2024	1733194.41	6449201.90	782.58	New Pt								
CW01	6/14/2022	1734174.31	6450266.32	1175.34	Add CW Point								
CW05	6/14/2022	1732068.36	6450635.51	701.93	Add CW Point								
CW06	6/14/2022	1730906.24	6452118.17	529.76	Add CW Point								
CW07	6/14/2022	1729726.84	6453210.34	543.31	Add CW Point								
CW08	6/14/2022	1729146.29	6453119.78	607.45	Add CW Point								
FT06	9/24/2007	1729855.61	6452760.21	489.06	1729855.61	6452760.21	489.06						
FT07	9/24/2007	1729253.24	6454104.75	589.01	1729253.24	6454104.75	589.01						
FT08	9/24/2007	1729388.68	6453350.51	658.44	1729388.68	6453350.51	658.44						
FT09	4/29/2020	1729052.90	6454289.30	590.83	Replacement for FT07								
KC01	11/30/1994	1728476.78	6452458.23	312.88	1728476.36	6452457.91	312.42	-0.42	-0.32	-0.46	217	0.52	1
KC02	3/14/1995	1727002.89	6452118.99	13.84	1727002.74	6452118.89	13.74	-0.15	-0.11	-0.10	216	0.18	
KC04	3/14/1995	1727559.56	6452667.24	238.84	1727559.46	6452667.09	238.51	-0.10	-0.15	-0.33	236	0.18	
KC05	11/30/1994	1727082.00	6453179.09	227.86	1727082.01	6453178.94	227.53	0.01	-0.15	-0.33	273	0.15	
KC06	11/30/1994	1727784.91	6453396.67	300.35	1727784.94	6453396.40	299.97	0.03	-0.26	-0.38	276	0.26	
KC07	11/30/1994	1727759.19	6453683.92	313.83	1727759.37	6453683.85	313.51	0.18	-0.07	-0.32	340	0.19	
KC13	9/24/2007	1726581.16	6453069.63	191.20	1726581.16	6453069.63	191.20						
KC14	9/24/2007	1726742.44	6453806.05	259.94	1726742.44	6453806.05	259.94						
KC15	9/24/2007	1727590.45	6453121.10	287.10	1727590.45	6453121.10	287.10						
KC16	9/24/2007	1727602.25	6454098.23	326.90	1727602.25	6454098.23	326.90						
KC17	9/14/2012	1727302.76	6453026.42	215.25	Replacement for KC04								
KC18	11/26/2019	1728000.50	6452622.17	291.17	Replacement for KC01								
KC19	7/19/2023	1727780.41	6453497.22	306.33	New Pt								
KC20	7/19/2023	1727695.17	6453569.55	307.30	New Pt								
KC21	10/10/2023	1728095.82	6453495.09	383.61	New Pt								
KC22	10/10/2023	1728010.16	6453297.89	334.35	New Pt								
KC23	10/10/2023	1727351.42	6453327.01	269.31	New Pt								
KC24	10/10/2023	1726983.66	6452126.88	14.19	Replacement for KC02								
KC25	4/17/2024	1726305.29	6452805.61	19.80	New Pt								
KC26	4/17/2024	1726729.53	6452427.12	24.74	New Pt								
KC27	4/17/2024	1726835.66	6452220.95	21.28	New Pt								
KC28	4/17/2024	1726777.80	6451999.91	19.94	New Pt								
KC29	4/17/2024	1726934.43	6451937.63	17.90	New Pt								
KC30	4/17/2024	1727544.05	6452146.51	100.25	New Pt								
KC31	4/17/2024	1727924.93	6452358.21	207.50	New Pt								
PB04	11/30/1994	1727675.94	6448851.74	170.52	1727667.25	6448849.17	167.49	-8.69	-2.57	-3.03	196	9.06	
PB06	3/15/1995	1727968.45	6449761.84	183.06	1727941.12	6449758.81	178.25	-27.33	-3.03	-4.81	186	27.50	
PB07	3/14/1995	1728175.93	6450219.76	200.21	1728141.60	6450213.44	198.02	-34.32	-6.32	-2.19	190	34.90	
PB08	12/1/1994	1728237.51	6450469.80	193.68	1728204.81	6450463.98	194.09	-32.70	-5.82	0.41	190	33.21	
PB09	11/30/1994	1728288.58	6450851.02	192.52	1728252.20	6450849.11	189.84	-36.38	-1.91	-2.68	183	36.43	
PB12	11/30/1994	1728330.49	6451604.57	193.29	1728268.52	6451587.83	186.93	-61.97	-16.74	-6.36	195	64.19	
PB13	3/14/1995	1728085.97	6452164.34	210.54	1728050.44	6452151.18	207.21	-35.53	-13.16	-3.33	200	37.89	
PB18	3/15/1995	1730446.88	6450711.00	367.58	1730431.80	6450719.76	363.24	-15.08	8.77	-4.34	150	17.44	
PB20	3/14/1995	1728812.77	6451135.67	243.54	1728753.50	6451126.52	234.48	-59.27	-9.16	-9.06	189	59.97	
PB21	3/14/1995	1729298.22	6451172.05	280.02	1729249.90	6451177.92	273.29	-48.32	5.87	-6.73	173	48.68	
PB25	12/1/1994	1729702.31	6451985.65	328.99	1729671.12	6451986.48	326.10	-31.19	0.83	-2.89	178	31.20	
PB26	3/14/1995	1729562.65	6452249.56	285.34	1729539.22	6452252.23	282.95	-23.42	2.67	-2.39	174	23.58	
PB27	3/14/1995	1729339.34	6451836.06	284.42	1729257.91	6451842.02	273.51	-81.43	5.96	-10.91	176	81.65	
PB29	3/15/1995	1728888.95	6452120.49	185.93	1728849.86	6452097.03	173.29	-39.08	-23.46	-12.64	211	45.58	
PB53	12/4/1997	1729252.77	6450753.92	297.75	1729224.25	6450754.60	291.85	-28.52	0.67	-5.90	179	28.53	
PB54	12/4/1997	1729694.90	6450448.69	358.62	1729691.38	6450448.62	357.73	-3.52	-0.07	-0.89	181	3.52	
PB55	1/21/1998	1728812.28	6450804.04	246.33	1728782.51	6450801.87	241.07	-29.77	-2.18	-5.26	184	29.85	
PB59	6/26/2001	1727766.36	6448661.67	163.39	1727761.30	6448660.42	160.61	-5.07	-1.24	-2.78	194	5.22	
PB62	9/24/2007	1728476.64	6449717.56	287.25	1728476.64	6449717.56	287.25						
PB63	9/24/2007	1727734.04	6451488.11	126.06	1727734.04	6451488.11	126.06						
PB64	11/18/2009	1727466.29	6450946.95	72.76	Replacement for PB63								
PB65	10/25/2010	1728454.67	6449707.82	287.75	Replacement for PB62								
PB66	9/14/2012	1729197.65	6450969.92	288.33	Replacement for PB53								
PB67	4/7/2014	1727638.73	6450858.18	76.01	Replacement for PB64								
PB68	4/16/2015	1727665.44	6448982.99	173.11	New Pt								
PB69	4/16/2015	1727783.04	6448778.58	164.68	New Pt								
PB70	4/16/2015	1727854.91	6448619.59	156.24	New Pt								
PB71	11/1/2019	1728464.72	6449713.02	287.31	Replacement for PB65								
PB72	10/10/2023	1727650.32	6449341.43	195.89	New Pt								
PB73	10/10/2023	1729995.94	6451649.68	295.40	New Pt								
PB74	10/10/2023	1727539.29	6451692.82	102.28	New Pt								
PB75	10/10/2023	1729083.86	6450351.91	271.90	New Pt								
UB02	7/23/1997	1727581.11	6450133.78	67.15	1727534.46	6450140.57	63.20	-46.66	6.78	-3.95	172	47.15	
PVE3RP	2015	1729195.88	6438764.68	346.88	Reference Frame Check Pt. @ City Hall								
RP01	7/19/2023	1725591.74	6455633.53	292.74	Check Point at Trump Golf Course								
RP02	4/17/2024	1730833.00	6445586.62	480.61	Set Base Station								

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of December 10, 2008

Prepared by McGee Surveying Consulting

FULL ANNUAL MONITORING

Notes:
# Indicates stable points, not moving
* Indicates no signal of horizontal movement detected in the Period
2 = AB05 was hit by mower sometime between 09/07 and 12/08 with an estimated displacement S14E 0.29'. The original position was adjusted here to be relative to the monitored position used presently resulting in correct Overall Movements, see Rpt

	Dec. 10, 2008 Positions			Overall Movements (US Feet)						Periodic (14.5 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Dec. 10, 2008						Sept. 24, 2007 Position to Dec. 10, 2008						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Note	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.54	6445709.63	178.59	-0.05	0.02	-0.03	161	0.05	#	-0.01	-0.01	-0.03	231	0.02	0.02	#
AB02	1726946.99	6447968.68	116.46	0.00	-0.01	-0.02	297	0.01	#	0.00	-0.01	-0.02	297	0.01	0.02	#
AB03	1727338.39	6447818.81	139.58	0.04	-0.01	-0.02	348	0.04	#	0.00	0.00	-0.01	270	0.00	0.02	#
AB04	1728390.43	6447121.92	67.27	-1.56	-1.43	-0.30	222	2.12		-0.12	-0.11	-0.04	222	0.16	0.02	
AB05	1728074.86	6447644.04	80.59	-0.86	-1.13	-0.31	233	1.42	2							2
AB06	1729058.49	6446975.88	164.85	-1.24	-0.38	-0.43	197	1.30		-0.09	-0.03	-0.06	198	0.09	0.02	
AB07	1728981.40	6447357.70	159.34	-1.39	-0.71	-0.58	207	1.56		-0.11	-0.04	-0.06	202	0.12	0.02	
AB12	1729415.57	6448271.26	283.19	-0.92	-0.38	-0.24	203	0.99		-0.10	-0.03	0.00	199	0.11	0.02	
AB13	1729928.17	6448235.89	364.54	-0.73	-0.15	-0.49	192	0.74		-0.08	-0.01	0.00	191	0.08	0.02	
AB15	1730311.56	6448099.30	396.88	-0.53	-0.08	-0.40	189	0.53		-0.08	-0.01	-0.02	188	0.08	0.02	
AB16	1730358.65	6447532.17	376.46	-0.24	0.05	-0.16	168	0.24		-0.05	0.01	0.02	170	0.05	0.02	
AB17	1731421.12	6446727.77	442.79	0.00	0.00	-0.01	194	0.00	#	0.00	0.00	-0.01	194	0.00	0.02	#
AB18	1731602.31	6448187.61	456.91	-0.32	0.11	-0.28	160	0.34		-0.06	0.03	-0.02	155	0.07	0.02	
AB20	1729359.84	6449685.99	396.23	-0.79	-0.28	-0.20	199	0.83		-0.16	-0.04	0.00	195	0.17	0.01	
AB24	1729829.75	6447759.77	335.76	-0.61	-0.19	-0.16	197	0.63		-0.09	-0.04	0.02	205	0.10	0.02	
AB50	1728084.66	6448247.47	181.98	-0.34	-0.71	0.00	245	0.79		-0.05	-0.07	-0.05	235	0.08	0.02	
AB51	1729616.65	6447306.51	305.26	-0.36	-0.03	-0.16	185	0.36		-0.09	-0.01	0.01	190	0.09	0.02	
AB52	1730015.70	6448624.32	368.38	-0.40	-0.12	-0.23	196	0.42		-0.10	-0.03	-0.01	200	0.10	0.03	
AB53	1730430.62	6449712.30	352.90	-0.49	-0.07	-0.23	188	0.50		-0.15	-0.03	0.00	189	0.15	0.03	
AB54	1731111.93	6447047.87	407.30	-0.01	0.00	-0.01	165	0.01	*	-0.01	0.00	-0.01	165	0.01	0.03	*
AB55	1731174.72	6447753.58	405.39	-0.05	0.01	0.01	166	0.05		-0.05	0.01	0.01	166	0.05	0.02	
AB56	1732214.21	6448545.49	571.64	-0.10	0.03	-0.01	161	0.11		-0.10	0.03	-0.01	161	0.11	0.02	
AB57	1731926.78	6449759.40	564.90	-0.13	0.03	-0.03	166	0.13		-0.13	0.03	-0.03	166	0.13	0.02	
AB58	1731117.90	6449074.93	405.65	-0.12	0.00	-0.02	178	0.12		-0.12	0.00	-0.02	178	0.12	0.02	
AB59	1730850.70	6450212.53	434.35	-0.17	-0.02	-0.02	188	0.17		-0.17	-0.02	-0.02	188	0.17	0.02	
AB60	1729089.63	6447987.54	179.39	-0.08	-0.03	-0.06	200	0.08		-0.08	-0.03	-0.06	200	0.08	0.02	
AB61	1727424.49	6447990.27	140.43	-0.01	0.01	-0.04	114	0.01	*	-0.01	0.01	-0.04	114	0.01	0.00	#
BB25	1727200.25	6449932.58	4.15	-0.29	-0.16	0.34	208	0.33		0.00	-0.15	0.03	269	0.15	0.02	
BB52	1726996.24	6451384.35	3.83	-0.12	-0.03	0.00	194	0.13		-0.12	-0.03	0.00	194	0.13	0.02	
BB53	Destroyed															
CR07	1731628.24	6451203.32	632.36	-0.54	0.13	-0.92	166	0.55		-0.13	0.03	-0.12	168	0.13	0.02	
CR50	1733013.62	6451037.38	872.71	0.01	0.01	0.05	45	0.01		0.01	0.01	0.05	45	0.01	0.02	*
CR51	1733062.02	6452361.86	976.24	-0.01	0.00	-0.01	171	0.01		-0.01	0.00	-0.01	171	0.01	0.02	*
CR52	1732867.58	6450239.31	779.64	0.00	-0.01	0.01	258	0.01		0.00	-0.01	0.01	258	0.01	0.02	*
FT06	1729855.42	6452760.17	488.97	-0.19	-0.04	-0.09	192	0.19		-0.19	-0.04	-0.09	192	0.19	0.03	
FT07	1729253.01	6454104.39	588.99	-0.23	-0.36	-0.02	237	0.43		-0.23	-0.36	-0.02	237	0.43	0.02	
FT08	1729388.67	6453350.53	658.47	-0.01	0.02	0.03	114	0.02		-0.01	0.02	0.03	114	0.02	0.02	*
KC01	1728476.25	6452457.85	312.38	-0.53	-0.38	-0.50	215	0.66	1	-0.12	-0.06	-0.04	208	0.13	0.02	
KC02	1727002.67	6452118.88	13.72	-0.22	-0.11	-0.12	207	0.25		-0.07	-0.01	-0.02	185	0.07	0.02	
KC04	1727559.42	6452667.06	238.47	-0.14	-0.18	-0.37	233	0.23		-0.04	-0.04	-0.04	223	0.05	0.02	
KC05	1727081.98	6453178.94	227.52	-0.02	-0.15	-0.34	261	0.15		-0.03	0.00	-0.01	180	0.03	0.02	
KC06	1727784.92	6453396.36	299.93	0.01	-0.30	-0.42	273	0.30		-0.01	-0.04	-0.04	252	0.05	0.02	
KC07	1727759.38	6453683.87	313.50	0.18	-0.05	-0.33	346	0.19		0.00	0.02	-0.01	84	0.02	0.02	*
KC13	1726581.12	6453069.62	191.23	-0.04	-0.01	0.03	194	0.04		-0.04	-0.01	0.03	194	0.04	0.02	
KC14	1726742.44	6453806.04	259.91	0.00	-0.02	-0.03	259	0.02	*	0.00	-0.02	-0.03	259	0.02	0.02	*
KC15	1727590.41	6453121.06	287.13	-0.05	-0.04	0.03	220	0.06		-0.05	-0.04	0.03	220	0.06	0.02	
KC16	1727602.24	6454098.24	326.92	-0.01	0.00	0.02	135	0.01	*	-0.01	0.00	0.02	135	0.01	0.02	*
PB04	1727666.83	6448849.07	167.37	-9.10	-2.67	-3.15	196	9.49		-0.41	-0.10	-0.12	194	0.43	0.02	
PB06	1727939.65	6449758.62	177.96	-28.80	-3.22	-5.10	186	28.98		-1.47	-0.18	-0.29	187	1.48	0.02	
PB07	1728139.82	6450213.09	197.88	-36.10	-6.67	-2.33	190	36.72		-1.78	-0.35	-0.14	191	1.82	0.02	
PB08	1728203.20	6450463.68	194.13	-34.31	-6.12	0.45	190	34.85		-1.61	-0.30	0.04	190	1.64	0.02	
PB09	1728250.32	6450848.98	189.58	-38.26	-2.04	-2.94	183	38.31		-1.88	-0.13	-0.26	184	1.88	0.02	
PB12	1728265.36	6451586.81	186.31	-65.13	-17.76	-6.98	195	67.51		-3.16	-1.03	-0.62	198	3.32	0.02	
PB13	1728048.48	6452150.38	207.09	-37.49	-13.96	-3.45	200	40.01		-1.96	-0.80	-0.12	202	2.12	0.02	
PB18	1730431.47	6450719.84	363.18	-15.41	8.85	-4.40	150	17.77		-0.33	0.08	-0.06	166	0.34	0.02	
PB20	1728750.65	6451126.05	233.99	-62.12	-9.63	-9.55	189	62.86		-2.85	-0.47	-0.49	189	2.89	0.02	
PB21	1729247.73	6451178.08	273.02	-50.49	6.03	-7.00	173	50.85		-2.17	0.16	-0.27	176	2.17	0.02	
PB25	1729670.88	6451986.42	326.07	-31.44	0.77	-2.92	179	31.45		-0.25	-0.07	-0.03	195	0.26	0.02	
PB26	1729539.03	6452252.21	282.94	-23.62	2.65	-2.40	174	23.77		-0.20	-0.02	-0.01	187	0.20	0.02	
PB27	1729254.41	6451842.14	272.98	-84.93	6.08	-11.44	176	85.15		-3.50	0.13	-0.53	178	3.50	0.02	
PB29	1728847.75	6452096.03	172.60	-41.20	-24.46	-13.33	211	47.91		-2.11	-1.01	-0.69	205	2.34	0.02	
PB53	1729222.48	6450754.60	291.44	-30.28	0.68	-6.31	179	30.29		-1.76	0.00	-0.41	180	1.76	0.02	
PB54	1729691.20	6450448.58	357.73	-3.70	-0.11	-0.89	182	3.70		-0.18	-0.04	0.00	193	0.18	0.02	
PB55	1728780.51	6450801.66	240.62	-31.77	-2.38	-5.71	184	31.86		-2.01	-0.21	-0.45	186	2.02	0.03	
PB59	1727760.70	6448660.28	160.34	-5.66	-1.39	-3.05	194	5.83		-0.59	-0.15	-0.27	194	0.61	0.02	
PB62	1728476.42	6449717.52	287.22	-0.21	-0.04	-0.03	192	0.22		-0.21	-0.04	-0.03	192	0.22	0.02	
PB63	1727724.58	6451485.79	121.78	-9.45	-2.32	-4.28	194	9.73		-9.45	-2.32	-4.28	194	9.73	0.02	
UB02	1727530.48	6450141.10	63.00	-50.63	7.31	-4.15	172	51.16		-3.97	0.53	-0.20	172	4.01	0.02	

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FULL ANNUAL MONITORING

Notes:

# Indicates stable points, not moving

* Indicates no signal of horizontal movement detected in the Period

	Nov. 18, 2009 Positions			Overall Movements (US Feet)						Periodic (11.3 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Nov. 18, 2009						Dec. 10, 2008 Position to Nov. 18, 2009						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Note	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.54	6445709.62	178.540	-0.04	0.01	-0.08	167	0.04		0.00	-0.01	-0.05	304	0.01	0.02	#
AB02	1726946.97	6447968.68	116.460	-0.02	0.00	-0.02	198	0.02	*	-0.02	0.00	0.00	171	0.02	0.02	#
AB03	1727338.38	6447818.82	139.570	0.04	0.00	-0.03	4	0.04		-0.01	0.01	-0.01	117	0.01	0.02	#
AB04	1728390.36	6447121.86	67.250	-1.63	-1.48	-0.32	222	2.20		-0.07	-0.05	-0.02	217	0.09	0.02	
AB05	1728074.78	6447643.96	80.570	-0.94	-1.21	-0.33	232	1.53		-0.08	-0.08	-0.02	226	0.11	0.02	
AB06	1729058.43	6446975.87	164.840	-1.31	-0.39	-0.44	197	1.36		-0.06	-0.01	-0.01	191	0.06	0.02	
AB07	1728981.35	6447357.67	159.330	-1.44	-0.74	-0.59	207	1.62		-0.05	-0.03	-0.01	207	0.06	0.02	
AB12	1729415.50	6448271.24	283.190	-0.98	-0.41	-0.24	203	1.07		-0.07	-0.03	0.00	202	0.07	0.02	
AB13	1729928.13	6448235.87	364.540	-0.77	-0.16	-0.49	192	0.78		-0.04	-0.02	0.00	201	0.04	0.02	
AB15	1730311.51	6448099.30	396.880	-0.57	-0.08	-0.40	188	0.58		-0.05	0.00	0.00	180	0.05	0.03	
AB16	1730358.64	6447532.17	376.450	-0.25	0.04	-0.17	170	0.25		-0.01	-0.01	-0.01	203	0.02	0.02	*
AB17	1731421.11	6446727.77	442.800	-0.01	0.00	0.00	186	0.01	*	0.00	0.00	0.01	180	0.00	0.02	#
AB18	1731602.26	6448187.60	456.870	-0.36	0.11	-0.32	163	0.38		-0.04	-0.01	-0.04	189	0.04	0.03	
AB20	1729359.78	6449685.97	396.230	-0.85	-0.30	-0.20	199	0.90		-0.06	-0.02	0.00	200	0.06	0.01	
AB24	1729829.68	6447759.75	335.760	-0.67	-0.21	-0.16	197	0.70		-0.06	-0.02	0.00	198	0.07	0.02	
AB50	1728084.64	6448247.44	182.000	-0.36	-0.74	0.02	244	0.83		-0.02	-0.03	0.02	238	0.04	0.02	
AB51	1729616.60	6447306.48	305.250	-0.41	-0.06	-0.17	188	0.41		-0.04	-0.02	-0.01	208	0.05	0.02	
AB52	1730015.65	6448624.32	368.350	-0.45	-0.12	-0.26	195	0.47		-0.05	0.00	-0.03	181	0.05	0.03	
AB53	1730430.55	6449712.28	352.890	-0.55	-0.09	-0.24	189	0.56		-0.06	-0.02	-0.01	198	0.06	0.03	
AB54	1731111.92	6447047.87	407.360	-0.03	0.00	0.05	178	0.03	*	-0.02	0.00	0.06	187	0.02	0.03	*
AB55	1731174.68	6447753.58	405.390	-0.09	0.02	0.01	169	0.09		-0.04	0.01	0.00	171	0.04	0.02	
AB56	1732214.16	6448545.51	571.690	-0.15	0.05	0.04	162	0.16		-0.05	0.02	0.05	164	0.05	0.02	
AB57	1731926.73	6449759.41	564.860	-0.18	0.04	-0.07	166	0.18		-0.05	0.01	-0.04	167	0.05	0.02	
AB58	1731117.85	6449074.94	405.640	-0.17	0.01	-0.03	175	0.17		-0.05	0.01	-0.01	168	0.05	0.02	
AB59	1730850.64	6450212.52	434.340	-0.23	-0.03	-0.03	188	0.23		-0.06	-0.01	-0.01	190	0.06	0.02	
AB60	1729089.58	6447987.53	179.390	-0.12	-0.04	-0.06	199	0.13		-0.04	-0.01	0.00	196	0.05	0.02	
AB61	1727424.49	6447990.27	140.420	-0.01	0.01	-0.05	128	0.02	*	0.00	0.00	-0.01	158	0.01	0.00	#
BB25	1727200.19	6449932.57	4.210	-0.35	-0.16	0.40	204	0.39		-0.06	0.00	0.06	183	0.06	0.02	
BB52	1726996.18	6451384.34	3.860	-0.18	-0.04	0.03	193	0.19		-0.06	-0.01	0.03	191	0.06	0.02	
CR07	1731628.18	6451203.34	632.390	-0.60	0.15	-0.89	166	0.62		-0.06	0.02	0.03	161	0.07	0.02	
CR50	1733013.61	6451037.39	872.690	-0.01	0.01	0.03	118	0.01		-0.01	0.00	-0.02	162	0.02	0.02	*
CR51	1733062.01	6452361.87	976.220	-0.02	0.01	-0.03	155	0.03		-0.01	0.01	-0.02	143	0.02	0.02	*
CR52	1732867.56	6450239.31	779.730	-0.02	-0.01	0.10	217	0.02	*	-0.01	0.00	0.09	176	0.01	0.03	*
FT06	1729855.34	6452760.16	488.920	-0.27	-0.05	-0.14	191	0.28		-0.08	-0.01	-0.05	189	0.08	0.02	
FT07	1729252.92	6454104.25	588.900	-0.33	-0.51	-0.11	237	0.60		-0.10	-0.14	-0.09	236	0.17	0.02	
FT08	1729388.69	6453350.52	658.480	0.00	0.02	0.04	74	0.02	*	0.01	0.00	0.01	348	0.01	0.03	#
KC01	1728476.18	6452457.81	312.350	-0.60	-0.42	-0.53	215	0.74		-0.07	-0.04	-0.03	209	0.08	0.02	
KC02	1727002.64	6452118.86	13.690	-0.26	-0.13	-0.15	207	0.29		-0.03	-0.02	-0.03	207	0.04	0.02	
KC04	1727559.39	6452667.04	238.450	-0.17	-0.20	-0.39	231	0.27		-0.03	-0.02	-0.02	216	0.04	0.02	
KC05	1727081.97	6453178.92	227.510	-0.03	-0.17	-0.35	259	0.18		-0.01	-0.02	-0.01	244	0.03	0.02	
KC06	1727784.90	6453396.33	299.910	-0.01	-0.33	-0.44	268	0.33		-0.02	-0.03	-0.02	227	0.04	0.03	
KC07	1727759.37	6453683.87	313.470	0.18	-0.05	-0.36	344	0.19		0.00	0.00	-0.03	256	0.00	0.02	*
KC13	1726581.11	6453069.63	191.180	-0.04	-0.01	-0.02	188	0.04		-0.01	0.00	-0.05	153	0.01	0.02	*
KC14	1726742.43	6453806.03	259.920	-0.01	-0.03	-0.02	253	0.03	*	0.00	-0.01	0.01	247	0.01	0.02	*
KC15	1727590.38	6453121.03	287.090	-0.07	-0.06	-0.01	222	0.09		-0.02	-0.02	-0.04	226	0.03	0.03	
KC16	1727602.24	6454098.24	326.870	-0.01	0.00	-0.03	159	0.01	*	0.00	0.00	-0.05	214	0.00	0.02	#
PB04	1727666.56	6448848.99	167.310	-9.38	-2.75	-3.21	196	9.77		-0.27	-0.07	-0.06	195	0.28	0.02	
PB06	1727938.80	6449758.52	177.820	-29.65	-3.32	-5.24	186	29.83		-0.85	-0.10	-0.14	187	0.85	0.02	
PB07	1728138.83	6450212.89	197.800	-37.09	-6.86	-2.41	190	37.72		-0.99	-0.19	-0.08	191	1.01	0.02	
PB08	1728202.31	6450463.52	194.120	-35.20	-6.28	0.44	190	35.75		-0.89	-0.16	-0.01	190	0.90	0.02	
PB09	1728249.30	6450848.91	189.460	-39.28	-2.11	-3.06	183	39.34		-1.02	-0.07	-0.12	184	1.02	0.02	
PB12	1728263.70	6451586.25	185.940	-66.79	-18.32	-7.35	195	69.25		-1.66	-0.55	-0.37	199	1.75	0.02	
PB13	1728047.43	6452149.98	206.980	-38.54	-14.36	-3.56	200	41.13		-1.05	-0.41	-0.11	201	1.12	0.02	
PB18	1730431.35	6450719.86	363.140	-15.53	8.87	-4.44	150	17.89		-0.12	0.02	-0.04	170	0.12	0.02	
PB20	1728749.18	6451125.82	233.690	-63.59	-9.86	-9.85	189	64.35		-1.47	-0.23	-0.30	189	1.49	0.02	
PB21	1729246.60	6451178.17	272.840	-51.62	6.12	-7.18	173	51.98		-1.13	0.09	-0.18	175	1.14	0.02	
PB25	1729670.78	6451986.39	326.040	-31.53	0.74	-2.95	179	31.54		-0.09	-0.02	-0.03	194	0.10	0.02	
PB26	1729538.93	6452252.19	282.930	-23.71	2.63	-2.41	174	23.86		-0.09	-0.02	-0.01	190	0.10	0.02	
PB27	1729252.59	6451842.20	272.730	-86.75	6.14	-11.69	176	86.97		-1.82	0.06	-0.25	178	1.82	0.03	
PB29	1728846.62	6452095.51	172.230	-42.32	-24.98	-13.70	211	49.15		-1.13	-0.52	-0.37	205	1.24	0.02	
PB53	1729221.54	6450754.61	291.200	-31.22	0.68	-6.55	179	31.23		-0.94	0.01	-0.24	180	0.94	0.03	
PB54	1729691.12	6450448.57	357.710	-3.78	-0.12	-0.91	182	3.78		-0.08	-0.01	-0.02	188	0.08	0.02	
PB55	1728779.41	6450801.58	240.500	-32.87	-2.47	-5.83	184	32.97		-1.10	-0.08	-0.12	184	1.10	0.03	
PB59	1727760.31	6448660.19	160.160	-6.05	-1.48	-3.23	194	6.23		-0.39	-0.09	-0.18	193	0.40	0.02	
PB62	1728476.31	6449717.49	287.200	-0.32	-0.07	-0.05	192	0.33		-0.11	-0.02	-0.02	193	0.11	0.02	
PB63	1727717.72	6451483.29	116.990	-16.31	-4.82	-9.07	196	17.01		-6.86	-2.50	-4.79	200	7.30	0.02	
PB64	1727466.29	6450946.95	72.760	Replacement for PB63												
UB02	1727527.87	6450141.46	62.920	-53.24	7.67	-4.23	172	53.79		-2.61	0.36	-0.08	172	2.64	0.02	

Prepared by McGee Surveying Consulting

FULL ANNUAL MONITORING

Notes:
* Indicates no signal of horizontal movement detected in the Period

	Oct. 25, 2010 Positions			Overall Movements (US Feet)						Periodic (11.1 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Oct. 25, 2010						Nov. 18, 2009 Position to Oct. 25, 2010						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.*	Dist.	Note	North	East	Height	Azim.*	Dist.	95%Err	Note
AB01	1729427.53	6445709.61	178.52	-0.05	-0.01	-0.10	187	0.05		-0.01	-0.02	-0.02	241	0.02	0.03	*
AB02	1726946.97	6447968.66	116.45	-0.02	-0.03	-0.03	243	0.03	*	0.00	-0.02	-0.01	270	0.02	0.02	*
AB03	Discontinued															
AB04	1728390.27	6447121.79	67.25	-1.72	-1.56	-0.32	222	2.32		-0.09	-0.08	0.00	220	0.12	0.02	
AB05	1728074.67	6447643.89	80.53	-1.05	-1.28	-0.37	231	1.66		-0.12	-0.07	-0.04	211	0.14	0.03	
AB06	1729058.36	6446975.83	164.82	-1.37	-0.43	-0.46	197	1.44		-0.07	-0.03	-0.02	207	0.07	0.03	
AB07	1728981.28	6447357.64	159.31	-1.51	-0.77	-0.61	207	1.70		-0.07	-0.03	-0.02	207	0.08	0.03	
AB12	1729415.46	6448271.20	283.20	-1.03	-0.44	-0.23	203	1.12		-0.04	-0.04	0.01	219	0.06	0.02	
AB13	1729928.09	6448235.85	364.53	-0.81	-0.19	-0.50	193	0.83		-0.04	-0.02	-0.01	208	0.05	0.02	
AB15	1730311.47	6448099.25	396.86	-0.62	-0.14	-0.42	192	0.63		-0.04	-0.05	-0.02	232	0.07	0.02	
AB16	1730358.61	6447532.16	376.46	-0.28	0.03	-0.16	173	0.28		-0.03	-0.01	0.01	197	0.03	0.03	*
AB17	1731421.10	6446727.76	442.80	-0.02	-0.01	0.00	205	0.02		-0.01	-0.01	0.00	217	0.01	0.02	*
AB18	1731602.22	6448187.61	456.82	-0.40	0.12	-0.37	164	0.42		-0.04	0.01	-0.05	165	0.04	0.03	
AB20	1729359.72	6449685.94	396.23	-0.90	-0.32	-0.20	200	0.96		-0.06	-0.02	0.00	203	0.06	0.01	
AB24	1729829.65	6447759.73	335.77	-0.71	-0.23	-0.15	198	0.75		-0.04	-0.02	0.01	212	0.04	0.02	
AB50	1728084.62	6448247.38	182.00	-0.38	-0.80	0.02	244	0.89		-0.02	-0.06	0.00	247	0.06	0.03	
AB51	1729616.56	6447306.49	305.24	-0.45	-0.05	-0.18	186	0.45		-0.05	0.01	-0.01	172	0.05	0.02	
AB52	1730015.61	6448624.30	368.38	-0.49	-0.14	-0.23	196	0.51		-0.04	-0.02	0.03	209	0.04	0.04	
AB53	1730430.49	6449712.26	352.91	-0.61	-0.11	-0.22	190	0.62		-0.06	-0.02	0.02	196	0.07	0.03	
AB54	1731111.92	6447047.87	407.34	-0.02	0.00	0.03	182	0.02		0.00	0.00	-0.02	326	0.00	0.04	*
AB55	1731174.66	6447753.58	405.40	-0.11	0.02	0.02	171	0.11		-0.02	0.00	0.01	183	0.02	0.02	*
AB56	1732214.12	6448545.51	571.63	-0.19	0.05	-0.02	165	0.20		-0.04	0.00	-0.06	179	0.04	0.03	
AB57	1731926.67	6449759.42	564.92	-0.23	0.06	-0.01	165	0.24		-0.05	0.01	0.06	164	0.06	0.03	
AB58	1731117.80	6449074.93	405.69	-0.22	0.00	0.02	180	0.22		-0.05	-0.01	0.05	196	0.05	0.03	
AB59	1730850.56	6450212.51	434.35	-0.31	-0.04	-0.02	188	0.31		-0.08	-0.01	0.01	185	0.08	0.03	
AB60	1729089.53	6447987.50	179.42	-0.17	-0.07	-0.03	201	0.18		-0.05	-0.02	0.03	207	0.06	0.02	
AB61	1727424.48	6447990.27	140.47	-0.02	0.01	0.00	150	0.02	*	-0.01	0.00	0.05	193	0.01	0.00	*
BB25	Discontinued															
BB52	1726996.13	6451384.34	3.85	-0.23	-0.04	0.02	190	0.24		-0.05	0.00	-0.01	180	0.05	0.03	
BB53	Destroyed															
CR07	1731628.12	6451203.32	632.33	-0.66	0.13	-0.95	169	0.67		-0.06	-0.02	-0.06	202	0.06	0.03	
CR50	1733013.59	6451037.37	872.67	-0.03	0.00	0.01	184	0.03		-0.02	-0.02	-0.02	217	0.03	0.02	
CR51	1733062.01	6452361.88	976.18	-0.02	0.02	-0.07	144	0.03		0.00	0.01	-0.04	98	0.01	0.03	*
CR52	1732867.55	6450239.31	779.65	-0.03	-0.01	0.02	207	0.03	*	-0.01	0.00	-0.08	186	0.01	0.03	*
FT06	1729855.25	6452760.13	488.89	-0.35	-0.08	-0.17	193	0.36		-0.08	-0.03	-0.03	199	0.09	0.02	
FT07	1729252.76	6454104.00	588.85	-0.49	-0.75	-0.16	237	0.90		-0.16	-0.25	-0.05	237	0.30	0.03	
FT08	1729388.66	6453350.51	658.43	-0.02	0.00	-0.01	166	0.02	*	-0.02	-0.01	-0.05	206	0.03	0.03	*
KC01	1728476.12	6452457.77	312.38	-0.67	-0.46	-0.50	215	0.81		-0.06	-0.04	0.03	216	0.07	0.02	
KC02	1727002.62	6452118.86	13.72	-0.28	-0.14	-0.12	206	0.31		-0.02	-0.01	0.03	197	0.02	0.03	*
KC04	1727559.36	6452667.01	238.44	-0.20	-0.23	-0.40	228	0.30		-0.03	-0.02	-0.01	215	0.04	0.03	
KC05	1727081.96	6453178.92	227.47	-0.04	-0.17	-0.39	256	0.18		-0.01	0.00	-0.04	180	0.01	0.03	*
KC06	1727784.89	6453396.32	299.89	-0.02	-0.35	-0.46	266	0.35		-0.01	-0.02	-0.02	233	0.02	0.03	*
KC07	1727759.39	6453683.87	313.47	0.19	-0.04	-0.36	347	0.20		0.01	0.01	0.00	32	0.01	0.03	*
KC13	1726581.08	6453069.61	191.18	-0.07	-0.02	-0.02	195	0.08		-0.03	-0.01	0.00	204	0.03	0.02	
KC14	1726742.43	6453806.02	259.89	-0.01	-0.03	-0.05	258	0.03	*	0.00	0.00	-0.03	333	0.00	0.04	*
KC15	1727590.38	6453121.02	287.10	-0.07	-0.07	0.00	227	0.10		0.00	-0.01	0.01	265	0.01	0.03	*
KC16	1727602.23	6454098.24	326.88	-0.02	0.01	-0.02	148	0.02	*	-0.01	0.01	0.01	139	0.01	0.02	*
PB04	1727665.94	6448848.86	167.11	-9.99	-2.88	-3.41	196	10.40		-0.62	-0.13	-0.20	192	0.63	0.03	
PB06	1727937.25	6449758.35	177.58	-31.19	-3.49	-5.48	186	31.39		-1.55	-0.17	-0.24	186	1.56	0.03	
PB07	1728137.00	6450212.58	197.66	-38.93	-7.18	-2.55	190	39.58		-1.83	-0.32	-0.14	190	1.86	0.03	
PB08	1728200.66	6450463.24	194.16	-36.85	-6.56	0.48	190	37.43		-1.65	-0.28	0.04	190	1.67	0.03	
PB09	1728247.35	6450848.79	189.24	-41.23	-2.24	-3.28	183	41.29		-1.95	-0.13	-0.22	184	1.95	0.03	
PB12	1728260.50	6451585.29	185.30	-69.99	-19.28	-7.99	195	72.60		-3.20	-0.96	-0.64	197	3.35	0.03	
PB13	1728045.47	6452149.17	206.87	-40.50	-15.17	-3.67	201	43.25		-1.96	-0.81	-0.11	202	2.12	0.03	
PB18	1730431.24	6450719.88	363.10	-15.64	8.89	-4.48	150	17.99		-0.11	0.02	-0.04	169	0.11	0.02	
PB20	1728746.32	6451125.33	233.20	-66.45	-10.35	-10.34	189	67.25		-2.86	-0.49	-0.49	190	2.91	0.04	
PB21	1729244.44	6451178.35	272.60	-53.78	6.30	-7.42	173	54.14		-2.15	0.18	-0.24	175	2.16	0.03	
PB25	1729670.68	6451986.36	326.01	-31.64	0.71	-2.98	179	31.64		-0.10	-0.03	-0.03	196	0.11	0.02	
PB26	1729538.86	6452252.16	282.99	-23.79	2.60	-2.35	174	23.93		-0.08	-0.03	0.06	200	0.08	0.03	
PB27	1729249.12	6451842.31	272.17	-90.22	6.25	-12.25	176	90.44		-3.47	0.11	-0.56	178	3.47	0.03	
PB29	1728844.53	6452094.53	171.59	-44.42	-25.96	-14.34	210	51.45		-2.10	-0.97	-0.64	205	2.31	0.03	
PB53	1729219.81	6450754.71	290.67	-32.96	0.78	-7.08	179	32.97		-1.73	0.10	-0.53	177	1.74	0.03	
PB54	1729691.04	6450448.55	357.73	-3.86	-0.13	-0.89	182	3.87		-0.08	-0.02	0.02	191	0.08	0.03	
PB55	1728777.36	6450801.45	240.18	-34.92	-2.59	-6.15	184	35.02		-2.05	-0.13	-0.32	184	2.05	0.04	
PB59	1727759.39	6448659.97	159.70	-6.98	-1.69	-3.69	194	7.18		-0.93	-0.21	-0.47	193	0.95	0.03	
PB62	Destroyed															
PB63	Destroyed															
PB64	1727439.04	6450942.07	69.69	-27.25	-4.88	-3.08	190	27.68		-27.25	-4.88	-3.08	190	27.68	0.03	
PB65	1728454.67	6449707.82	287.75	Replacement for PB62												
UB02	1727522.77	6450142.13	62.75	-58.34	8.34	-4.40	172	58.94		-5.10	0.67	-0.17	173	5.14	0.03	

Prepared by McGee Surveying Consulting

FULL ANNUAL MONITORING

Notes:

* Indicates no signal of horizontal movement detected in the Period

	Oct. 03, 2011 Positions			Overall Movements (US Feet)						Periodic (11.3 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Oct. 03, 2011						Oct. 25, 2010 Position to Oct. 03, 2011						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Note	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.55	6445709.59	178.50	-0.04	-0.02	-0.12	213	0.04		0.02	-0.02	-0.02	313	0.02	0.03	*
AB02	1726946.97	6447968.70	116.45	-0.01	0.01	-0.03	124	0.01		0.01	0.04	0.00	81	0.04	0.02	
AB04	1728390.04	6447121.59	67.21	-1.95	-1.75	-0.36	222	2.62		-0.23	-0.20	-0.03	221	0.30	0.02	
AB05	1728074.57	6447643.73	80.49	-1.15	-1.45	-0.41	232	1.84		-0.09	-0.16	-0.04	240	0.19	0.03	
AB06	1729058.21	6446975.77	164.77	-1.53	-0.49	-0.51	198	1.60		-0.16	-0.06	-0.05	202	0.17	0.03	
AB07	1728981.13	6447357.52	159.24	-1.66	-0.89	-0.68	208	1.88		-0.15	-0.12	-0.06	218	0.19	0.04	
AB12	1729415.28	6448271.12	283.19	-1.21	-0.52	-0.24	203	1.32		-0.18	-0.08	-0.01	204	0.20	0.03	
AB13	1729927.96	6448235.79	364.50	-0.93	-0.25	-0.53	195	0.97		-0.12	-0.06	-0.03	205	0.14	0.03	
AB15	1730311.37	6448099.26	396.87	-0.72	-0.13	-0.41	190	0.73		-0.10	0.01	0.00	174	0.10	0.03	
AB16	1730358.55	6447532.15	376.44	-0.34	0.03	-0.18	175	0.34		-0.06	0.00	-0.02	185	0.06	0.03	
AB17	1731421.09	6446727.74	442.78	-0.03	-0.04	-0.02	228	0.05		-0.01	-0.03	-0.02	246	0.03	0.04	*
AB18	1731602.16	6448187.62	456.84	-0.46	0.13	-0.35	165	0.48		-0.06	0.01	0.01	173	0.06	0.03	
AB20	1729359.56	6449685.89	396.23	-1.07	-0.38	-0.20	200	1.13		-0.16	-0.06	0.00	199	0.17	0.03	
AB24	1729829.52	6447759.68	335.77	-0.84	-0.28	-0.15	198	0.88		-0.13	-0.04	0.01	200	0.13	0.02	
AB50	1728084.56	6448247.27	182.01	-0.44	-0.92	0.03	244	1.02		-0.06	-0.11	0.02	243	0.13	0.03	
AB51	1729616.46	6447306.45	305.17	-0.55	-0.09	-0.25	189	0.56		-0.10	-0.04	-0.07	200	0.11	0.03	
AB52	1730015.49	6448624.26	368.35	-0.61	-0.18	-0.26	197	0.64		-0.12	-0.04	-0.03	200	0.13	0.04	
AB53	1730430.36	6449712.24	352.87	-0.75	-0.13	-0.26	190	0.76		-0.14	-0.02	-0.04	189	0.14	0.03	
AB54	1731111.92	6447047.87	407.31	-0.02	0.01	0.00	164	0.03	*	0.00	0.01	-0.02	97	0.01	0.03	*
AB55	1731174.61	6447753.58	405.37	-0.15	0.02	-0.01	173	0.16		-0.04	0.00	-0.03	179	0.04	0.03	
AB56	1732214.00	6448545.55	571.57	-0.31	0.09	-0.08	164	0.32		-0.12	0.04	-0.06	162	0.12	0.03	
AB57	1731926.54	6449759.46	564.83	-0.37	0.09	-0.10	166	0.38		-0.14	0.03	-0.10	166	0.14	0.03	
AB58	1731117.67	6449074.94	405.64	-0.35	0.00	-0.03	179	0.35		-0.13	0.00	-0.05	178	0.13	0.04	
AB59	1730850.40	6450212.51	434.27	-0.47	-0.05	-0.10	186	0.47		-0.16	-0.01	-0.07	182	0.16	0.03	
AB60	1729089.38	6447987.45	179.39	-0.32	-0.12	-0.06	200	0.34		-0.15	-0.05	-0.03	199	0.16	0.03	
AB61	1727424.48	6447990.26	140.43	-0.02	0.00	-0.04	177	0.02	*	0.00	-0.01	-0.04	259	0.01	0.01	*
AB62	1728910.35	6446925.46	143.01	Replacement for AB06												
AB63	1729059.30	6447307.03	180.84	Replacement for AB07												
BB52	1726995.98	6451384.32	3.89	-0.38	-0.06	0.06	188	0.39		-0.15	-0.01	0.04	185	0.15	0.03	
CR07	1731628.00	6451203.34	632.26	-0.78	0.15	-1.02	169	0.79		-0.12	0.02	-0.07	171	0.12	0.03	
CR50	1733013.59	6451037.37	872.65	-0.03	-0.01	-0.01	197	0.03		0.00	-0.01	-0.02	254	0.01	0.03	*
CR51	1733062.00	6452361.87	976.18	-0.04	0.01	-0.07	164	0.04		-0.01	-0.01	0.00	216	0.01	0.03	*
CR52	1732867.53	6450239.26	779.68	-0.05	-0.06	0.05	232	0.08		-0.02	-0.05	0.02	247	0.05	0.05	
FT06	1729855.05	6452760.09	488.79	-0.55	-0.12	-0.27	192	0.57		-0.20	-0.04	-0.11	191	0.20	0.03	
FT07	1729252.33	6454103.33	588.72	-0.91	-1.42	-0.29	237	1.69		-0.43	-0.67	-0.13	238	0.79	0.03	
FT08	1729388.67	6453350.48	658.45	-0.01	-0.02	0.01	251	0.02	*	0.01	-0.03	0.02	293	0.03	0.02	*
KC01	1728475.98	6452457.69	312.35	-0.80	-0.54	-0.53	214	0.97		-0.14	-0.08	-0.03	211	0.16	0.03	
KC02	1727002.55	6452118.84	13.73	-0.34	-0.16	-0.11	205	0.38		-0.07	-0.02	0.01	199	0.07	0.03	
KC04	1727559.31	6452666.95	238.46	-0.25	-0.29	-0.38	229	0.38		-0.05	-0.06	0.02	230	0.08	0.03	
KC05	1727081.92	6453178.90	227.47	-0.08	-0.19	-0.39	248	0.21		-0.03	-0.02	0.00	210	0.04	0.03	
KC06	1727784.89	6453396.26	299.88	-0.02	-0.41	-0.47	268	0.41		0.01	-0.06	-0.01	277	0.06	0.03	
KC07	1727759.39	6453683.87	313.48	0.20	-0.05	-0.35	346	0.21		0.01	-0.01	0.01	315	0.01	0.03	*
KC13	1726581.05	6453069.58	191.13	-0.11	-0.05	-0.07	206	0.12		-0.04	-0.03	-0.05	222	0.05	0.03	
KC14	1726742.44	6453806.00	259.92	0.00	-0.05	-0.02	271	0.05		0.01	-0.02	0.02	288	0.02	0.03	*
KC15	1727590.34	6453120.97	287.06	-0.11	-0.13	-0.04	229	0.17		-0.04	-0.05	-0.04	233	0.07	0.03	
KC16	1727602.24	6454098.22	326.88	-0.01	-0.01	-0.02	233	0.02	*	0.01	-0.02	0.00	288	0.02	0.03	*
PB04	1727665.23	6448848.66	166.92	-10.71	-3.08	-3.60	196	11.14		-0.71	-0.21	-0.19	196	0.74	0.04	
PB06	1727935.82	6449758.16	177.36	-32.63	-3.68	-5.70	186	32.84		-1.44	-0.20	-0.22	188	1.45	0.04	
PB07	1728135.18	6450212.21	197.54	-40.74	-7.55	-2.67	190	41.44		-1.82	-0.37	-0.12	191	1.86	0.04	
PB08	1728199.00	6450462.93	194.19	-38.50	-6.87	0.51	190	39.11		-1.66	-0.31	0.03	191	1.69	0.04	
PB09	1728245.34	6450848.65	188.99	-43.24	-2.37	-3.53	183	43.30		-2.01	-0.13	-0.25	184	2.01	0.04	
PB12	1728257.11	6451584.30	184.73	-73.38	-20.27	-8.56	195	76.13		-3.39	-0.99	-0.57	196	3.53	0.04	
PB13	1728043.37	6452148.28	206.76	-42.60	-16.06	-3.78	201	45.53		-2.10	-0.89	-0.11	203	2.28	0.03	
PB18	1730430.95	6450719.94	363.04	-15.94	8.95	-4.54	151	18.28		-0.30	0.06	-0.04	169	0.30	0.03	
PB20	1728743.25	6451124.73	232.60	-69.51	-10.95	-10.95	189	70.37		-3.06	-0.60	-0.60	191	3.12	0.04	
PB21	1729242.22	6451178.53	272.35	-55.99	6.48	-7.67	173	56.37		-2.22	0.18	-0.25	175	2.23	0.04	
PB25	1729670.41	6451986.30	326.01	-31.90	0.65	-2.98	179	31.91		-0.27	-0.06	0.01	193	0.28	0.03	
PB26	1729538.62	6452252.15	282.96	-24.02	2.59	-2.38	174	24.16		-0.23	-0.02	-0.03	184	0.23	0.04	
PB27	1729245.47	6451842.40	271.66	-93.87	6.34	-12.76	176	94.09		-3.65	0.09	-0.51	179	3.65	0.06	
PB29	1728842.25	6452093.51	170.88	-46.69	-26.98	-15.05	210	53.93		-2.28	-1.02	-0.71	204	2.49	0.04	
PB53	1729217.92	6450754.81	290.10	-34.85	0.89	-7.65	179	34.86		-1.89	0.10	-0.57	177	1.89	0.05	
PB54	1729690.83	6450448.49	357.73	-4.07	-0.20	-0.89	183	4.08		-0.21	-0.06	0.00	197	0.22	0.03	
PB55	1728775.28	6450801.26	239.73	-37.00	-2.78	-6.60	184	37.11		-2.08	-0.19	-0.45	185	2.09	0.04	
PB59	1727758.34	6448659.68	159.21	-8.02	-1.99	-4.18	194	8.27		-1.04	-0.30	-0.48	196	1.09	0.04	
PB64	1727417.65	6450937.67	67.14	-48.64	-9.27	-5.62	191	49.51		-21.39	-4.40	-2.55	192	21.83	0.04	
PB65	1728454.34	6449707.76	287.70	-0.32	-0.06	-0.05	191	0.33		-0.32	-0.06	-0.05	191	0.33	0.03	
UB02	1727519.20	6450142.56	62.65	-61.91	8.78	-4.51	172	62.53		-3.57	0.44	-0.10	173	3.60	0.04	

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of September 14, 2012
Prepared by McGee Surveying Consulting - Document Date: 09/30/2013
Monitoring Point Movements
FULL ANNUAL MONITORING

Notes:
* Indicates no signal of horizontal movement detected in the Period

	Sept. 14, 2012 Positions			Overall Movements (US Feet)						Periodic (11.4 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to Sept. 14, 2012						Oct. 03, 2011 Position to Sept. 14, 2012						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Asim.°	Dist.	Year	North	East	Height	Asim.°	Dist.	95%Err	Note
AB01	1729427.54	6445709.59	178.54	-0.04	-0.02	-0.08	209	0.05	1994	-0.01	0.00	0.04	180	0.01	0.02	*
AB02	1726946.97	6447968.68	116.47	-0.01	-0.01	-0.01	221	0.01	2007	0.00	-0.02	0.02	270	0.02	0.01	*
AB04	1728389.97	6447121.52	67.21	-2.02	-1.82	-0.36	222	2.72	1994	-0.07	-0.07	-0.01	223	0.10	0.02	
AB05	1728074.51	6447643.66	80.50	-1.21	-1.51	-0.40	231	1.93	1994	-0.06	-0.06	0.01	225	0.09	0.02	
AB12	1729415.22	6448271.10	283.19	-1.27	-0.55	-0.24	203	1.38	1994	-0.06	-0.03	0.01	203	0.07	0.02	
AB13	1729927.91	6448235.78	364.47	-0.99	-0.25	-0.56	194	1.02	1994	-0.05	-0.01	-0.03	188	0.06	0.03	
AB15	1730311.31	6448099.25	396.83	-0.77	-0.13	-0.45	190	0.78	1994	-0.05	0.00	-0.04	183	0.05	0.03	
AB16	1730358.55	6447532.13	376.41	-0.33	0.01	-0.21	179	0.33	1994	0.00	-0.02	-0.03	281	0.02	0.02	*
AB17	1731421.09	6446727.75	442.80	-0.03	-0.02	0.00	219	0.04	2007	0.00	0.01	0.01	72	0.01	0.03	*
AB18	1731602.11	6448187.62	456.86	-0.52	0.13	-0.33	166	0.53	1994	-0.05	0.00	0.02	181	0.05	0.03	
AB20	1729359.49	6449685.87	396.22	-1.13	-0.39	-0.21	199	1.20	1995	-0.07	-0.02	-0.01	194	0.07	0.02	
AB24	1729829.45	6447759.65	335.75	-0.91	-0.31	-0.17	199	0.96	1997	-0.07	-0.04	-0.03	206	0.08	0.02	
AB50	1728084.54	6448247.22	182.03	-0.46	-0.96	0.05	244	1.07	1998	-0.02	-0.05	0.01	246	0.05	0.02	
AB51	1729616.41	6447306.43	305.16	-0.60	-0.11	-0.26	191	0.61	2002	-0.05	-0.02	-0.01	208	0.05	0.02	
AB52	1730015.44	6448624.25	368.33	-0.66	-0.19	-0.28	196	0.68	2002	-0.05	-0.01	-0.02	187	0.05	0.04	
AB53	1730430.28	6449712.23	352.86	-0.82	-0.14	-0.27	190	0.84	2002	-0.07	-0.01	-0.01	191	0.08	0.03	
AB54	1731111.89	6447047.88	407.38	-0.05	0.01	0.07	165	0.06	2007	-0.03	0.01	0.07	166	0.03	0.04	*
AB55	Destroyed															
AB56	1732213.96	6448545.55	571.57	-0.35	0.09	-0.08	165	0.36	2007	-0.04	0.00	0.00	173	0.04	0.02	
AB57	1731926.47	6449759.45	564.78	-0.43	0.09	-0.15	169	0.44	2007	-0.06	-0.01	-0.04	187	0.06	0.02	
AB58	1731117.59	6449074.92	405.65	-0.43	-0.01	-0.02	181	0.43	2007	-0.08	-0.01	0.01	190	0.08	0.04	
AB59	1730850.31	6450212.50	434.26	-0.55	-0.06	-0.11	186	0.56	2007	-0.08	-0.01	-0.02	187	0.09	0.03	
AB60	1729089.34	6447987.41	179.37	-0.36	-0.16	-0.08	204	0.39	2007	-0.04	-0.04	-0.02	226	0.06	0.02	
AB61	1727424.49	6447990.26	140.45	-0.01	0.01	-0.02	145	0.01	2007	0.01	0.01	0.02	29	0.01	0.01	*
AB62	1728910.29	6446925.43	143.02	-0.06	-0.03	0.01	206	0.07	2011	-0.06	-0.03	0.01	206	0.07	0.02	
AB63	1729059.24	6447306.99	180.82	-0.06	-0.04	-0.02	214	0.07	2011	-0.06	-0.04	-0.02	214	0.07	0.02	
AB64	1731830.69	6447373.08	532.25	Replacement for AB54					2012							
AB65	1731705.67	6448264.07	458.53	Replacement for AB18					2012							
AB66	1730047.29	6448490.53	374.28	Replacement for AB52					2012							
AB67	1731180.41	6447741.76	405.33	Replacement for AB55					2012							
AB68	1730258.86	6448055.37	393.45	Replacement for AB15					2012							
BB52	1726995.94	6451384.30	3.87	-0.42	-0.08	0.04	191	0.43	2007	-0.04	-0.03	-0.02	214	0.05	0.03	
CR07	1731627.96	6451203.36	632.17	-0.82	0.17	-1.11	168	0.84	1994	-0.04	0.02	-0.09	153	0.05	0.03	
CR50	1733013.60	6451037.36	872.62	-0.02	-0.01	-0.04	218	0.02	1998	0.01	-0.01	-0.03	336	0.01	0.03	*
CR51	1733062.00	6452361.87	976.15	-0.03	0.01	-0.10	162	0.03	1998	0.01	0.00	-0.03	0	0.01	0.02	*
CR52	1732867.50	6450239.27	779.60	-0.08	-0.05	-0.03	212	0.09	1998	-0.03	0.01	-0.08	161	0.03	0.06	*
CR53	1732780.28	6450224.19	780.72	Replacement for CR52					2012							
FT06	1729854.97	6452760.07	488.72	-0.64	-0.14	-0.34	192	0.65	2007	-0.08	-0.01	-0.07	190	0.08	0.02	
FT07	1729252.18	6454103.12	588.67	-1.06	-1.63	-0.34	237	1.95	2007	-0.15	-0.21	-0.05	235	0.26	0.02	
FT08	1729388.67	6453350.49	658.44	-0.02	-0.01	-0.01	219	0.02	2007	-0.01	0.01	-0.01	122	0.01	0.02	*
KC01	1728475.91	6452457.65	312.34	-0.87	-0.58	-0.54	213	1.05	1994	-0.07	-0.03	-0.01	205	0.08	0.02	
KC02	1727002.51	6452118.83	13.73	-0.39	-0.16	-0.11	203	0.42	1995	-0.04	0.00	0.00	185	0.04	0.02	
KC04	1727559.28	6452666.96	238.43	-0.29	-0.28	-0.41	225	0.40	1995	-0.04	0.00	-0.03	178	0.04	0.02	
KC05	1727081.89	6453178.89	227.49	-0.11	-0.20	-0.37	242	0.23	1994	-0.03	-0.01	0.02	196	0.03	0.02	
KC06	1727784.85	6453396.22	299.88	-0.06	-0.45	-0.47	263	0.45	1994	-0.04	-0.04	0.00	228	0.06	0.02	
KC07	1727759.39	6453683.85	313.49	0.20	-0.06	-0.34	342	0.21	1994	0.00	-0.01	0.01	278	0.01	0.03	*
KC13	1726581.02	6453069.58	191.10	-0.14	-0.05	-0.10	201	0.15	2007	-0.03	0.00	-0.03	182	0.03	0.02	
KC14	1726742.42	6453805.98	259.91	-0.02	-0.07	-0.03	252	0.08	2007	-0.03	-0.02	-0.01	224	0.03	0.02	
KC15	1727590.32	6453120.95	287.06	-0.13	-0.14	-0.04	227	0.20	2007	-0.02	-0.02	0.00	216	0.03	0.02	
KC16	1727602.23	6454098.23	326.87	-0.01	0.00	-0.03	180	0.01	2007	0.00	0.01	-0.01	113	0.01	0.03	*
KC17	1727302.76	6453026.42	215.25	Replacement for KC04					2012							
PB04	1727664.82	6448848.57	166.81	-11.12	-3.17	-3.71	196	11.56	1994	-0.41	-0.09	-0.12	192	0.42	0.04	
PB06	1727934.92	6449758.07	177.24	-33.52	-3.77	-5.82	186	33.73	1995	-0.89	-0.09	-0.12	186	0.90	0.03	
PB07	1728134.07	6450211.98	197.49	-41.85	-7.78	-2.72	191	42.57	1995	-1.11	-0.23	-0.05	192	1.13	0.03	
PB08	1728197.95	6450462.75	194.24	-39.56	-7.05	0.56	190	40.18	1994	-1.05	-0.18	0.05	190	1.07	0.03	
PB09	1728244.01	6450848.59	188.79	-44.57	-2.44	-3.74	183	44.64	1994	-1.33	-0.07	-0.20	183	1.33	0.03	
PB12	1728254.64	6451583.54	184.21	-75.85	-21.03	-9.08	195	78.71	1994	-2.47	-0.76	-0.53	197	2.59	0.03	
PB13	1728041.82	6452147.64	206.67	-44.15	-16.70	-3.87	201	47.20	1995	-1.55	-0.64	-0.10	202	1.67	0.02	
PB18	1730430.87	6450719.92	363.01	-16.01	8.93	-4.57	151	18.33	1995	-0.07	-0.02	-0.03	197	0.08	0.03	
PB20	1728741.10	6451124.30	232.16	-71.67	-11.38	-11.38	189	72.56	1995	-2.15	-0.43	-0.44	191	2.20	0.03	
PB21	1729240.85	6451178.60	272.17	-57.37	6.55	-7.85	173	57.74	1995	-1.38	0.07	-0.18	177	1.38	0.03	
PB25	1729670.31	6451986.28	325.97	-32.00	0.63	-3.02	179	32.01	1994	-0.10	-0.02	-0.04	192	0.10	0.03	
PB26	1729538.54	6452252.11	282.93	-24.11	2.55	-2.41	174	24.24	1995	-0.09	-0.03	-0.03	202	0.09	0.04	
PB27	1729242.88	6451842.42	271.21	-96.46	6.36	-13.21	176	96.67	1995	-2.58	0.02	-0.45	180	2.58	0.06	
PB29	1728840.65	6452092.79	170.41	-48.30	-27.70	-15.52	210	55.67	1995	-1.60	-0.72	-0.48	204	1.76	0.03	
PB53	1729216.82	6450754.85	289.90	-35.95	0.93	-7.85	179	35.96	1997	-1.10	0.04	-0.20	178	1.10	0.05	
PB54	1729690.75	6450448.48	357.70	-4.15	-0.21	-0.92	183	4.15	1997	-0.07	-0.01	-0.02	191	0.08	0.02	
PB55	1728774.00	6450801.18	239.55	-38.28	-2.86	-6.78	184	38.39	1998	-1.28	-0.08	-0.18	183	1.28	0.03	
PB59	1727757.70	6448659.52	158.92	-8.66	-2.15	-4.47	194	8.93	2001	-0.64	-0.16	-0.29	194	0.66	0.03	
PB64	1727394.56	6450932.96	63.68	-71.73	-13.99	-9.08	191	73.08	2009	-23.09	-4.72	-3.46	192	23.57	0.03	
PB65	1728454.20	6449707.73	287.69	-0.47	-0.09	-0.06	191	0.47	2010	-0.14	-0.03	-0.01	191	0.14	0.02	
PB66	1729197.647	6450969.92	288.33	Replacement for PB53					2012							
UB02	1727517.18	6450142.82	62.66	-63.94	9.03	-4.49	172	64.57	1997	-2.02	0.26	0.01	173	2.04	0.03	

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of October 4, 2013
Prepared by McGee Surveying Consulting - Document Date: 12/18/2013
Monitoring Point Movements
FULL ANNUAL MONITORING

Notes:
* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	October 4, 2013 Positions			Overall Movements (US Feet)						Periodic (12.7 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 4, 2013						Sept. 14, 2012 Position to October 4, 2013						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.56	6445709.60	178.51	-0.02	-0.01	-0.11	206	0.03	1994	0.02	0.01	-0.03	33	0.02	0.02	*
AB02	1726946.99	6447968.69	116.45	0.01	0.01	-0.03	34	0.01	2007	0.02	0.01	-0.02	37	0.02	0.02	*
AB04	1728389.95	6447121.51	67.16	-2.04	-1.84	-0.41	222	2.75	1994	-0.02	-0.02	-0.04	223	0.03	0.02	
AB05	1728074.49	6447643.63	80.46	-1.23	-1.54	-0.44	231	1.97	1994	-0.02	-0.04	-0.04	237	0.04	0.02	
AB12	1729415.18	6448271.06	283.16	-1.30	-0.58	-0.27	204	1.43	1994	-0.04	-0.03	-0.03	223	0.05	0.02	
AB13	1729927.87	6448235.79	364.46	-1.03	-0.25	-0.57	194	1.06	1994	-0.04	0.00	-0.01	177	0.04	0.02	
AB16	1730358.54	6447532.13	376.39	-0.35	0.00	-0.23	180	0.35	1994	-0.02	-0.01	-0.02	202	0.02	0.03	*
AB17	1731421.10	6446727.74	442.81	-0.02	-0.04	0.01	237	0.04	2007	0.01	-0.01	0.01	293	0.01	0.03	*
AB20	1729359.40	6449685.84	396.20	-1.22	-0.42	-0.23	199	1.29	1995	-0.09	-0.03	-0.02	197	0.10	0.01	
AB24	1729829.42	6447759.63	335.73	-0.94	-0.33	-0.19	200	1.00	1997	-0.03	-0.02	-0.02	217	0.04	0.02	
AB50	1728084.51	6448247.18	182.00	-0.49	-1.00	0.02	244	1.11	1998	-0.02	-0.04	-0.02	237	0.04	0.02	
AB51	1729616.40	6447306.45	305.14	-0.61	-0.09	-0.28	189	0.62	2002	-0.01	0.02	-0.02	122	0.03	0.02	
AB53	1730430.21	6449712.24	352.86	-0.90	-0.13	-0.27	188	0.91	2002	-0.08	0.01	0.01	173	0.08	0.04	
AB56	1732213.90	6448545.59	571.55	-0.41	0.13	-0.10	162	0.43	2007	-0.06	0.04	-0.01	150	0.07	0.02	
AB57	1731926.41	6449759.48	564.78	-0.50	0.12	-0.15	167	0.51	2007	-0.06	0.03	-0.01	153	0.07	0.02	
AB58	1731117.55	6449074.93	405.68	-0.47	0.00	0.00	180	0.47	2007	-0.04	0.01	0.03	167	0.04	0.05	*
AB59	1730850.22	6450212.49	434.22	-0.65	-0.07	-0.15	186	0.65	2007	-0.10	-0.01	-0.03	186	0.10	0.02	
AB60	1729089.34	6447987.41	179.33	-0.37	-0.16	-0.12	203	0.40	2007	-0.01	0.00	-0.04	166	0.01	0.02	*
AB61	1727424.48	6447990.27	140.42	-0.02	0.01	-0.05	152	0.02	2007	-0.01	0.00	-0.03	164	0.01	0.01	*
AB62	1728910.26	6446925.42	142.98	-0.09	-0.04	-0.03	204	0.10	2011	-0.03	-0.01	-0.04	200	0.03	0.02	
AB63	1729059.22	6447306.97	180.79	-0.08	-0.07	-0.05	218	0.10	2011	-0.02	-0.02	-0.03	229	0.03	0.02	
AB64	1731830.71	6447373.07	532.21	0.02	-0.01	-0.04	321	0.02	2012	0.02	-0.01	-0.04	321	0.02	0.02	*
AB65	1731705.66	6448264.09	458.54	-0.02	0.02	0.00	130	0.03	2012	-0.02	0.02	0.00	130	0.03	0.02	
AB66	1730047.23	6448490.52	374.29	-0.05	-0.01	0.01	186	0.05	2012	-0.05	-0.01	0.01	186	0.05	0.02	
AB67	1731180.40	6447741.76	405.31	-0.01	0.01	-0.01	153	0.01	2012	-0.01	0.01	-0.01	153	0.01	0.02	*
AB68	1730258.84	6448055.36	393.40	-0.02	-0.01	-0.04	204	0.02	2012	-0.02	-0.01	-0.04	204	0.02	0.02	*
BB52	1726995.83	6451384.31	3.91	-0.54	-0.07	0.08	187	0.54	2007	-0.11	0.01	0.04	173	0.11	0.04	
CR07	1731627.89	6451203.35	632.11	-0.89	0.16	-1.17	170	0.91	1994	-0.07	0.00	-0.06	184	0.07	0.02	
CR50	1733013.57	6451037.37	872.64	-0.04	0.00	-0.02	184	0.04	1998	-0.03	0.01	0.02	156	0.03	0.02	
CR51	1733061.99	6452361.88	976.17	-0.04	0.02	-0.08	159	0.04	1998	-0.01	0.01	0.02	149	0.01	0.02	*
CR53	1732780.29	6450224.19	780.73	0.01	0.00	0.00			2012	0.01	0.00	0.00	0	0.01	0.02	*
FT06	1729854.86	6452760.05	488.65	-0.75	-0.16	-0.42	192	0.77	2007	-0.11	-0.02	-0.08	190	0.12	0.02	
FT07	1729252.12	6454102.96	588.63	-1.12	-1.79	-0.38	238	2.11	2007	-0.06	-0.16	-0.04	249	0.17	0.03	
FT08	1729388.67	6453350.51	658.41	-0.02	0.01	-0.03	151	0.02	2007	0.00	0.02	-0.02	93	0.02	0.02	*
KC01	1728475.83	6452457.62	312.28	-0.95	-0.61	-0.60	213	1.13	1994	-0.08	-0.04	-0.05	205	0.09	0.02	
KC02	1727002.47	6452118.84	13.70	-0.42	-0.15	-0.14	200	0.45	1995	-0.03	0.01	-0.02	160	0.04	0.02	
KC05	1727081.89	6453178.88	227.46	-0.11	-0.21	-0.40	242	0.24	1994	-0.01	-0.01	-0.03	240	0.01	0.02	*
KC06	1727784.85	6453396.21	299.85	-0.06	-0.46	-0.50	263	0.46	1994	0.00	-0.01	-0.03	236	0.01	0.02	*
KC07	1727759.41	6453683.86	313.47	0.22	-0.06	-0.36	346	0.23	1994	0.02	0.01	-0.01	22	0.02	0.02	*
KC13	1726580.98	6453069.60	191.06	-0.17	-0.03	-0.14	191	0.18	2007	-0.03	0.02	-0.04	147	0.04	0.02	
KC14	1726742.44	6453806.00	259.90	0.00	-0.05	-0.04	268	0.06	2007	0.02	0.02	-0.01	41	0.03	0.02	?
KC15	1727590.29	6453120.94	287.03	-0.16	-0.16	-0.07	225	0.23	2007	-0.02	-0.02	-0.03	213	0.03	0.02	
KC16	1727602.24	6454098.24	326.88	-0.01	0.01	-0.02	121	0.01	2007	0.01	0.01	0.01	51	0.01	0.02	*
KC17	1727302.74	6453026.41	215.24	-0.02	-0.01	-0.02	216	0.03	2012	-0.02	-0.01	-0.02	216	0.03	0.02	
PB04	1727664.44	6448848.46	166.65	-11.50	-3.28	-3.87	196	11.95	1994	-0.38	-0.11	-0.15	196	0.39	0.03	
PB06	1727934.33	6449757.99	177.13	-34.12	-3.85	-5.93	186	34.34	1995	-0.60	-0.08	-0.11	188	0.60	0.02	
PB07	1728133.26	6450211.82	197.39	-42.67	-7.94	-2.82	191	43.40	1995	-0.81	-0.16	-0.09	191	0.83	0.02	
PB08	1728197.20	6450462.60	194.26	-40.30	-7.19	0.58	190	40.94	1994	-0.75	-0.15	0.02	191	0.76	0.03	
PB09	1728243.00	6450848.55	188.58	-45.58	-2.47	-3.94	183	45.65	1994	-1.01	-0.04	-0.20	182	1.01	0.03	
PB12	1728252.35	6451582.81	183.67	-78.14	-21.76	-9.62	196	81.11	1994	-2.29	-0.73	-0.54	198	2.41	0.02	
PB13	1728040.35	6452147.01	206.52	-45.62	-17.33	-4.02	201	48.80	1995	-1.47	-0.63	-0.15	203	1.60	0.02	
PB18	1730430.78	6450719.92	362.94	-16.11	8.92	-4.64	151	18.41	1995	-0.10	0.00	-0.06	183	0.10	0.02	
PB20	1728739.17	6451123.87	231.72	-73.60	-11.81	-11.82	189	74.54	1995	-1.94	-0.43	-0.44	192	1.98	0.02	
PB21	1729239.78	6451178.72	271.99	-58.44	6.66	-8.03	173	58.82	1995	-1.07	0.12	-0.18	174	1.07	0.02	
PB25	1729670.19	6451986.23	325.94	-32.13	0.58	-3.05	179	32.13	1994	-0.13	-0.05	-0.03	202	0.13	0.01	
PB26	1729538.42	6452252.10	282.89	-24.23	2.54	-2.45	174	24.36	1995	-0.12	-0.01	-0.03	184	0.12	0.02	
PB27	1729240.60	6451842.46	270.83	-98.74	6.39	-13.60	176	98.95	1995	-2.29	0.04	-0.39	179	2.29	0.02	
PB29	1728839.12	6452092.15	169.87	-49.82	-28.34	-16.06	210	57.32	1995	-1.52	-0.64	-0.54	203	1.65	0.03	
PB54	1729690.65	6450448.46	357.73	-4.24	-0.23	-0.89	183	4.25	1997	-0.10	-0.02	0.02	190	0.10	0.03	
PB55	1728772.93	6450801.16	239.47	-39.35	-2.88	-6.86	184	39.46	1998	-1.07	-0.02	-0.08	181	1.07	0.05	
PB59	1727757.09	6448659.36	158.60	-9.28	-2.31	-4.79	194	9.56	2001	-0.61	-0.16	-0.32	195	0.63	0.03	
PB64	1727369.21	6450928.11	56.84	-97.08	-18.83	-15.92	191	98.89	2009	-25.35	-4.84	-6.84	191	25.81	0.05	
PB65	1728454.06	6449707.70	287.66	-0.60	-0.12	-0.09	191	0.62	2010	-0.14	-0.03	-0.03	192	0.14	0.02	
PB66	1729196.66	6450969.95	288.19	-0.99	0.03	-0.13	178	0.99	2012	-0.99	0.03	-0.13	178	0.99	0.02	
UB02	1727516.04	6450142.94	62.62	-65.08	9.16	-4.54	172	65.72	1997	-1.14	0.12	-0.04	174	1.14	0.02	

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Monitoring Point Movements

FULL ANNUAL MONITORING

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	September 19, 2014 Positions			Overall Movements (US Feet)						Periodic (11.5 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to September 19, 2014						October 4, 2013 Position to Sept. 19, 2014						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.54	6445709.57	178.50	-0.04	-0.04	-0.12	226	0.06	1994	-0.02	-0.03	-0.01	242	0.03	0.018	
AB02	1726946.97	6447968.70	116.44	-0.02	0.02	-0.04	135	0.02	2007	-0.02	0.01	-0.01	159	0.03	0.014	
AB04	1728389.94	6447121.49	67.15	-2.05	-1.86	-0.42	222	2.76	1994	-0.01	-0.02	-0.01	248	0.02	0.013	
AB05	1728074.49	6447643.60	80.45	-1.23	-1.57	-0.45	232	1.99	1994	0.01	-0.03	-0.01	283	0.03	0.013	
AB12	1729415.16	6448271.06	283.15	-1.32	-0.58	-0.28	204	1.45	1994	-0.02	0.00	-0.01	180	0.02	0.014	
AB13	1729927.85	6448235.76	364.42	-1.05	-0.28	-0.61	195	1.08	1994	-0.02	-0.02	-0.04	225	0.03	0.014	
AB16	1730358.55	6447532.12	376.38	-0.34	0.00	-0.24	181	0.34	1994	0.01	0.00	-0.01	342	0.01	0.018	*
AB17	1731421.10	6446727.77	442.73	-0.02	-0.01	-0.07	198	0.02	2007	0.00	0.03	-0.08	82	0.03	0.020	
AB20	1729359.38	6449685.82	396.19	-1.25	-0.44	-0.24	200	1.32	1995	-0.02	-0.02	-0.01	224	0.03	0.007	
AB24	1729829.43	6447759.63	335.71	-0.93	-0.33	-0.22	200	0.99	1997	0.01	0.00	-0.02	13	0.01	0.015	*
AB50	1728084.52	6448247.15	181.99	-0.48	-1.03	0.01	245	1.14	1998	0.00	-0.03	-0.02	277	0.03	0.016	
AB51	1729616.36	6447306.42	305.12	-0.65	-0.12	-0.30	190	0.66	2002	-0.03	-0.03	-0.02	218	0.04	0.014	
AB53	1730430.17	6449712.20	352.80	-0.93	-0.17	-0.33	190	0.95	2002	-0.03	-0.04	-0.06	230	0.05	0.023	
AB56	1732213.86	6448545.61	571.53	-0.45	0.15	-0.12	162	0.47	2007	-0.04	0.02	-0.02	155	0.04	0.017	
AB57	1731926.37	6449759.45	564.71	-0.54	0.09	-0.22	171	0.55	2007	-0.04	-0.03	-0.07	214	0.05	0.016	
AB58	1731117.54	6449074.94	405.53	-0.48	0.01	-0.14	179	0.48	2007	-0.01	0.01	-0.14	131	0.01	0.028	*
AB59	1730850.16	6450212.47	434.18	-0.71	-0.08	-0.19	187	0.71	2007	-0.06	-0.01	-0.05	194	0.06	0.014	
AB60	1729089.34	6447987.41	179.31	-0.36	-0.16	-0.14	203	0.39	2007	0.01	0.00	-0.03	8	0.01	0.013	*
AB61	1727424.50	6447990.26	140.41	0.00	0.00	-0.06	63	0.00	2007	0.02	0.00	0.00	345	0.02	0.006	*
AB62	1728910.23	6446925.41	142.96	-0.12	-0.05	-0.05	203	0.13	2011	-0.03	-0.01	-0.02	198	0.03	0.013	
AB63	1729059.18	6447306.96	180.77	-0.12	-0.08	-0.07	212	0.14	2011	-0.04	-0.01	-0.02	197	0.04	0.013	
AB64	1731830.70	6447373.07	532.16	0.01	-0.01	-0.09	310	0.02	2012	-0.01	0.00	-0.05	171	0.01	0.016	*
AB65	1731705.66	6448264.09	458.47	-0.01	0.03	-0.06	113	0.03	2012	0.01	0.01	-0.07	58	0.01	0.014	*
AB66	1730047.23	6448490.52	374.21	-0.05	-0.01	-0.07	194	0.05	2012	0.00	-0.01	-0.08	278	0.01	0.016	*
AB67	1731180.41	6447741.78	405.28	0.00	0.02	-0.05	97	0.02	2012	0.01	0.01	-0.04	56	0.01	0.014	*
AB68	1730258.83	6448055.35	393.41	-0.02	-0.01	-0.04	209	0.03	2012	-0.01	-0.01	0.00	221	0.01	0.014	*
CR07	1731627.83	6451203.37	632.06	-0.95	0.18	-1.22	169	0.96	1994	-0.05	0.01	-0.05	167	0.06	0.016	
CR50	1733013.57	6451037.36	872.60	-0.05	-0.01	-0.06	197	0.05	1998	0.00	-0.01	-0.05	250	0.01	0.015	*
CR51	1733062.00	6452361.87	976.12	-0.04	0.01	-0.13	167	0.04	1998	0.00	-0.01	-0.05	286	0.01	0.014	*
CR53	1732780.30	6450224.19	780.70	0.02	0.00	-0.03			2012	0.01	0.00	-0.03	351	0.01	0.017	*
FT06	1729854.81	6452760.04	488.62	-0.80	-0.17	-0.44	192	0.82	2007	-0.05	-0.01	-0.02	194	0.05	0.014	
FT07	1729252.07	6454102.93	588.60	-1.18	-1.83	-0.41	237	2.17	2007	-0.06	-0.04	-0.03	212	0.07	0.022	
FT08	1729388.65	6453350.50	658.40	-0.04	0.00	-0.04	188	0.04	2007	-0.02	-0.01	-0.01	215	0.02	0.014	
KC01	1728475.80	6452457.57	312.26	-0.98	-0.66	-0.62	214	1.18	1994	-0.03	-0.04	-0.02	235	0.05	0.015	
KC02	1727002.45	6452118.80	13.71	-0.44	-0.19	-0.13	203	0.48	1995	-0.02	-0.04	0.00	242	0.05	0.015	
KC05	1727081.88	6453178.85	227.46	-0.12	-0.24	-0.40	243	0.27	1994	-0.01	-0.03	0.00	254	0.03	0.016	
KC06	1727784.84	6453396.17	299.83	-0.07	-0.50	-0.52	263	0.50	1994	-0.01	-0.04	-0.02	262	0.05	0.014	
KC07	1727759.42	6453683.86	313.44	0.23	-0.05	-0.39	347	0.23	1994	0.01	0.00	-0.03	22	0.01	0.018	*
KC13	1726581.00	6453069.56	191.06	-0.15	-0.08	-0.14	206	0.17	2007	0.02	-0.04	0.00	295	0.05	0.015	
KC14	1726742.45	6453805.97	259.89	0.01	-0.08	-0.05	277	0.09	2007	0.01	-0.03	-0.01	292	0.03	0.015	
KC15	1727590.31	6453120.91	287.01	-0.15	-0.18	-0.09	231	0.23	2007	0.01	-0.02	-0.03	302	0.02	0.016	*
KC16	1727602.25	6454098.22	326.85	0.00	-0.01	-0.05	266	0.01	2007	0.01	-0.02	-0.04	282	0.02	0.016	*
KC17	1727302.75	6453026.38	215.20	-0.01	-0.04	-0.05	256	0.04	2012	0.01	-0.03	-0.04	290	0.03	0.014	
PB04	1727664.12	6448848.37	166.52	-11.82	-3.37	-4.00	196	12.29	1994	-0.33	-0.09	-0.13	196	0.34	0.019	
PB06	1727933.95	6449757.93	177.04	-34.49	-3.91	-6.02	186	34.71	1995	-0.37	-0.06	-0.09	189	0.38	0.018	
PB07	1728132.78	6450211.72	197.35	-43.15	-8.04	-2.86	191	43.89	1995	-0.48	-0.10	-0.05	192	0.49	0.019	
PB08	1728196.75	6450462.53	194.25	-40.76	-7.27	0.57	190	41.40	1994	-0.45	-0.08	0.00	190	0.46	0.023	
PB09	1728242.33	6450848.53	188.45	-46.25	-2.49	-4.07	183	46.32	1994	-0.67	-0.02	-0.13	181	0.67	0.022	
PB12	1728250.70	6451582.26	183.23	-79.79	-22.31	-10.06	196	82.85	1994	-1.65	-0.55	-0.43	198	1.74	0.017	
PB13	1728039.26	6452146.51	206.42	-46.71	-17.83	-4.12	201	50.00	1995	-1.09	-0.50	-0.10	205	1.20	0.019	
PB18	1730430.76	6450719.90	362.90	-16.12	8.91	-4.68	151	18.42	1995	-0.01	-0.02	-0.04	225	0.02	0.015	*
PB20	1728737.75	6451123.48	231.38	-75.02	-12.20	-12.16	189	76.00	1995	-1.42	-0.39	-0.35	195	1.47	0.017	
PB21	1729239.17	6451178.78	271.89	-59.05	6.73	-8.13	173	59.43	1995	-0.61	0.07	-0.10	174	0.61	0.018	
PB25	1729670.12	6451986.19	325.91	-32.20	0.55	-3.08	179	32.20	1994	-0.07	-0.04	-0.03	207	0.08	0.013	
PB26	1729538.39	6452252.09	282.88	-24.26	2.53	-2.46	174	24.39	1995	-0.03	-0.01	-0.01	194	0.03	0.014	
PB27	1729238.94	6451842.44	270.56	-100.40	6.38	-13.86	176	100.60	1995	-1.65	-0.01	-0.26	180	1.65	0.019	
PB29	1728838.03	6452091.66	169.49	-50.92	-28.83	-16.44	210	58.51	1995	-1.10	-0.49	-0.38	204	1.20	0.019	
PB54	1729690.63	6450448.44	357.61	-4.27	-0.25	-1.01	183	4.28	1997	-0.03	-0.02	-0.12	217	0.04	0.019	
PB55	1728772.40	6450801.12	239.21	-39.88	-2.93	-7.12	184	39.99	1998	-0.53	-0.04	-0.26	185	0.53	0.036	
PB59	1727756.55	6448659.23	158.33	-9.82	-2.44	-5.07	194	10.11	2001	-0.54	-0.13	-0.27	194	0.55	0.022	
PB64	Discontinued															
PB65	1728454.01	6449707.67	287.61	-0.66	-0.15	-0.14	193	0.68	2010	-0.06	-0.03	-0.05	208	0.07	0.014	
PB66	1729196.07	6450969.99	288.10	-1.58	0.07	-0.22	178	1.58	2012	-0.59	0.04	-0.09	176	0.59	0.019	
PB67	1727634.20	6450857.60	75.40	-4.53	-0.58	-0.61	187	4.56	2014	Overall = Periodic = 4.5 months					0.05	
UM02	1727515.23	6450143.07	62.57	-65.89	9.28	-4.58	171.98	66.54	1997	-0.81	0.13	-0.05	171	0.82	0.018	

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Monitoring Point Movements

FULL ANNUAL MONITORING

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	October 8,2015 Positions			Overall Movements (US Feet)						Periodic (12.6 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 8,2015						Sept. 19, 2014 Positions to October 8,2015						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.57	6445709.59	178.53	-0.02	-0.02	-0.09	235	0.03	1994	0.02	0.02	0.03	36	0.03	0.013	
AB02	1726946.99	6447968.69	116.44	0.01	0.01	-0.05	39	0.01	2007	0.02	-0.01	0.00	338	0.02	0.011	
AB04	1728389.90	6447121.44	67.15	-2.10	-1.90	-0.42	222	2.83	1994	-0.05	-0.04	0.00	223	0.06	0.010	
AB05	1728074.45	6447643.59	80.43	-1.27	-1.58	-0.47	231	2.03	1994	-0.04	-0.01	-0.02	197	0.05	0.012	
AB12	1729415.15	6448271.03	283.16	-1.33	-0.61	-0.27	205	1.47	1994	-0.01	-0.03	0.01	250	0.03	0.013	
AB13	1729927.83	6448235.75	364.44	-1.07	-0.28	-0.59	195	1.10	1994	-0.02	-0.01	0.02	204	0.02	0.013	
AB16	1730358.54	6447532.12	376.41	-0.35	0.00	-0.21	180	0.35	1994	-0.01	0.00	0.03	164	0.01	0.019	*
AB17	1731421.12	6446727.75	442.78	0.00	-0.02	-0.02	260	0.02	2007	0.02	-0.02	0.04	313	0.02	0.015	
AB20	1729359.34	6449685.81	396.20	-1.29	-0.45	-0.24	199	1.37	1995	-0.04	-0.01	0.00	193	0.05	0.005	
AB24	1729829.39	6447759.62	335.69	-0.97	-0.34	-0.23	199	1.03	1997	-0.04	-0.01	-0.01	194	0.04	0.012	
AB50	1728084.48	6448247.12	181.96	-0.52	-1.06	-0.02	244	1.18	1998	-0.04	-0.03	-0.02	213	0.05	0.013	
AB51	1729616.35	6447306.44	305.11	-0.66	-0.11	-0.31	189	0.67	2002	-0.01	0.01	-0.01	133	0.02	0.012	
AB53	1730430.15	6449712.19	352.85	-0.95	-0.19	-0.28	191	0.97	2002	-0.02	-0.01	0.05	210	0.03	0.017	
AB56	Destroyed between Sept. 2014 and Oct. 2015															
AB57	1731926.37	6449759.47	564.68	-0.54	0.11	-0.25	169	0.55	2007	0.00	0.02	-0.02	90	0.02	0.012	
AB58	1731117.51	6449074.94	405.56	-0.51	0.01	-0.11	178	0.51	2007	-0.03	0.01	0.03	168	0.03	0.015	
AB59	1730850.12	6450212.48	434.18	-0.74	-0.08	-0.19	186	0.75	2007	-0.04	0.00	0.01	172	0.04	0.012	
AB60	1729089.33	6447987.39	179.31	-0.37	-0.18	-0.14	206	0.41	2007	-0.01	-0.03	0.00	241	0.03	0.012	
AB61	1727424.49	6447990.26	140.41	0.00	0.01	-0.06	122	0.01	2007	-0.01	0.00	0.00	152	0.01	0.005	*
AB62	1728910.22	6446925.41	142.96	-0.13	-0.05	-0.05	203	0.14	2011	-0.01	0.00	0.00	199	0.01	0.011	*
AB63	1729059.17	6447306.95	180.76	-0.12	-0.08	-0.08	213	0.15	2011	0.00	0.00	-0.01	262	0.00	0.012	*
AB64	1731830.71	6447373.08	532.15	0.02	0.00	-0.10	357	0.02	2012	0.01	0.01	0.00	44	0.02	0.011	
AB65	1731705.63	6448264.09	458.44	-0.05	0.03	-0.10	151	0.06	2012	-0.04	0.00	-0.03	182	0.04	0.012	
AB66	1730047.20	6448490.50	374.23	-0.09	-0.03	-0.05	201	0.09	2012	-0.03	-0.02	0.02	212	0.04	0.013	
AB67	1731180.38	6447741.76	405.29	-0.03	0.01	-0.04	170	0.03	2012	-0.03	-0.01	0.01	202	0.03	0.013	
AB68	1730258.81	6448055.35	393.40	-0.05	-0.02	-0.05	197	0.05	2012	-0.02	0.00	-0.01	182	0.02	0.014	
AB71				Replacement for AB56, Reset Oct.2015, Destoyed & Reset 12' East in Oct.2016												
CR07	1731627.84	6451203.38	632.07	-0.94	0.19	-1.21	169	0.96	1994	0.00	0.01	0.01	76	0.01	0.015	*
CR50	1733013.58	6451037.37	872.63	-0.04	0.00	-0.03	186	0.04	2007	0.01	0.01	0.04	45	0.01	0.014	*
CR51	1733062.01	6452361.88	976.14	-0.03	0.01	-0.11	153	0.03	2007	0.01	0.01	0.02	27	0.01	0.013	*
CR53	1732780.28	6450224.20	780.71	0.01	0.01	-0.02	41	0.01	2012	-0.02	0.01	0.01	158	0.02	0.014	
FT06	1729854.75	6452760.02	488.61	-0.86	-0.19	-0.45	192	0.88	2007	-0.05	-0.02	-0.02	200	0.06	0.013	
FT07	1729252.07	6454102.88	588.57	-1.18	-1.87	-0.44	238	2.21	2007	0.00	-0.04	-0.03	271	0.04	0.017	
FT08	1729388.67	6453350.51	658.41	-0.01	0.00	-0.03	180	0.01	2007	0.02	0.00	0.00	12	0.03	0.013	
KC01	1728475.76	6452457.57	312.27	-1.02	-0.66	-0.61	213	1.21	1994	-0.04	0.00	0.01	183	0.04	0.013	
KC02	1727002.45	6452118.81	13.74	-0.44	-0.19	-0.10	203	0.48	1995	0.00	0.00	0.03	33	0.01	0.012	*
KC05	1727081.87	6453178.86	227.46	-0.13	-0.23	-0.40	242	0.27	1994	0.00	0.01	0.00	129	0.01	0.012	*
KC06	1727784.85	6453396.18	299.83	-0.06	-0.48	-0.52	263	0.49	1994	0.00	0.02	0.00	76	0.02	0.014	
KC07	1727759.41	6453683.86	313.43	0.22	-0.05	-0.40	346	0.22	1994	-0.01	0.00	-0.01	183	0.01	0.014	*
KC13	1726580.98	6453069.58	191.07	-0.17	-0.06	-0.13	198	0.18	2007	-0.02	0.02	0.01	133	0.03	0.012	
KC14	1726742.44	6453805.97	259.88	0.00	-0.08	-0.06	267	0.08	2007	-0.01	0.00	0.00	164	0.01	0.012	*
KC15	1727590.29	6453120.91	287.01	-0.17	-0.19	-0.09	228	0.25	2007	-0.02	-0.01	0.00	197	0.02	0.013	
KC16	1727602.26	6454098.23	326.86	0.01	-0.01	-0.04	337	0.01	2007	0.01	0.01	0.01	32	0.02	0.013	
KC17	1727302.74	6453026.40	215.21	-0.03	-0.03	-0.05	227	0.04	2012	-0.01	0.02	0.01	133	0.02	0.012	
PB04	1727663.34	6448848.21	166.25	-12.59	-3.53	-4.27	196	13.08	1994	-0.77	-0.16	-0.27	192	0.79	0.018	
PB06	1727933.21	6449757.87	176.94	-35.24	-3.97	-6.12	186	35.46	1995	-0.74	-0.06	-0.10	185	0.75	0.017	
PB07	1728131.91	6450211.54	197.30	-44.01	-8.22	-2.91	191	44.77	1995	-0.86	-0.18	-0.05	192	0.88	0.016	
PB08	1728196.00	6450462.39	194.32	-41.50	-7.41	0.64	190	42.16	1994	-0.75	-0.13	0.06	190	0.76	0.019	
PB09	1728241.36	6450848.49	188.31	-47.22	-2.53	-4.21	183	47.29	1994	-0.97	-0.04	-0.14	182	0.97	0.017	
PB12	1728248.99	6451581.70	182.82	-81.50	-22.87	-10.47	196	84.65	1994	-1.71	-0.56	-0.41	198	1.80	0.017	
PB13	1728038.19	6452146.04	206.32	-47.78	-18.30	-4.22	201	51.16	1995	-1.07	-0.47	-0.09	204	1.17	0.017	
PB18	1730430.72	6450719.87	362.86	-16.16	8.88	-4.72	151	18.44	1995	-0.04	-0.03	-0.04	221	0.05	0.014	
PB20	1728736.24	6451123.11	231.08	-76.53	-12.56	-12.46	189	77.55	1995	-1.51	-0.36	-0.30	194	1.56	0.015	
PB21	1729238.35	6451178.94	271.81	-59.87	6.89	-8.21	173	60.26	1995	-0.82	0.16	-0.08	169	0.83	0.017	
PB25	1729670.06	6451986.18	325.92	-32.25	0.54	-3.07	179	32.26	1994	-0.05	-0.01	0.00	190	0.05	0.012	
PB26	1729538.31	6452252.08	282.88	-24.33	2.52	-2.46	174	24.46	1995	-0.07	-0.02	-0.01	195	0.07	0.012	
PB27	1729237.33	6451842.46	270.30	-102.01	6.40	-14.12	176	102.21	1995	-1.61	0.02	-0.27	179	1.61	0.016	
PB29	1728836.91	6452091.19	169.15	-52.03	-29.30	-16.78	209	59.72	1995	-1.11	-0.47	-0.34	203	1.21	0.017	
PB54	1729690.58	6450448.43	357.69	-4.32	-0.26	-0.93	183	4.33	1997	-0.05	-0.01	0.08	188	0.05	0.015	
PB55	1728771.44	6450801.03	239.14	-40.84	-3.02	-7.19	184	40.95	1998	-0.96	-0.09	-0.07	185	0.96	0.047	
PB59	1727755.26	6448659.00	157.70	-11.10	-2.67	-5.69	194	11.42	2001	-1.29	-0.23	-0.63	190	1.31	0.019	
PB65	1728453.86	6449707.66	287.59	-0.81	-0.17	-0.16	192	0.83	2010	-0.15	-0.02	-0.02	186	0.15	0.011	
PB66	Abandoned															
PB67	1727625.71	6450856.59	74.55	-13.01	-1.58	-1.46	187	13.11	2014	-8.49	-1.01	-0.84	187	8.55	0.019	
PB68	1727665.20	6448982.98	173.06	-0.25	-0.01	-0.05	182	0.25	2015	Overall= Periodic= 5.7 months					0.019	
PB69	1727782.81	6448778.50	164.60	-0.23	-0.08	-0.07	200	0.24	2015	Overall= Periodic= 5.7 months					0.019	
PB70	1727854.71	6448619.51	155.96	-0.20	-0.08	-0.28	202	0.21	2015	Overall= Periodic= 5.7 months					0.019	
UB02	1727512.63	6450143.39	62.57	-68.48	9.61	-4.58	172	69.15	1997	-2.59	0.33	0.00	173	2.61	0.018	

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of October 5, 2016

Prepared by McGee Surveying Consulting - Document Date: 01/27/2017

Monitoring Point Movements

FULL ANNUAL MONITORING

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

(1) KC16 was raised 0.29'+/- to new road surface by others during survey, movements reflect this change

	October 5,2016 Positions			Overall Movements (US Feet)						Periodic (12.0 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 5,2016						October 8, 2015 Positions to October 5,2016						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.54	6445709.56	178.59	-0.04	-0.05	-0.03	229	0.06	1994	-0.02	-0.02	0.06	224	0.03	0.02	
AB02	1726946.99	6447968.69	116.46	0.01	0.00	-0.02	14	0.01	2007	0.00	0.00	0.03	277	0.00	0.01	*
AB04	1728389.86	6447121.41	67.17	-2.14	-1.94	-0.40	222	2.88	1994	-0.04	-0.04	0.01	224	0.05	0.01	
AB05	1728074.43	6447643.55	80.43	-1.29	-1.62	-0.47	231	2.07	1994	-0.02	-0.03	0.00	238	0.04	0.01	
AB12	1729415.10	6448271.02	283.16	-1.39	-0.63	-0.27	204	1.52	1994	-0.05	-0.02	0.00	196	0.05	0.02	
AB13	1729927.80	6448235.75	364.45	-1.10	-0.29	-0.58	195	1.13	1994	-0.03	-0.01	0.01	190	0.03	0.01	
AB16	1730358.49	6447532.13	376.40	-0.40	0.01	-0.22	179	0.40	1994	-0.05	0.01	-0.01	171	0.05	0.02	
AB17	1731421.10	6446727.74	442.83	-0.02	-0.03	0.03	234	0.04	2007	-0.02	-0.01	0.05	207	0.02	0.02	
AB20	1729359.30	6449685.80	396.24	-1.33	-0.47	-0.19	199	1.41	1995	-0.04	-0.01	0.04	198	0.04	0.00	
AB24	1729829.35	6447759.61	335.74	-1.00	-0.35	-0.18	199	1.06	1997	-0.03	-0.01	0.05	200	0.04	0.01	
AB50	1728084.45	6448247.09	181.99	-0.55	-1.10	0.01	243	1.23	1998	-0.02	-0.03	0.03	236	0.04	0.01	
AB51	1729616.34	6447306.42	305.13	-0.67	-0.12	-0.29	190	0.68	2002	-0.02	-0.02	0.02	226	0.02	0.01	
AB53	1730430.12	6449712.20	352.83	-0.99	-0.17	-0.31	190	1.00	2002	-0.03	0.01	-0.02	161	0.03	0.02	
AB57	1731926.31	6449759.46	564.75	-0.60	0.10	-0.18	171	0.61	2007	-0.06	-0.01	0.06	189	0.06	0.01	
AB58	1731117.48	6449074.93	405.57	-0.54	0.00	-0.10	180	0.54	2007	-0.03	-0.01	0.01	205	0.03	0.02	
AB59	1730850.07	6450212.47	434.18	-0.80	-0.09	-0.19	186	0.80	2007	-0.05	-0.01	-0.01	191	0.05	0.01	
AB60	1729089.30	6447987.38	179.31	-0.40	-0.19	-0.14	205	0.45	2007	-0.03	-0.01	0.00	198	0.03	0.01	
AB61	1727424.49	6447990.26	140.43	0.00	0.01	-0.04	124	0.01	2007	0.00	0.00	0.02	298	0.00	0.00	*
AB62	1728910.19	6446925.40	142.97	-0.16	-0.06	-0.04	200	0.17	2011	-0.03	-0.01	0.01	189	0.03	0.01	
AB63	1729059.13	6447306.95	180.76	-0.17	-0.09	-0.08	207	0.19	2011	-0.05	-0.01	0.00	187	0.05	0.01	
AB64	1731830.70	6447373.09	532.20	0.01	0.01	-0.06	53	0.01	2012	-0.01	0.01	0.04	138	0.02	0.01	
AB65	1731705.60	6448264.10	458.50	-0.08	0.04	-0.03	154	0.08	2012	-0.03	0.01	0.06	159	0.03	0.01	
AB66	1730047.16	6448490.49	374.25	-0.12	-0.04	-0.04	196	0.13	2012	-0.04	0.00	0.02	184	0.04	0.01	
AB67	1731180.36	6447741.76	405.32	-0.05	0.00	0.00	176	0.05	2012	-0.02	0.00	0.04	184	0.02	0.01	
AB68	1730258.78	6448055.33	393.42	-0.08	-0.03	-0.03	204	0.08	2012	-0.03	-0.02	0.02	215	0.03	0.01	
AB71	1732224.13	6448551.81	571.53						2016							
CR07	1731627.80	6451203.38	632.05	-0.98	0.19	-1.23	169	1.00	1994	-0.04	0.00	-0.02	176	0.04	0.02	
CR50	1733013.58	6451037.37	872.65	-0.04	-0.01	-0.01	191	0.04	2007	0.00	0.00	0.02	292	0.00	0.01	*
CR51	1733061.99	6452361.86	976.15	-0.04	0.00	-0.10	177	0.04	2007	-0.01	-0.01	0.01	220	0.02	0.01	
CR53	1732780.27	6450224.20	780.71	-0.01	0.01	-0.02	131	0.01	2012	-0.01	0.00	0.00	168	0.01	0.01	*
FT06	1729854.71	6452760.01	488.59	-0.90	-0.20	-0.47	192	0.92	2007	-0.04	-0.01	-0.02	191	0.04	0.01	
FT07	1729252.03	6454102.86	588.58	-1.21	-1.89	-0.43	237	2.25	2007	-0.03	-0.02	0.01	212	0.04	0.02	
FT08	1729388.65	6453350.51	658.43	-0.03	0.00	-0.01	177	0.03	2007	-0.02	0.00	0.03	175	0.02	0.01	
KC01	1728475.72	6452457.55	312.28	-1.06	-0.68	-0.60	213	1.26	1994	-0.04	-0.02	0.01	206	0.05	0.01	
KC02	1727002.43	6452118.81	13.72	-0.46	-0.18	-0.12	201	0.50	1995	-0.03	0.01	-0.02	164	0.03	0.01	
KC05	1727081.86	6453178.85	227.47	-0.14	-0.24	-0.39	239	0.28	1994	-0.02	-0.01	0.00	198	0.02	0.01	
KC06	1727784.84	6453396.17	299.85	-0.07	-0.50	-0.50	262	0.50	1994	-0.01	-0.02	0.02	245	0.02	0.01	
KC07	1727759.41	6453683.86	313.45	0.22	-0.06	-0.38	345	0.22	1994	0.00	0.00	0.03	287	0.00	0.01	*
KC13	1726580.98	6453069.56	191.07	-0.18	-0.07	-0.13	200	0.19	2007	-0.01	-0.01	0.00	235	0.02	0.01	
KC14	1726742.43	6453805.96	259.91	-0.01	-0.09	-0.03	264	0.09	2007	-0.01	-0.01	0.03	240	0.01	0.01	*
KC15	1727590.27	6453120.90	287.02	-0.18	-0.20	-0.08	228	0.27	2007	-0.01	-0.01	0.02	219	0.02	0.01	
KC16	1727602.24	6454098.23	327.23	-0.01	0.00	0.04	202	0.01	2007	-0.02	0.00	0.08	176	0.02	0.01	(1)
KC17	1727302.72	6453026.38	215.22	-0.05	-0.04	-0.03	221	0.07	2012	-0.02	-0.02	0.02	214	0.03	0.01	
PB04	1727662.64	6448848.07	166.01	-13.29	-3.67	-4.52	195	13.79	1994	-0.70	-0.14	-0.25	191	0.71	0.02	
PB06	1727932.54	6449757.82	176.85	-35.91	-4.02	-6.21	186	36.13	1995	-0.67	-0.05	-0.09	185	0.68	0.02	
PB07	1728131.15	6450211.40	197.23	-44.78	-8.36	-2.98	191	45.55	1995	-0.77	-0.14	-0.07	191	0.78	0.02	
PB08	1728195.33	6450462.29	194.30	-42.18	-7.51	0.62	190	42.84	1994	-0.68	-0.10	-0.02	189	0.68	0.02	
PB09	1728240.49	6450848.49	188.15	-48.09	-2.53	-4.37	183	48.16	1994	-0.87	0.00	-0.16	180	0.87	0.02	
PB12	1728247.47	6451581.20	182.47	-83.02	-23.37	-10.83	196	86.24	1994	-1.51	-0.51	-0.35	198	1.60	0.02	
PB13	1728037.23	6452145.61	206.25	-48.74	-18.73	-4.29	201	52.22	1995	-0.96	-0.43	-0.07	204	1.06	0.02	
PB18	1730430.71	6450719.84	362.84	-16.18	8.85	-4.74	151	18.44	1995	-0.02	-0.03	-0.02	237	0.04	0.01	
PB20	1728734.94	6451122.78	230.78	-77.83	-12.89	-12.76	189	78.89	1995	-1.30	-0.33	-0.29	194	1.34	0.02	
PB21	1729237.56	6451179.05	271.74	-60.66	7.00	-8.28	173	61.06	1995	-0.79	0.11	-0.06	172	0.80	0.02	
PB25	1729670.01	6451986.15	325.93	-32.30	0.50	-3.06	179	32.31	1994	-0.05	-0.03	0.01	212	0.06	0.01	
PB26	1729538.24	6452252.07	282.91	-24.41	2.51	-2.43	174	24.54	1995	-0.08	-0.01	0.03	188	0.08	0.01	
PB27	1729235.94	6451842.43	270.10	-103.40	6.37	-14.32	176	103.60	1995	-1.39	-0.03	-0.19	181	1.39	0.02	
PB29	1728835.91	6452090.77	168.80	-53.04	-29.72	-17.13	209	60.80	1995	-1.00	-0.42	-0.34	203	1.09	0.02	
PB54	1729690.53	6450448.43	357.65	-4.37	-0.26	-0.97	183	4.38	1997	-0.05	0.00	-0.04	183	0.05	0.02	
PB55	1728770.69	6450801.03	238.93	-41.60	-3.01	-7.40	184	41.70	1998	-0.76	0.01	-0.21	179	0.76	0.05	
PB59	1727754.20	6448658.85	157.20	-12.17	-2.82	-6.19	193	12.49	2001	-1.07	-0.15	-0.49	188	1.08	0.02	
PB65	1728453.75	6449707.63	287.59	-0.92	-0.20	-0.16	192	0.94	2010	-0.11	-0.03	0.00	195	0.11	0.01	
PB67	1727616.04	6450855.59	73.31	-22.69	-2.59	-2.70	187	22.84	2014	-9.68	-1.01	-1.24	186	9.73	0.02	
PB68	1727664.68	6448982.99	172.78	-0.76	0.00	-0.33	180	0.77	2015	-0.52	0.02	-0.28	178	0.52	0.02	
PB69	1727782.23	6448778.31	164.35	-0.81	-0.27	-0.33	199	0.85	2015	-0.58	-0.19	-0.25	198	0.61	0.02	
PB70	1727854.23	6448619.29	155.30	-0.68	-0.30	-0.94	204	0.74	2015	-0.48	-0.23	-0.66	205	0.53	0.02	
UB02	1727510.11	6450143.80	62.57	-71.00	10.01	-4.58	172	71.71	1997	-2.52	0.40	0.00	171	2.55	0.02	

Prepared by McGee Surveying Consulting - Document Date: 12/04/2017

Monitoring Point Movements

FULL ANNUAL MONITORING #19 (M19)

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	October 4,2017 Positions			Overall Movements (US Feet)						Periodic (12.0 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 4,2017						October 5, 2016 Positions to October 4,2017						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.563	6445709.554	178.68	-0.02	-0.06	0.06	251	0.06	1994	0.02	-0.01	0.09	335	0.02	0.02	*
AB02	1726946.981	6447968.680	116.54	0.00	0.00	0.06	259	0.01	2007	-0.01	-0.01	0.08	218	0.01	0.01	*
AB04	1728389.642	6447121.211	67.24	-2.35	-2.13	-0.33	222	3.17	1994	-0.22	-0.20	0.07	222	0.29	0.01	
AB05	1728074.322	6447643.392	80.54	-1.40	-1.78	-0.37	232	2.26	1994	-0.11	-0.16	0.11	236	0.19	0.01	
AB12	1729414.936	6448270.954	283.25	-1.55	-0.69	-0.18	204	1.70	1994	-0.16	-0.06	0.09	201	0.18	0.02	
AB13	1729927.688	6448235.684	364.53	-1.21	-0.35	-0.50	196	1.26	1994	-0.11	-0.06	0.08	210	0.13	0.02	
AB16	1730358.454	6447532.126	376.51	-0.43	0.00	-0.11	180	0.43	1994	-0.04	-0.01	0.11	189	0.04	0.02	
AB17	1731421.094	6446727.759	442.83	-0.03	-0.01	0.03	208	0.03	2007	0.00	0.02	0.00	96	0.02	0.02	*
AB20	1729359.113	6449685.739	396.30	-1.51	-0.53	-0.13	199	1.60	1995	-0.19	-0.06	0.06	198	0.20	0.01	
AB24	1729829.231	6447759.547	335.79	-1.12	-0.41	-0.13	200	1.20	1997	-0.12	-0.06	0.05	206	0.13	0.02	
AB50	1728084.385	6448246.974	182.09	-0.62	-1.21	0.11	243	1.36	1998	-0.07	-0.11	0.10	239	0.13	0.01	
AB51	1729616.255	6447306.387	305.21	-0.76	-0.15	-0.21	192	0.77	2002	-0.08	-0.03	0.09	202	0.09	0.02	
AB53	1730429.939	6449712.161	352.88	-1.17	-0.21	-0.25	190	1.18	2002	-0.18	-0.04	0.06	191	0.18	0.02	
AB57	1731926.199	6449759.488	564.74	-0.71	0.12	-0.19	170	0.72	2007	-0.11	0.03	0.00	166	0.11	0.01	
AB58	1731117.340	6449074.926	405.65	-0.68	0.00	-0.02	180	0.68	2007	-0.14	0.00	0.08	182	0.14	0.02	
AB59	1730849.888	6450212.470	434.22	-0.98	-0.08	-0.15	185	0.98	2007	-0.18	0.00	0.04	180	0.18	0.02	
AB60	1729089.145	6447987.304	179.43	-0.56	-0.26	-0.02	205	0.62	2007	-0.15	-0.07	0.12	206	0.17	0.01	
AB61	1727424.487	6447990.262	140.54	-0.01	0.01	0.07	146	0.01	2007	-0.01	0.00	0.11	180	0.01	0.01	*
AB62	1728909.999	6446925.324	143.04	-0.35	-0.14	0.03	201	0.38	2011	-0.19	-0.08	0.07	202	0.20	0.02	
AB63	1729058.946	6447306.860	180.82	-0.35	-0.17	-0.02	206	0.39	2011	-0.18	-0.09	0.06	206	0.20	0.01	
AB64	1731830.665	6447373.095	532.28	-0.02	0.01	0.03	153	0.03	2012	-0.03	0.00	0.08	178	0.03	0.02	
AB65	1731705.500	6448264.137	458.64	-0.17	0.07	0.10	158	0.19	2012	-0.10	0.03	0.14	161	0.10	0.02	
AB66	1730047.056	6448490.446	374.28	-0.23	-0.08	0.00	200	0.24	2012	-0.11	-0.05	0.03	204	0.12	0.01	
AB67	1731180.319	6447741.758	405.35	-0.09	0.00	0.03	181	0.09	2012	-0.04	0.00	0.03	187	0.04	0.02	
AB68	1730258.673	6448055.314	393.47	-0.18	-0.05	0.03	196	0.19	2012	-0.10	-0.02	0.05	189	0.11	0.02	
AB71	1732224.039	6448551.824	571.52	-0.09	0.01	-0.01	170	0.09	2016	-0.09	0.01	-0.01	170	0.09	0.02	
CR07	1731627.667	6451203.373	632.01	-1.11	0.18	-1.27	171	1.13	1994	-0.13	-0.01	-0.04	183	0.13	0.02	
CR50	1733013.582	6451037.353	872.67	-0.03	-0.02	0.01	214	0.04	2007	0.00	-0.01	0.02	281	0.02	0.01	
CR51	1733061.996	6452361.868	976.16	-0.04	0.01	-0.09	170	0.04	2007	0.01	0.00	0.01	45	0.01	0.01	*
CR53	1732780.269	6450224.148	780.75	-0.01	-0.04	0.02	262	0.05	2012	0.00	-0.05	0.04	271	0.05	0.01	
FT06	1729854.480	6452759.935	488.53	-1.13	-0.28	-0.53	194	1.16	2007	-0.23	-0.08	-0.05	199	0.25	0.01	
FT07	1729251.883	6454102.608	588.60	-1.36	-2.15	-0.41	238	2.54	2007	-0.15	-0.25	0.02	240	0.29	0.02	
FT08	1729388.659	6453350.472	658.49	-0.02	-0.03	0.04	235	0.04	2007	0.01	-0.04	0.05	286	0.04	0.01	
KC01	1728475.502	6452457.432	312.32	-1.28	-0.80	-0.56	212	1.51	1994	-0.22	-0.12	0.03	208	0.25	0.03	
KC02	1727002.323	6452118.780	13.83	-0.57	-0.21	-0.01	201	0.61	1995	-0.10	-0.03	0.11	198	0.11	0.02	
KC05	1727081.814	6453178.806	227.55	-0.19	-0.29	-0.32	237	0.34	1994	-0.04	-0.05	0.08	228	0.06	0.01	
KC06	1727784.818	6453396.077	299.87	-0.09	-0.59	-0.49	261	0.60	1994	-0.02	-0.09	0.02	256	0.09	0.01	
KC07	1727759.405	6453683.853	313.52	0.21	-0.06	-0.31	343	0.22	1994	0.00	-0.01	0.06	240	0.01	0.01	
KC13	1726580.919	6453069.529	191.18	-0.24	-0.10	-0.02	203	0.26	2007	-0.06	-0.03	0.11	211	0.07	0.01	
KC14	1726742.428	6453805.940	259.96	-0.01	-0.11	0.02	264	0.11	2007	0.00	-0.02	0.05	265	0.02	0.01	
KC15	1727590.216	6453120.825	287.06	-0.24	-0.27	-0.04	229	0.36	2007	-0.06	-0.07	0.04	232	0.09	0.01	
KC16	1727602.232	6454098.227	327.29	-0.01	-0.01	0.10	207	0.02	2007	0.00	0.00	0.06	217	0.01	0.01	
KC17	1727302.651	6453026.322	215.32	-0.11	-0.10	0.07	222	0.15	2012	-0.06	-0.06	0.10	223	0.09	0.01	
PB04	1727661.559	6448847.783	165.75	-14.38	-3.96	-4.77	195	14.91	1994	-1.09	-0.29	-0.26	195	1.12	0.02	
PB06	1727931.553	6449757.657	176.78	-36.89	-4.18	-6.28	186	37.13	1995	-0.98	-0.16	-0.06	189	1.00	0.02	
PB07	1728129.962	6450211.126	197.18	-45.96	-8.63	-3.03	191	46.77	1995	-1.19	-0.27	-0.05	193	1.22	0.02	
PB08	1728194.248	6450462.052	194.41	-43.26	-7.75	0.72	190	43.95	1994	-1.08	-0.24	0.11	192	1.10	0.02	
PB09	1728239.172	6450848.411	188.04	-49.41	-2.61	-4.48	183	49.48	1994	-1.32	-0.08	-0.11	184	1.32	0.02	
PB12	1728245.148	6451580.464	182.08	-85.34	-24.10	-11.21	196	88.68	1994	-2.32	-0.73	-0.38	197	2.44	0.03	
PB13	1728035.639	6452144.855	206.25	-50.33	-19.49	-4.29	201	53.97	1995	-1.59	-0.75	0.00	205	1.76	0.02	
PB18	1730430.518	6450719.822	362.93	-16.36	8.83	-4.65	152	18.59	1995	-0.19	-0.02	0.09	186	0.19	0.02	
PB20	1728732.977	6451122.309	230.44	-79.79	-13.37	-13.10	190	80.90	1995	-1.96	-0.47	-0.34	194	2.02	0.02	
PB21	1729236.343	6451179.087	271.74	-61.87	7.04	-8.28	174	62.27	1995	-1.21	0.04	0.00	178	1.22	0.03	
PB25	1729669.749	6451986.106	325.95	-32.57	0.46	-3.05	179	32.57	1994	-0.26	-0.04	0.01	190	0.26	0.02	
PB26	1729537.966	6452252.014	282.95	-24.68	2.45	-2.39	174	24.80	1995	-0.27	-0.05	0.05	191	0.28	0.01	
PB27	1729233.780	6451842.379	269.80	-105.56	6.32	-14.62	177	105.75	1995	-2.16	-0.06	-0.30	181	2.16	0.02	
PB29	1728834.339	6452090.121	168.49	-54.61	-30.37	-17.44	209	62.48	1995	-1.57	-0.64	-0.31	202	1.70	0.02	
PB54	1729690.329	6450448.364	357.72	-4.57	-0.32	-0.90	184	4.58	1997	-0.20	-0.06	0.07	198	0.21	0.02	
PB55	1728769.381	6450800.875	238.80	-42.90	-3.17	-7.53	184	43.02	1998	-1.30	-0.16	-0.13	187	1.31	0.07	
PB59	1727752.560	6448658.496	156.60	-13.80	-3.17	-6.79	193	14.16	2001	-1.64	-0.35	-0.60	192	1.67	0.02	
PB65	1728453.414	6449707.551	287.64	-1.25	-0.27	-0.11	192	1.28	2010	-0.33	-0.08	0.06	193	0.34	0.01	
PB67	1727603.687	6450854.103	71.34	-35.04	-4.08	-4.67	187	35.28	2014	-12.35	-1.49	-1.97	187	12.44	0.02	
PB68	1727663.740	6448982.903	172.57	-1.70	-0.09	-0.54	183	1.71	2015	-0.94	-0.09	-0.21	186	0.94	0.02	
PB69	1727781.308	6448777.958	164.08	-1.73	-0.63	-0.60	200	1.84	2015	-0.93	-0.35	-0.27	201	0.99	0.02	
PB70	1727853.485	6448618.945	154.39	-1.42	-0.65	-1.85	204	1.56	2015	-0.74	-0.34	-0.91	205	0.82	0.02	
UB02	1727507.351	6450144.164	62.66	-73.76	10.38	-4.49	172	74.49	1997	-2.76	0.37	0.10	172	2.78	0.02	

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of October 10, 2018

Prepared by McGee Surveying Consulting - Document Date: 12/12/2018, Revised 02/04/2019

Monitoring Point Movements

FULL ANNUAL MONITORING #22 (M22)

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

(1) RC14 was raised 0.19'+/- to new road surface by others prior to survey, movement reflects this change

(2) AB66 paved over, reset Mag Nail & Washer 0.1' +/- above original point and within 0.03' horizontal

NAVD88 Elev. and Vertical Movements revised 02/04/19

	October 10,2018 Positions			Overall Movements (US Feet)						Periodic (12.2 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 10,2018						October 4, 2017 Positions to October 10,2018						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.56	6445709.56	178.59	-0.02	-0.05	-0.03	249	0.06	1994	0.00	0.00	-0.10	124	0.00	0.03	*
AB02	1726946.97	6447968.69	116.47	-0.01	0.00	-0.01	180	0.01	2007	-0.01	0.00	-0.07	144	0.01	0.03	*
AB04	1728389.56	6447121.14	67.13	-2.44	-2.20	-0.44	222	3.29	1994	-0.09	-0.07	-0.11	220	0.11	0.03	
AB05	1728074.26	6447643.33	80.44	-1.47	-1.84	-0.46	232	2.35	1994	-0.07	-0.07	-0.10	224	0.09	0.03	
AB12	1729414.86	6448270.93	283.16	-1.62	-0.71	-0.27	204	1.77	1994	-0.07	-0.02	-0.09	197	0.08	0.03	
AB13	1729927.64	6448235.69	364.38	-1.26	-0.35	-0.65	196	1.31	1994	-0.05	0.00	-0.15	179	0.05	0.03	
AB16	1730358.43	6447532.12	376.38	-0.46	0.00	-0.24	180	0.46	1994	-0.02	0.00	-0.13	185	0.02	0.03	*
AB17	1731421.10	6446727.75	442.72	-0.03	-0.02	-0.08	224	0.03	2007	0.00	-0.01	-0.10	276	0.01	0.03	*
AB20	1729359.06	6449685.78	396.20	-1.57	-0.49	-0.23	197	1.64	1995	-0.05	0.04	-0.09	146	0.06	0.03	
AB24	1729829.18	6447759.53	335.70	-1.18	-0.43	-0.22	200	1.25	1997	-0.05	-0.02	-0.09	200	0.06	0.03	
AB50	1728084.35	6448246.93	181.99	-0.65	-1.25	0.01	243	1.41	1998	-0.03	-0.04	-0.11	230	0.05	0.03	
AB51	1729616.22	6447306.37	305.07	-0.79	-0.17	-0.35	192	0.81	2002	-0.03	-0.01	-0.15	202	0.04	0.03	
AB53	1730429.89	6449712.16	352.77	-1.22	-0.21	-0.36	190	1.24	2002	-0.05	0.00	-0.11	183	0.05	0.03	
AB57	1731926.13	6449759.50	564.62	-0.78	0.14	-0.31	170	0.79	2007	-0.07	0.02	-0.12	167	0.07	0.03	
AB58	1731117.28	6449074.94	405.52	-0.74	0.00	-0.16	180	0.74	2007	-0.06	0.01	-0.14	172	0.06	0.03	
AB59	1730849.81	6450212.46	434.07	-1.06	-0.09	-0.30	185	1.06	2007	-0.08	-0.01	-0.16	184	0.08	0.03	
AB60	1729089.10	6447987.29	179.32	-0.60	-0.27	-0.13	205	0.66	2007	-0.04	-0.01	-0.11	194	0.04	0.03	
AB61	1727424.48	6447990.25	140.46	-0.02	0.00	-0.01	190	0.02	2007	-0.01	-0.01	-0.08	228	0.01	0.01	*
AB62	1728909.90	6446925.29	142.96	-0.45	-0.17	-0.05	201	0.49	2011	-0.10	-0.04	-0.08	201	0.11	0.03	
AB63	1729058.89	6447306.83	180.70	-0.41	-0.21	-0.14	207	0.46	2011	-0.06	-0.03	-0.12	210	0.07	0.03	
AB64	1731830.69	6447373.10	532.16	0.00	0.02	-0.09	96	0.02	2012	0.02	0.01	-0.12	15	0.02	0.03	*
AB65	1731705.50	6448264.12	458.47	-0.18	0.05	-0.06	165	0.18	2012	0.00	-0.02	-0.16	260	0.02	0.03	*
AB66	1730047.02	6448490.47	374.30	-0.26	-0.06	0.01	193	0.27	2012	-0.03	0.02	0.01	145	0.04	0.03	2
AB67	1731180.30	6447741.76	405.27	-0.11	0.00	-0.06	181	0.11	2012	-0.02	0.00	-0.08	180	0.02	0.03	*
AB68	1730258.63	6448055.31	393.36	-0.22	-0.05	-0.09	193	0.23	2012	-0.04	0.00	-0.11	183	0.04	0.03	
AB70	1729291.20	6448352.75	254.11	-0.28	-0.12	-0.04	203	0.30	2015	Replacement for AB12						
AB71	1732224.00	6448551.84	571.40	-0.12	0.03	-0.13	167	0.13	2016	-0.04	0.01	-0.12	161	0.04	0.03	
CR07	1731627.61	6451203.39	631.87	-1.17	0.20	-1.41	170	1.18	1994	-0.05	0.02	-0.14	163	0.06	0.03	
CR50	1733013.58	6451037.36	872.61	-0.03	-0.02	-0.05	207	0.04	2007	0.00	0.00	-0.06	117	0.00	0.03	*
CR51	1733062.00	6452361.87	976.07	-0.03	0.01	-0.18	170	0.03	2007	0.00	0.00	-0.10	346	0.00	0.03	*
CR53	1732780.26	6450224.15	780.65	-0.01	-0.04	-0.07	249	0.04	2012	-0.01	0.00	-0.09	151	0.01	0.03	*
FT06	1729854.37	6452759.92	488.39	-1.24	-0.29	-0.67	193	1.28	2007	-0.11	-0.02	-0.14	189	0.12	0.03	
FT07	1729251.83	6454102.55	588.53	-1.42	-2.21	-0.48	237	2.62	2007	-0.06	-0.06	-0.07	225	0.08	0.03	
FT08	1729388.64	6453350.47	658.40	-0.04	-0.03	-0.04	219	0.05	2007	-0.02	0.00	-0.08	176	0.02	0.03	*
KC01	1728475.44	6452457.39	312.22	-1.34	-0.84	-0.66	212	1.58	1994	-0.06	-0.04	-0.10	216	0.08	0.04	
KC02	1727002.29	6452118.78	13.73	-0.61	-0.21	-0.11	199	0.64	1995	-0.04	0.00	-0.09	177	0.04	0.03	
KC05	1727081.79	6453178.81	227.45	-0.21	-0.28	-0.41	233	0.36	1994	-0.03	0.00	-0.09	176	0.03	0.03	
KC06	1727784.80	6453396.06	299.79	-0.11	-0.61	-0.56	259	0.62	1994	-0.02	-0.02	-0.07	221	0.03	0.03	
KC07	1727759.41	6453683.86	313.45	0.22	-0.06	-0.38	345	0.23	1994	0.01	0.00	-0.07	24	0.01	0.03	*
KC13	1726580.91	6453069.54	191.07	-0.25	-0.09	-0.13	200	0.27	2007	-0.01	0.01	-0.12	137	0.02	0.03	*
KC14	1726742.43	6453805.95	260.10	-0.01	-0.11	0.07	262	0.11	2007	0.00	0.01	0.05	113	0.01	0.03	* 1
KC15	1727590.20	6453120.80	286.98	-0.25	-0.30	-0.12	230	0.39	2007	-0.02	-0.03	-0.09	236	0.03	0.03	
KC16	1727602.25	6454098.23	327.22	0.00	0.00	0.13	256	0.00	2007	0.01	0.00	-0.07	13	0.01	0.03	*
KC17	1727302.63	6453026.32	215.22	-0.13	-0.10	-0.04	218	0.17	2012	-0.02	0.00	-0.10	180	0.02	0.03	*
PB04	1727661.23	6448847.71	165.53	-14.71	-4.03	-4.99	195	15.25	1994	-0.33	-0.07	-0.21	192	0.34	0.04	
PB06	1727931.14	6449757.61	176.68	-37.31	-4.23	-6.38	186	37.55	1995	-0.42	-0.05	-0.11	187	0.42	0.04	
PB07	1728129.43	6450211.03	197.07	-46.49	-8.73	-3.14	191	47.31	1995	-0.53	-0.10	-0.11	190	0.54	0.04	
PB08	1728193.81	6450461.98	194.33	-43.70	-7.82	0.65	190	44.39	1994	-0.44	-0.07	-0.07	189	0.44	0.04	
PB09	1728238.55	6450848.40	187.84	-50.03	-2.63	-4.68	183	50.10	1994	-0.62	-0.02	-0.20	181	0.62	0.04	
PB12	1728243.88	6451580.03	181.69	-86.60	-24.54	-11.60	196	90.01	1994	-1.26	-0.43	-0.39	199	1.34	0.04	
PB13	1728034.79	6452144.47	206.09	-51.18	-19.88	-4.45	201	54.91	1995	-0.85	-0.39	-0.16	205	0.94	0.04	
PB18	1730430.45	6450719.80	362.77	-16.43	8.81	-4.81	152	18.65	1995	-0.07	-0.02	-0.15	195	0.07	0.03	
PB20	1728731.83	6451122.01	230.06	-80.94	-13.66	-13.48	190	82.08	1995	-1.15	-0.30	-0.38	194	1.18	0.04	
PB21	1729235.75	6451179.17	271.46	-62.47	7.12	-8.56	174	62.87	1995	-0.59	0.08	-0.28	172	0.60	0.04	
PB26	1729537.86	6452251.99	282.85	-24.78	2.43	-2.49	174	24.90	1995	-0.10	-0.03	-0.10	194	0.11	0.03	
PB27	1729232.51	6451842.38	269.46	-106.83	6.32	-14.96	177	107.01	1995	-1.27	0.00	-0.34	180	1.27	0.04	
PB29	1728833.48	6452089.79	168.12	-55.46	-30.70	-17.81	209	63.39	1995	-0.86	-0.33	-0.37	201	0.92	0.04	
PB54	1729690.25	6450448.36	357.60	-4.65	-0.33	-1.02	184	4.66	1997	-0.08	-0.01	-0.12	186	0.08	0.04	
PB55	1728768.84	6450800.87	238.48	-43.44	-3.17	-7.85	184	43.56	1998	-0.54	0.00	-0.32	180	0.54	0.07	
PB59	1727752.02	6448658.40	156.29	-14.35	-3.27	-7.10	193	14.72	2001	-0.54	-0.10	-0.31	190	0.55	0.04	
PB65	1728453.29	6449707.52	287.53	-1.38	-0.30	-0.22	192	1.41	2010	-0.13	-0.03	-0.12	194	0.13	0.03	
PB67	1727599.77	6450853.69	70.66	-38.96	-4.49	-5.35	187	39.22	2014	-3.92	-0.42	-0.69	186	3.94	0.04	
PB68	1727663.45	6448982.87	172.33	-1.99	-0.12	-0.78	183	2.00	2015	-0.29	-0.03	-0.24	186	0.29	0.04	
PB69	1727781.03	6448777.85	163.88	-2.01	-0.74	-0.80	200	2.14	2015	-0.27	-0.11	-0.20	202	0.30	0.04	
PB70	1727853.25	6448618.83	154.02	-1.66	-0.76	-2.22	205	1.83	2015	-0.24	-0.12	-0.37	206	0.26	0.04	
UB02	1727506.39	6450144.29	62.59	-74.73	10.51	-4.56	172	75.46	1997	-0.96	0.13	-0.08	172	0.97	0.04	

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of November 1, 2019

Prepared by McGee Surveying Consulting - Document Date: 12/08/2019 Rev. 03/04/2020

Monitoring Point Movements

FULL ANNUAL MONITORING #25 (M25)

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

(2) AB70 substituted for AB12

(1) AB02 has been stable relative to PVE3 & PVE3RP since the original 2007 survey and is Fixed hereafter

	November 1, 2019 Positions			Overall Movements (US Feet)						Periodic (12.7 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to November 1, 2019						October 10, 2018 Positions to November 1,2019						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.55	6445709.60	178.67	-0.04	-0.01	0.05	202	0.04	1994	-0.01	0.04	0.08	109	0.04	0.02	
AB02	1726946.97	6447968.69	116.47	-0.01	0.00	-0.01	180	0.01	2007	0.00	0.00	0.00		0.00	0.03	1
AB04	1728389.00	6447120.66	67.04	-2.99	-2.69	-0.53	222	4.02	1994	-0.55	-0.48	-0.09	221	0.74	0.03	
AB05	1728073.94	6447642.93	80.35	-1.78	-2.24	-0.55	232	2.87	1994	-0.32	-0.40	-0.09	231	0.51	0.03	
AB12	Replaced by AB70															
AB13	1729927.28	6448235.58	364.37	-1.61	-0.46	-0.66	196	1.68	1994	-0.36	-0.11	-0.02	197	0.37	0.03	
AB16	1730358.28	6447532.10	376.42	-0.60	-0.02	-0.20	182	0.60	1994	-0.15	-0.02	0.04	189	0.15	0.03	
AB17	1731421.08	6446727.74	442.80	-0.04	-0.04	0.00	219	0.06	2007	-0.02	-0.01	0.07	212	0.02	0.03	*
AB20	1729358.56	6449685.58	396.22	-2.06	-0.69	-0.21	199	2.18	1995	-0.50	-0.20	0.01	202	0.54	0.02	
AB24	1729828.83	6447759.36	335.76	-1.53	-0.60	-0.16	201	1.64	1997	-0.35	-0.17	0.06	205	0.39	0.03	
AB50	1728084.16	6448246.67	182.03	-0.84	-1.52	0.05	241	1.73	1998	-0.19	-0.27	0.05	235	0.33	0.03	
AB51	1729615.93	6447306.29	305.01	-1.08	-0.25	-0.41	193	1.11	2002	-0.29	-0.09	-0.06	196	0.30	0.03	
AB53	1730429.45	6449712.07	352.77	-1.66	-0.30	-0.37	190	1.69	2002	-0.44	-0.09	-0.01	191	0.45	0.03	
AB57	1731925.77	6449759.60	564.55	-1.14	0.24	-0.38	168	1.16	2007	-0.36	0.10	-0.07	165	0.37	0.03	
AB58	1731116.94	6449074.94	405.50	-1.08	0.01	-0.17	179	1.08	2007	-0.33	0.01	-0.01	179	0.34	0.03	
AB59	1730849.27	6450212.46	434.02	-1.59	-0.10	-0.35	183	1.60	2007	-0.54	0.00	-0.04	181	0.54	0.03	
AB60	1729088.71	6447987.12	179.30	-0.99	-0.45	-0.15	204	1.09	2007	-0.39	-0.18	-0.02	204	0.43	0.03	
AB61	1727424.47	6447990.26	140.46	-0.02	0.00	-0.01	172	0.02	2007	-0.01	0.01	0.01	130	0.01	0.02	*
AB62	1728909.36	6446925.08	142.90	-0.99	-0.38	-0.11	201	1.06	2011	-0.54	-0.21	-0.06	201	0.57	0.03	
AB63	1729058.39	6447306.60	180.56	-0.90	-0.43	-0.29	206	1.00	2011	-0.49	-0.23	-0.14	205	0.54	0.03	
AB64	1731830.62	6447373.13	532.22	-0.07	0.05	-0.03	146	0.09	2012	-0.07	0.03	0.06	158	0.07	0.03	
AB65	1731705.28	6448264.19	458.45	-0.40	0.12	-0.09	163	0.41	2012	-0.22	0.07	-0.03	162	0.23	0.03	
AB66	1730046.66	6448490.38	374.25	-0.62	-0.15	-0.04	194	0.64	2012	-0.36	-0.09	-0.05	194	0.37	0.03	
AB67	1731180.15	6447741.78	405.29	-0.26	0.02	-0.04	176	0.26	2012	-0.15	0.02	0.02	173	0.15	0.03	
AB68	1730258.33	6448055.26	393.29	-0.52	-0.10	-0.15	191	0.53	2012	-0.30	-0.05	-0.07	189	0.30	0.03	
AB70	1729290.80	6448352.57	254.10	-0.68	-0.29	-0.04	204	0.74	2015	-0.40	-0.18	-0.01	204	0.44	0.03	2
AB71	1732223.72	6448551.95	571.46	-0.41	0.14	-0.07	161	0.43	2016	-0.28	0.11	0.06	158	0.30	0.03	
CR07	1731627.30	6451203.45	631.66	-1.48	0.26	-1.62	170	1.50	1994	-0.31	0.06	-0.21	170	0.32	0.03	
CR50	1733013.58	6451037.35	872.65	-0.04	-0.03	-0.01	217	0.05	2007	0.00	-0.01	0.05	255	0.01	0.03	*
CR51	1733061.98	6452361.85	976.11	-0.06	-0.01	-0.14	192	0.06	2007	-0.02	-0.02	0.04	218	0.03	0.03	*
CR53	1732780.19	6450224.11	780.70	-0.08	-0.08	-0.03	225	0.12	2012	-0.07	-0.04	0.04	212	0.08	0.03	
FT06	1729853.78	6452759.82	488.10	-1.83	-0.39	-0.96	192	1.87	2007	-0.59	-0.10	-0.29	189	0.60	0.03	
FT07	1729251.71	6454102.36	588.52	-1.54	-2.39	-0.49	237	2.85	2007	-0.12	-0.19	-0.01	238	0.22	0.03	
FT08	1729388.65	6453350.50	658.45	-0.04	0.00	0.01	185	0.04	2007	0.00	0.03	0.05	86	0.03	0.03	*
KC01	1728474.88	6452457.13	312.14	-1.90	-1.10	-0.74	210	2.19	1994	-0.56	-0.25	-0.07	205	0.61	0.04	
KC02	1727001.99	6452118.71	13.78	-0.90	-0.28	-0.06	197	0.94	1995	-0.30	-0.07	0.05	194	0.30	0.03	
KC05	1727081.66	6453178.72	227.48	-0.34	-0.37	-0.38	227	0.50	1994	-0.13	-0.08	0.03	213	0.15	0.03	
KC06	1727784.72	6453395.86	299.71	-0.19	-0.81	-0.64	257	0.83	1994	-0.08	-0.20	-0.08	248	0.22	0.03	
KC07	1727759.38	6453683.87	313.46	0.19	-0.04	-0.37	347	0.20	1994	-0.03	0.02	0.01	152	0.03	0.03	
KC13	1726580.76	6453069.50	191.10	-0.39	-0.13	-0.10	198	0.41	2007	-0.14	-0.04	0.04	196	0.15	0.03	
KC14	1726742.40	6453805.92	260.11	-0.04	-0.13	0.17	251	0.14	2007	-0.03	-0.02	0.05	220	0.04	0.03	
KC15	1727590.03	6453120.64	286.92	-0.42	-0.46	-0.18	227	0.62	2007	-0.17	-0.16	-0.05	224	0.23	0.03	
KC16	1727602.22	6454098.23	327.26	-0.03	-0.01	0.36	194	0.03	2007	-0.03	0.00	0.04	186	0.03	0.03	*
KC17	1727302.47	6453026.22	215.16	-0.29	-0.21	-0.09	215	0.36	2012	-0.16	-0.10	-0.06	213	0.19	0.03	
KC18	1728000.50	6452622.17	291.17	Replacement for KC01					2019							
PB04	1727659.99	6448847.31	165.20	-15.95	-4.43	-5.32	196	16.55	1994	-1.24	-0.41	-0.33	198	1.30	0.04	
PB06	1727930.21	6449757.41	176.52	-38.24	-4.43	-6.54	187	38.49	1995	-0.93	-0.20	-0.15	192	0.95	0.04	
PB07	1728128.37	6450210.70	196.99	-47.55	-9.06	-3.22	191	48.41	1995	-1.06	-0.33	-0.08	197	1.11	0.04	
PB08	1728192.77	6450461.69	194.33	-44.74	-8.11	0.65	190	45.46	1994	-1.04	-0.29	0.00	196	1.08	0.04	
PB09	1728237.37	6450848.24	187.63	-51.21	-2.78	-4.89	183	51.29	1994	-1.19	-0.15	-0.21	187	1.20	0.04	
PB12	1728241.90	6451579.33	181.35	-88.58	-25.24	-11.94	196	92.11	1994	-1.98	-0.70	-0.34	199	2.10	0.04	
PB13	1728033.39	6452143.86	206.03	-52.58	-20.48	-4.51	201	56.43	1995	-1.40	-0.61	-0.05	204	1.52	0.04	
PB18	1730429.77	6450719.71	362.68	-17.12	8.71	-4.90	153	19.21	1995	-0.68	-0.09	-0.10	188	0.69	0.03	
PB20	1728730.20	6451121.56	229.80	-82.56	-14.11	-13.74	190	83.76	1995	-1.63	-0.45	-0.25	196	1.69	0.04	
PB21	1729234.53	6451179.06	271.42	-63.69	7.01	-8.60	174	64.07	1995	-1.22	-0.11	-0.05	185	1.23	0.04	
PB26	1729537.19	6452251.88	282.83	-25.45	2.32	-2.51	175	25.56	1995	-0.67	-0.11	-0.03	189	0.68	0.03	
PB27	1729230.78	6451842.19	269.20	######	6.13	-15.22	177	108.74	1995	-1.74	-0.19	-0.27	186	1.74	0.04	
PB29	1728832.04	6452089.22	167.78	-56.91	-31.27	-18.15	209	64.93	1995	-1.45	-0.57	-0.34	201	1.55	0.04	
PB54	1729689.66	6450448.17	357.65	-5.23	-0.51	-0.97	186	5.26	1997	-0.58	-0.18	0.05	197	0.61	0.04	
PB55	1728767.63	6450800.65	238.44	-44.66	-3.39	-7.89	184	44.78	1998	-1.21	-0.22	-0.04	190	1.23	0.04	
PB59	1727750.23	6448658.02	155.64	-16.13	-3.65	-7.75	193	16.54	2001	-1.78	-0.38	-0.65	192	1.82	0.04	
PB65	Destroyed															
PB67	1727594.87	6450853.07	69.78	-43.86	-5.11	-6.23	187	44.16	2014	-4.89	-0.62	-0.87	187	4.93	0.04	
PB68	1727662.37	6448982.66	172.03	-3.08	-0.33	-1.08	186	3.09	2015	-1.08	-0.21	-0.30	191	1.11	0.04	
PB69	1727779.85	6448777.39	163.54	-3.19	-1.20	-1.14	201	3.41	2015	-1.19	-0.46	-0.33	201	1.27	0.04	
PB70	1727852.21	6448618.34	153.06	-2.69	-1.25	-3.18	205	2.97	2015	-1.03	-0.49	-0.96	205	1.15	0.04	
PB71	1728464.72	6449713.02	287.31	Replacement for Destroyed PB65					2019							
UB02	1727504.49	6450144.39	62.59	-76.62	10.61	-4.56	172	77.35	1997	-1.90	0.10	0.00	177	1.90	0.04	
PVE3RP	1729195.88	6438764.67	346.87	-0.01	-0.01	0.00	236	0.01	2015							Check

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of Sept. 24, 2020

Prepared by McGee Surveying Consulting - Document Date: Oct. 8, 2020

Monitoring Point Movements

FULL ANNUAL MONITORING #28 (M28)

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

(2) PT09 substituted for PT07 hereafter

(1) AB73 New Point to Replace AB20 for the Base Station

	September 24, 2020 Positions			Overall Movements (US Feet)						Periodic (10.8 months) Movements (US Feet)						
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to September 24, 2020						Nov. 1, 2019 Positions to Sept. 24, 2020						
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	95%Err	Note
AB01	1729427.55	6445709.60	178.67	-0.03	-0.01	0.05	197	0.03	1994	0.01	0.01	0.00	38	0.01	0.02	*
AB02	1726946.97	6447968.69	116.47	-0.01	0.00	-0.01	180	0.01	2007	0.00	0.00	0.00	0	0.00	0.02	FIXED
AB04	1728388.39	6447120.07	66.95	-3.61	-3.27	-0.62	222	4.87	1994	-0.61	-0.58	-0.08	223	0.85	0.02	
AB05	1728073.56	6447642.45	80.25	-2.16	-2.72	-0.65	232	3.47	1994	-0.37	-0.48	-0.09	232	0.61	0.02	
AB13	1729926.92	6448235.48	364.28	-1.97	-0.56	-0.75	196	2.05	1994	-0.36	-0.10	-0.09	196	0.37	0.02	
AB16	1730358.15	6447532.08	376.40	-0.74	-0.05	-0.22	184	0.74	1994	-0.14	-0.02	-0.02	189	0.14	0.02	
AB17	1731421.08	6446727.73	442.79	-0.04	-0.04	-0.01	225	0.06	2007	0.00	-0.01	-0.01	286	0.01	0.02	*
AB20	1729358.15	6449685.43	396.20	-2.47	-0.83	-0.23	199	2.61	1995	-0.41	-0.14	-0.02	199	0.43	0.02	
AB24	1729828.40	6447759.21	335.74	-1.95	-0.75	-0.18	201	2.09	1997	-0.42	-0.16	-0.02	200	0.45	0.02	
AB50	1728083.98	6448246.38	182.05	-1.02	-1.80	0.07	241	2.07	1998	-0.18	-0.29	0.02	238	0.34	0.02	
AB51	1729615.63	6447306.16	304.89	-1.38	-0.38	-0.53	196	1.44	2002	-0.31	-0.13	-0.11	203	0.33	0.02	
AB53	1730429.05	6449711.99	352.73	-2.05	-0.38	-0.40	191	2.09	2002	-0.39	-0.08	-0.03	192	0.40	0.02	
AB57	1731925.40	6449759.68	564.44	-1.50	0.32	-0.49	168	1.54	2007	-0.37	0.08	-0.12	168	0.38	0.02	
AB58	1731116.59	6449074.94	405.52	-1.43	0.01	-0.15	180	1.43	2007	-0.35	0.00	0.02	180	0.35	0.02	
AB59	1730848.84	6450212.39	433.93	-2.03	-0.16	-0.44	185	2.04	2007	-0.44	-0.07	-0.10	189	0.44	0.02	
AB60	1729088.30	6447986.91	179.23	-1.41	-0.66	-0.22	205	1.55	2007	-0.41	-0.21	-0.08	207	0.46	0.02	
AB61	1727424.47	6447990.26	140.44	-0.02	0.00	-0.03	175	0.02	2007	0.00	0.00	-0.03	280	0.00	0.02	*
AB62	1728908.71	6446924.81	142.82	-1.64	-0.65	-0.19	202	1.76	2011	-0.65	-0.27	-0.08	203	0.70	0.02	
AB63	1729057.83	6447306.34	180.41	-1.47	-0.70	-0.44	205	1.63	2011	-0.57	-0.26	-0.15	205	0.62	0.02	
AB64	1731830.60	6447373.14	532.20	-0.09	0.06	-0.05	146	0.10	2012	-0.01	0.01	-0.02	144	0.02	0.02	
AB65	1731705.05	6448264.23	458.37	-0.62	0.17	-0.16	165	0.65	2012	-0.23	0.05	-0.08	168	0.23	0.02	
AB66	1730046.30	6448490.28	374.20	-0.98	-0.25	-0.09	194	1.01	2012	-0.36	-0.10	-0.05	196	0.37	0.02	
AB67	1731180.00	6447741.77	405.26	-0.41	0.01	-0.07	178	0.41	2012	-0.15	-0.01	-0.03	183	0.15	0.02	
AB68	1730258.03	6448055.20	393.18	-0.83	-0.16	-0.27	191	0.84	2012	-0.31	-0.06	-0.11	192	0.31	0.02	
AB70	1729290.33	6448352.37	254.08	-1.15	-0.50	-0.06	204	1.25	2015	-0.47	-0.21	-0.02	203	0.52	0.02	
AB71	1732223.46	6448552.05	571.35	-0.66	0.24	-0.18	160	0.71	2016	-0.26	0.10	-0.11	158	0.28	0.02	
AB73	1728455.89	6448393.93	306.72	-0.15	-0.10	0.01	213	0.18	2020	Overall=Periodic=4.9 months				0.18	0.02	1
CR07	1731627.01	6451203.50	631.43	-1.77	0.31	-1.85	170	1.80	1994	-0.29	0.05	-0.23	169	0.29	0.02	
CR50	1733013.57	6451037.33	872.59	-0.05	-0.04	-0.07	224	0.06	2007	-0.01	-0.02	-0.06	240	0.02	0.02	*
CR51	1733061.98	6452361.86	976.07	-0.06	0.00	-0.18	182	0.06	2007	0.00	0.01	-0.04	83	0.01	0.02	*
CR53	1732780.19	6450224.09	780.63	-0.09	-0.10	-0.10	229	0.14	2012	-0.01	-0.02	-0.07	253	0.02	0.02	*
FT06	1729853.32	6452759.73	487.89	-2.29	-0.48	-1.17	192	2.34	2007	-0.46	-0.08	-0.21	190	0.47	0.02	
FT07	1729251.65	6454102.26	588.43	-1.59	-2.49	-0.58	237	2.96	2007	-0.05	-0.10	-0.08	242	0.11	0.02	2
FT08	1729388.65	6453350.50	658.41	-0.03	-0.01	-0.03	194	0.03	2007	0.00	0.00	-0.04	314	0.01	0.02	*
FT09	1729052.92	6454289.27	590.83	0.02	-0.02	0.01	308	0.03	2020	Overall=Periodic=4.9 months				0.03	0.02	2
KC02	1727001.86	6452118.67	13.75	-1.03	-0.32	-0.09	197	1.08	1995	-0.13	-0.04	-0.04	196	0.14	0.02	
KC05	1727081.61	6453178.69	227.48	-0.39	-0.41	-0.38	226	0.56	1994	-0.05	-0.04	0.00	219	0.06	0.02	
KC06	1727784.69	6453395.76	299.65	-0.22	-0.91	-0.70	256	0.93	1994	-0.03	-0.09	-0.06	254	0.10	0.02	
KC07	1727759.38	6453683.88	313.46	0.19	-0.04	-0.37	348	0.20	1994	0.00	0.00	0.00	96	0.00	0.02	*
KC13	1726580.72	6453069.51	191.08	-0.44	-0.12	-0.12	196	0.45	2007	-0.04	0.01	-0.02	173	0.04	0.02	
KC14	1726742.42	6453805.91	260.08	-0.02	-0.14	0.14	261	0.14	2007	0.02	-0.01	0.05	332	0.03	0.02	
KC15	1727589.97	6453120.56	286.89	-0.48	-0.54	-0.21	228	0.72	2007	-0.06	-0.08	-0.03	233	0.10	0.02	
KC16	1727602.23	6454098.24	327.23	-0.01	0.01	0.33	149	0.01	2007	0.02	0.01	-0.03	39	0.02	0.02	*
KC17	1727302.41	6453026.15	215.13	-0.36	-0.27	-0.13	217	0.45	2012	0.06	-0.06	-0.03	224	0.09	0.02	
KC18	1728000.28	6452622.05	291.21	-0.22	-0.11	0.03	208	0.25	2019	-0.22	-0.11	0.03	208	0.25	0.02	
PB04	1727659.28	6448847.06	165.09	-16.66	-4.68	-5.43	196	17.30	1994	-0.71	-0.25	-0.11	200	0.75	0.03	
PB06	1727929.61	6449757.27	176.47	-38.84	-4.57	-6.59	187	39.11	1995	-0.60	-0.14	-0.05	193	0.62	0.03	
PB07	1728127.66	6450210.51	197.02	-48.26	-9.25	-3.19	191	49.14	1995	-0.71	-0.19	0.03	195	0.74	0.03	
PB08	1728192.13	6450461.50	194.37	-45.38	-8.30	0.69	190	46.13	1994	-0.64	-0.19	0.03	196	0.67	0.03	
PB09	1728236.65	6450848.12	187.55	-51.93	-2.91	-4.97	183	52.01	1994	-0.71	-0.13	-0.08	190	0.72	0.03	
PB12	1728240.77	6451578.94	181.15	-89.71	-25.63	-12.14	196	93.30	1994	-1.13	-0.39	-0.20	199	1.19	0.03	
PB13	1728032.56	6452143.52	206.00	-53.41	-20.82	-4.54	201	57.32	1995	-0.83	-0.33	-0.04	202	0.90	0.03	
PB18	1730429.34	6450719.66	362.58	-17.55	8.67	-5.00	154	19.57	1995	-0.43	-0.05	-0.09	186	0.43	0.03	
PB20	1728729.25	6451121.29	229.59	-83.52	-14.38	-13.95	190	84.75	1995	-0.96	-0.27	-0.21	196	0.99	0.03	
PB21	1729233.81	6451178.93	271.31	-64.41	6.87	-8.71	174	64.77	1995	-0.72	-0.14	-0.11	191	0.73	0.03	
PB26	1729536.72	6452251.79	282.80	-25.93	2.23	-2.54	175	26.03	1995	-0.47	-0.09	-0.02	191	0.48	0.02	
PB27	1729229.78	6451842.08	269.02	-109.56	6.02	-15.40	177	109.73	1995	-1.00	-0.11	-0.17	186	1.01	0.03	
PB29	1728831.21	6452088.92	167.60	-57.74	-31.57	-18.33	209	65.80	1995	-0.83	-0.30	-0.18	200	0.88	0.03	
PB54	1729689.20	6450448.06	357.67	-5.70	-0.63	-0.95	186	5.73	1997	-0.46	-0.11	0.02	193	0.47	0.03	
PB55	1728766.88	6450800.45	238.30	-45.41	-3.59	-8.03	185	45.55	1998	-0.75	-0.20	-0.13	195	0.78	0.04	
PB59	1727749.27	6448657.76	155.43	-17.10	-3.91	-7.96	193	17.54	2001	-0.97	-0.26	-0.21	195	1.00	0.03	
PB67	1727592.04	6450852.68	69.37	-46.69	-5.50	-6.64	187	47.01	2014	-2.83	-0.39	-0.41	188	2.85	0.03	
PB68	1727661.70	6448982.45	171.93	-3.74	-0.54	-1.17	188	3.78	2015	-0.66	-0.21	-0.09	198	0.70	0.03	
PB69	1727779.12	6448777.08	163.42	-3.92	-1.51	-1.26	201	4.20	2015	-0.73	-0.31	-0.13	203	0.79	0.03	
PB70	1727851.61	6448618.01	152.68	-3.29	-1.59	-3.56	206	3.66	2015	-0.60	-0.33	-0.38	209	0.69	0.03	
PB71	1728464.17	6449712.88	287.25	-0.55	-0.14	-0.06	194	0.57	2019	-0.55	-0.14	-0.06	194	0.57	0.02	
UB02	1727503.42	6450144.41	62.62	-77.70	10.63	-4.53	172	78.42	1997	-1.07	0.02	0.03	179	1.07	0.03	
PVE3RP	1729195.89	6438764.67	346.86	0.01	-0.01	-0.02	299	0.01	2015	0.01	0.00	-0.02	351	0.01	0.02	Check

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of Sept. 28, 2021
Prepared by McGee Surveying Consulting - Document Date: Oct. 5, 2021
Monitoring Point Movements
FULL ANNUAL MONITORING #31 (M31)

Notes:
* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	September 28, 2021 Positions			Overall Movements (US Feet)						Periodic (12.0 months) Movements (US Feet)							
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to September 28, 2021						Sept. 24, 2020 to Sept.28, 2021							
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo	95%Err	Note
AB01	1729427.52	6445709.63	178.67	-0.06	0.02	0.05	165	0.06	1994	-0.03	0.02	-0.01	142	0.04	0.00	0.02	
AB02	1726946.97	6447968.69	116.47	-0.01	0.00	-0.01	180	0.01	2007	0.00	0.00	0.00	180	0.00	0.00	0.02	FIXED
AB04	1728387.81	6447119.55	66.85	-4.19	-3.79	-0.72	222	5.65	1994	-0.58	-0.52	-0.10	222	0.78	0.06	0.02	
AB05	1728073.19	6447642.01	80.17	-2.53	-3.16	-0.73	231	4.05	1994	-0.38	-0.44	-0.09	229	0.58	0.05	0.02	
AB13	1729926.43	6448235.36	364.12	-2.46	-0.68	-0.91	195	2.55	1994	-0.49	-0.11	-0.15	193	0.50	0.04	0.03	
AB16	1730357.98	6447532.04	376.40	-0.91	-0.09	-0.22	185	0.91	1994	-0.17	-0.04	0.00	193	0.17	0.01	0.03	
AB17	1731421.06	6446727.73	442.79	-0.06	-0.04	-0.01	216	0.07	2007	-0.01	0.00	0.00	178	0.01	0.00	0.02	*
AB20	1729357.72	6449685.30	396.17	-2.91	-0.97	-0.26	198	3.07	1995	-0.44	-0.14	-0.02	197	0.46	0.04	0.03	
AB24	1729827.97	6447759.06	335.74	-2.38	-0.90	-0.18	201	2.55	1997	-0.43	-0.14	0.00	198	0.46	0.04	0.02	
AB50	1728083.79	6448246.11	182.07	-1.21	-2.07	0.09	240	2.40	1998	-0.19	-0.27	0.02	234	0.33	0.03	0.02	
AB51	1729615.31	6447306.04	304.84	-1.70	-0.50	-0.58	196	1.78	2002	-0.32	-0.11	-0.05	200	0.34	0.03	0.02	
AB53	1730428.68	6449711.93	352.65	-2.43	-0.44	-0.48	190	2.47	2002	-0.38	-0.06	-0.08	189	0.38	0.03	0.02	
AB57	1731925.05	6449759.78	564.27	-1.85	0.41	-0.66	167	1.90	2007	-0.35	0.09	-0.17	165	0.36	0.03	0.03	
AB58	1731116.28	6449074.92	405.45	-1.74	-0.01	-0.22	180	1.74	2007	-0.31	-0.02	-0.07	183	0.31	0.03	0.02	
AB59	1730848.37	6450212.35	433.78	-2.50	-0.20	-0.59	185	2.51	2007	-0.47	-0.04	-0.15	185	0.47	0.04	0.02	
AB60	1729087.90	6447986.73	179.17	-1.80	-0.84	-0.28	205	1.99	2007	-0.40	-0.18	-0.06	204	0.44	0.04	0.02	
AB61	1727424.47	6447990.25	140.45	-0.03	0.00	-0.02	188	0.03	2007	-0.01	-0.01	0.01	229	0.01	0.00	0.02	*
AB62	1728908.10	6446924.56	142.73	-2.25	-0.90	-0.28	202	2.42	2011	-0.62	-0.24	-0.09	202	0.66	0.06	0.02	
AB63	1729057.29	6447306.09	180.24	-2.01	-0.95	-0.61	205	2.22	2011	-0.54	-0.25	-0.17	205	0.59	0.05	0.02	
AB64	1731830.55	6447373.19	532.13	-0.14	0.11	-0.12	142	0.17	2012	-0.05	0.05	-0.07	135	0.07	0.01	0.03	
AB65	1731704.83	6448264.30	458.30	-0.85	0.23	-0.23	165	0.88	2012	-0.22	0.06	-0.07	164	0.23	0.02	0.02	
AB66	1730045.98	6448490.19	374.08	-1.31	-0.34	-0.20	195	1.35	2012	-0.32	-0.09	-0.11	195	0.34	0.03	0.02	
AB67	1731179.84	6447741.78	405.25	-0.57	0.02	-0.07	178	0.57	2012	-0.16	0.01	-0.01	177	0.16	0.01	0.02	
AB68	1730257.74	6448055.13	393.04	-1.12	-0.24	-0.40	192	1.14	2012	-0.29	-0.07	-0.13	194	0.30	0.02	0.02	
AB70	1729289.86	6448352.16	254.07	-1.62	-0.71	-0.07	204	1.77	2015	-0.47	-0.21	-0.01	204	0.51	0.04	0.02	
AB71	1732223.21	6448552.16	571.23	-0.91	0.35	-0.30	159	0.98	2016	-0.25	0.10	-0.12	158	0.27	0.02	0.03	
AB73	1728455.47	6448393.74	306.69	-0.57	-0.29	-0.02	207	0.64	2020	-0.42	-0.19	-0.03	204	0.46	0.04	0.02	
CR07	1731626.71	6451203.56	631.13	-2.07	0.37	-2.15	170	2.10	1994	-0.30	0.05	-0.30	170	0.30	0.03	0.03	
CR50	1733013.56	6451037.33	872.57	-0.05	-0.04	-0.09	219	0.07	2007	-0.01	0.00	-0.03	174	0.01	0.00	0.02	*
CR51	1733061.96	6452361.84	975.99	-0.07	-0.02	-0.26	193	0.08	2007	-0.02	-0.01	-0.08	217	0.02	0.00	0.03	*
CR53	1732780.16	6450224.07	780.59	-0.11	-0.13	-0.13	228	0.17	2012	-0.03	-0.02	-0.04	224	0.04	0.00	0.02	
															0.00		
FT06	1729852.81	6452759.64	487.63	-2.80	-0.57	-1.43	192	2.85	2007	-0.51	-0.10	-0.25	191	0.52	0.04	0.02	
FT08	1729388.64	6453350.51	658.39	-0.04	0.00	-0.05	177	0.04	2007	-0.01	0.01	-0.02	120	0.01	0.00	0.02	*
FT09	1729052.90	6454289.27	590.86	0.00	-0.03	0.03	270	0.03	2020	-0.02	0.00	0.02	192	0.02	0.00	0.03	*
KC02	1727001.65	6452118.63	13.76	-1.24	-0.36	-0.08	196	1.29	1995	-0.21	-0.04	0.02	191	0.21	0.02	0.02	
KC05	1727081.52	6453178.62	227.46	-0.48	-0.47	-0.40	224	0.67	1994	-0.09	-0.06	-0.02	214	0.11	0.01	0.02	
KC06	1727784.64	6453395.62	299.61	-0.27	-1.04	-0.74	256	1.08	1994	-0.05	-0.14	-0.05	251	0.15	0.01	0.02	
KC07	1727759.37	6453683.87	313.48	0.18	-0.05	-0.35	345	0.18	1994	-0.01	-0.01	0.02	207	0.02	0.00	0.02	*
KC13	1726580.64	6453069.49	191.06	-0.52	-0.15	-0.14	196	0.54	2007	-0.09	-0.02	-0.02	194	0.09	0.01	0.03	
KC14	1726742.40	6453805.89	260.07	-0.04	-0.16	0.13	256	0.16	2007	-0.02	-0.02	0.05	225	0.03	0.00	0.02	
KC15	1727589.88	6453120.45	286.84	-0.58	-0.65	-0.26	228	0.87	2007	-0.10	-0.11	-0.05	230	0.15	0.01	0.03	
KC16	1727602.23	6454098.23	327.23	-0.01	0.00	0.33	180	0.01	2007	0.00	-0.01	0.00	268	0.01	0.00	0.02	*
KC17	1727302.30	6453026.06	215.07	-0.46	-0.36	-0.18	218	0.59	2012	-0.11	-0.09	-0.05	222	0.14	0.01	0.02	
KC18	1727999.94	6452621.91	291.18	-0.56	-0.25	0.00	205	0.61	2019	-0.34	-0.14	-0.03	203	0.36	0.03	0.02	
PB04	1727658.52	6448846.77	164.93	-17.41	-4.96	-5.59	196	18.11	1994	-0.76	-0.28	-0.16	200	0.81	0.07	0.02	
PB06	1727929.03	6449757.10	176.38	-39.41	-4.74	-6.68	187	39.70	1995	-0.57	-0.17	-0.09	197	0.60	0.05	0.02	
PB07	1728127.00	6450210.32	197.14	-48.93	-9.44	-3.07	191	49.83	1995	-0.66	-0.19	0.12	196	0.69	0.06	0.03	
PB08	1728191.52	6450461.30	194.35	-45.99	-8.49	0.67	190	46.77	1994	-0.61	-0.20	-0.02	198	0.64	0.05	0.03	
PB09	1728235.93	6450847.99	187.44	-52.65	-3.04	-5.08	183	52.74	1994	-0.72	-0.13	-0.11	190	0.73	0.06	0.03	
PB12	1728239.82	6451578.60	180.96	-90.67	-25.97	-12.33	196	94.32	1994	-0.96	-0.34	-0.19	200	1.02	0.08	0.02	
PB13	1728031.84	6452143.23	205.95	-54.13	-21.11	-4.59	201	58.10	1995	-0.72	-0.29	-0.05	202	0.78	0.06	0.03	
PB18	1730428.88	6450719.61	362.48	-18.00	8.61	-5.10	154	19.95	1995	-0.45	-0.06	-0.10	187	0.46	0.04	0.03	
PB20	1728728.36	6451121.02	229.44	-84.41	-14.65	-14.10	190	85.68	1995	-0.89	-0.27	-0.15	197	0.93	0.08	0.03	
PB21	1729233.10	6451178.81	271.16	-65.12	6.76	-8.86	174	65.47	1995	-0.71	-0.12	-0.15	189	0.72	0.06	0.03	
PB26	1729536.17	6452251.68	282.69	-26.48	2.12	-2.65	175	26.56	1995	-0.55	-0.11	-0.11	191	0.56	0.05	0.04	
PB27	1729228.88	6451841.91	268.86	-110.46	5.84	-15.57	177	110.61	1995	-0.89	-0.18	-0.17	191	0.91	0.08	0.03	
PB29	1728830.44	6452088.62	167.36	-58.51	-31.87	-18.57	209	66.63	1995	-0.77	-0.31	-0.23	202	0.83	0.07	0.03	
PB54	1729688.72	6450447.96	357.61	-6.18	-0.73	-1.01	187	6.22	1997	-0.48	-0.10	-0.06	192	0.49	0.04	0.03	
PB55	1728766.14	6450800.31	238.20	-46.14	-3.73	-8.13	185	46.29	1998	-0.73	-0.14	-0.10	191	0.75	0.06	0.04	
PB59	1727748.35	6448657.49	155.17	-18.01	-4.17	-8.22	193	18.49	2001	-0.92	-0.26	-0.26	196	0.95	0.08	0.03	
PB67	1727590.28	6450852.41	69.09	-48.45	-5.76	-6.93	187	48.79	2014	-1.76	-0.26	-0.28	189	1.78	0.15	0.03	
PB68	1727661.01	6448982.22	171.82	-4.43	-0.77	-1.29	190	4.50	2015	-0.69	-0.22	-0.12	198	0.73	0.06	0.03	
PB69	1727778.37	6448776.79	163.31	-4.67	-1.80	-1.37	201	5.01	2015	-0.75	-0.29	-0.11	201	0.81	0.07	0.03	
PB70	1727850.99	6448617.67	152.40	-3.92	-1.92	-3.84	206	4.37	2015	-0.63	-0.34	-0.28	208	0.71	0.06	0.03	
PB71	1728463.63	6449712.76	287.10	-1.08	-0.27	-0.21	194	1.12	2019	-0.54	-0.13	-0.15	193	0.55	0.05	0.03	
UB02	1727502.60	6450144.38	62.64	-78.52	10.59	-4.51	172	79.23	1997	-0.82	-0.03	0.02	182	0.82	0.07	0.03	
PVE3R(	1729195.88	6438764.67	346.88	-0.01	-0.01	0.00	240	0.01	2015	-0.01	0.00	0.02	184	0.01	0.00	0.02	Check

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT DATA POSTING as of Oct. 10, 2022

Prepared by McGee Surveying Consulting - Document Date: Oct. 17 2022

Monitoring Point Movements

FULL ANNUAL MONITORING #34 (M34)

Notes:

* Indicates no signal of horizontal movement detected in the Period at the 95% level of confidence

	October 10, 2022 Positions			Overall Movements (US Feet)						Periodic (12.4 months) Movements (US Feet)							
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 10, 2022						Sept.28, 2021 to Oct. 10, 2022							
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo.	95%Err	Note
AB03	1729427.54	6445709.64	178.60	-0.04	0.03	-0.03	145	0.05	1994	0.02	0.01	-0.07	28	0.02	0.00	0.02	*
AB02	1726946.97	6447968.69	116.47	-0.01	0.00	-0.01	180	0.01	2007	0.00	0.00	0.00	0.00	0.00	0.00	0.02	FIXED
AB04	1728387.15	6447118.94	66.74	-4.84	-4.40	-0.83	222	6.54	1994	-0.66	-0.61	-0.12	223	0.90	0.07	0.02	
AB05	1728072.81	6447641.53	80.06	-2.91	-3.64	-0.84	231	4.67	1994	-0.38	-0.49	-0.11	232	0.62	0.05	0.02	
AB13	1729925.97	6448235.21	363.88	-2.93	-0.83	-1.15	196	3.04	1994	-0.46	-0.15	-0.24	198	0.49	0.04	0.02	
AB16	1730357.83	6447532.00	376.35	-1.05	-0.12	-0.27	187	1.06	1994	-0.14	-0.04	-0.05	194	0.15	0.01	0.02	
AB17	1731421.08	6446727.74	442.73	-0.04	-0.04	-0.07	223	0.05	2007	0.02	0.00	-0.05	16	0.02	0.00	0.02	*
AB20	1729357.24	6449685.13	396.17	-3.39	-1.13	-0.26	199	3.57	1995	-0.48	-0.16	0.00	199	0.51	0.04	0.02	
AB24	1729827.58	6447758.88	335.73	-2.78	-1.08	-0.19	201	2.98	1997	-0.39	-0.18	-0.01	204	0.43	0.03	0.02	
AB50	1728083.61	6448245.82	182.09	-1.39	-2.36	0.11	239	2.74	1998	-0.18	-0.28	0.02	237	0.34	0.03	0.02	
AB51	1729615.01	6447305.94	304.74	-2.00	-0.61	-0.69	197	2.09	2002	-0.29	-0.11	-0.10	200	0.31	0.03	0.02	
AB53	1730428.20	6449711.83	352.64	-2.91	-0.54	-0.49	190	2.96	2002	-0.48	-0.10	-0.01	191	0.49	0.04	0.02	
AB57	1731924.62	6449759.89	564.13	-2.28	0.52	-0.80	167	2.34	2007	-0.43	0.11	-0.14	165	0.44	0.04	0.02	
AB58	1731115.87	6449074.92	405.42	-2.15	-0.01	-0.25	180	2.15	2007	-0.41	0.00	-0.03	180	0.41	0.03	0.02	
AB59	1730847.82	6450212.31	433.63	-3.05	-0.25	-0.74	185	3.06	2007	-0.55	-0.04	-0.15	185	0.55	0.04	0.02	
AB60	1729087.49	6447986.55	179.11	-2.22	-1.02	-0.34	205	2.44	2007	-0.41	-0.18	-0.06	204	0.45	0.04	0.02	
AB61	1727424.47	6447990.26	140.45	-0.02	0.00	-0.02	183	0.02	2007	0.00	0.00	0.00	31	0.01	0.00	0.02	*Chk Pt
AB62	1728907.38	6446924.26	142.63	-2.97	-1.20	-0.38	202	3.20	2011	-0.72	-0.30	-0.09	203	0.78	0.06	0.02	
AB63	1729056.64	6447305.77	180.05	-2.65	-1.27	-0.79	206	2.94	2011	-0.65	-0.32	-0.19	206	0.72	0.06	0.02	
AB64	1731830.51	6447373.24	532.10	-0.18	0.15	-0.15	140	0.24	2012	-0.04	0.05	-0.03	134	0.06	0.01	0.02	
AB65	1731704.57	6448264.36	458.19	-1.10	0.29	-0.34	165	1.14	2012	-0.25	0.06	-0.11	166	0.26	0.02	0.02	
AB66	1730045.62	6448490.07	374.01	-1.66	-0.46	-0.27	195	1.73	2012	-0.36	-0.12	-0.07	198	0.38	0.03	0.02	
AB67	1731179.66	6447741.78	405.21	-0.75	0.02	-0.12	178	0.75	2012	-0.18	0.00	-0.05	180	0.18	0.01	0.02	
AB68	1730257.43	6448055.05	392.93	-1.43	-0.31	-0.51	192	1.46	2012	-0.31	-0.07	-0.11	193	0.32	0.03	0.02	
AB70	1729289.42	6448351.96	254.04	-2.05	-0.91	-0.10	204	2.24	2015	-0.43	-0.20	-0.03	204	0.48	0.04	0.02	
AB71	1732222.92	6448552.29	571.15	-1.21	0.48	-0.38	158	1.30	2016	-0.29	0.13	-0.08	156	0.32	0.03	0.02	
AB73	1728455.07	6448393.54	306.64	-0.97	-0.49	-0.06	207	1.09	2020	-0.40	-0.20	-0.05	207	0.45	0.04	0.01	
CR07	1731626.41	6451203.64	630.86	-2.37	0.45	-2.42	169	2.41	1994	-0.30	0.08	-0.27	165	0.31	0.03	0.03	
CR50	1733013.58	6451037.33	872.55	-0.03	-0.05	-0.11	233	0.06	2007	0.02	0.00	-0.01	354	0.02	0.00	0.02	*
CR51	1733061.97	6452361.86	975.95	-0.06	-0.01	-0.30	185	0.06	2007	0.01	0.01	-0.04	43	0.02	0.00	0.03	*
CR53	1732780.17	6450224.05	780.56	-0.10	-0.15	-0.17	235	0.18	2012	0.01	-0.02	-0.03	293	0.02	0.00	0.02	*
FT06	1729852.24	6452759.52	487.36	-3.36	-0.69	-1.70	192	3.44	2007	-0.57	-0.12	-0.28	192	0.58	0.05	0.02	
FT08	1729388.67	6453350.52	658.37	-0.01	0.01	-0.07	142	0.02	2007	0.02	0.01	-0.02	18	0.03	0.00	0.02	*
FT09	1729052.90	6454289.28	590.87	0.00	-0.02	0.04	281	0.02	2020	0.00	0.01	0.01	76	0.01	0.00	0.03	*
KC02	1727001.45	6452118.59	13.73	-1.45	-0.40	-0.11	196	1.50	1995	-0.21	-0.04	-0.04	192	0.21	0.02	0.02	
KC05	1727081.44	6453178.57	227.44	-0.56	-0.52	-0.42	223	0.76	1994	-0.08	-0.05	-0.02	213	0.09	0.01	0.02	
KC06	1727784.60	6453395.46	299.55	-0.31	-1.20	-0.80	256	1.24	1994	-0.04	-0.16	-0.06	255	0.16	0.01	0.02	
KC07	1727759.39	6453683.88	313.49	0.19	-0.04	-0.34	349	0.20	1994	0.02	0.01	0.00	37	0.02	0.00	0.02	*
KC13	1726580.55	6453069.49	191.07	-0.61	-0.15	-0.13	193	0.63	2007	-0.09	0.00	0.00	180	0.09	0.01	0.02	
KC14	1726742.40	6453805.90	260.08	-0.04	-0.16	0.14	255	0.16	2007	0.00	0.00	0.05	104	0.00	0.00	0.02	*
KC15	1727589.79	6453120.32	286.81	-0.67	-0.78	-0.30	230	1.02	2007	-0.09	-0.13	-0.03	236	0.16	0.01	0.02	
KC16	1727602.25	6454098.25	327.22	0.00	0.01	0.32	77	0.01	2007	0.02	0.01	-0.01	41	0.02	0.00	0.02	*
KC17	1727302.19	6453025.98	215.03	-0.57	-0.45	-0.22	218	0.73	2012	-0.11	-0.08	-0.04	217	0.14	0.01	0.02	
KC18	1727999.56	6452621.78	291.15	-0.94	-0.39	-0.02	203	1.01	2019	-0.38	-0.13	-0.02	199	0.40	0.03	0.02	
PB04	1727657.78	6448846.49	164.78	-18.16	-5.25	-5.74	196	18.91	1994	-0.75	-0.29	-0.15	201	0.80	0.06	0.03	
PB06	1727928.40	6449756.91	176.32	-40.04	-4.93	-6.74	187	40.35	1995	-0.63	-0.19	-0.06	197	0.66	0.05	0.03	
PB07	1728126.32	6450210.07	196.90	-49.60	-9.68	-3.31	191	50.54	1995	-0.68	-0.25	-0.24	200	0.72	0.06	0.03	
PB08	1728190.90	6450461.08	194.40	-46.61	-8.72	0.72	191	47.42	1994	-0.62	-0.23	0.05	200	0.66	0.05	0.03	
PB09	1728235.30	6450847.83	187.40	-53.28	-3.19	-5.12	183	53.38	1994	-0.63	-0.16	-0.04	194	0.65	0.05	0.03	
PB12	1728238.94	6451578.26	180.81	-91.55	-26.31	-12.48	196	95.26	1994	-0.88	-0.34	-0.15	201	0.94	0.08	0.03	
PB13	1728031.19	6452142.97	205.93	-54.78	-21.37	-4.61	201	58.81	1995	-0.65	-0.26	-0.02	202	0.70	0.06	0.03	
PB18	1730428.29	6450719.55	362.28	-18.60	8.55	-5.30	155	20.47	1995	-0.60	-0.06	-0.20	186	0.60	0.05	0.02	
PB20	1728727.54	6451120.78	229.30	-85.23	-14.89	-14.24	190	86.52	1995	-0.81	-0.24	-0.14	196	0.85	0.07	0.03	
PB21	1729232.40	6451178.66	271.03	-65.82	6.60	-8.99	174	66.15	1995	-0.70	-0.15	-0.13	192	0.72	0.06	0.03	
PB26	1729535.56	6452251.58	282.69	-27.09	2.02	-2.65	176	27.16	1995	-0.61	-0.10	-0.01	189	0.62	0.05	0.02	
PB27	1729228.08	6451841.73	268.69	-111.26	5.67	-15.73	177	111.40	1995	-0.80	-0.17	-0.17	192	0.82	0.07	0.03	
PB29	1728829.77	6452088.35	167.22	-59.17	-32.14	-18.72	209	67.34	1995	-0.67	-0.27	-0.15	202	0.72	0.06	0.03	
PB54	1729688.15	6450447.79	357.65	-6.74	-0.90	-0.97	188	6.80	1997	-0.57	-0.17	0.04	197	0.59	0.05	0.02	
PB55	1728765.39	6450800.05	238.16	-46.89	-3.99	-8.17	185	47.06	1998	-0.76	-0.26	-0.04	199	0.80	0.06	0.03	
PB59	1727747.37	6448657.22	154.93	-18.99	-4.45	-8.46	193	19.51	2001	-0.98	-0.28	-0.24	196	1.02	0.08	0.03	
PB67	1727588.86	6450852.19	68.88	-49.86	-5.99	-7.13	187	50.22	2014	-1.42	-0.23	-0.21	189	1.43	0.12	0.03	
PB68	1727660.30	6448981.98	171.70	-5.15	-1.01	-1.41	191	5.24	2015	-0.71	-0.24	-0.12	199	0.75	0.06	0.03	
PB69	1727777.57	6448776.48	163.17	-5.47	-2.11	-1.51	201	5.87	2015	-0.80	-0.31	-0.14	201	0.86	0.07	0.03	
PB70	1727850.35	6448617.33	152.06	-4.55	-2.27	-4.18	206	5.09	2015	-0.63	-0.34	-0.34	208	0.72	0.06	0.03	
PB71	1728463.04	6449712.58	286.95	-1.68	-0.44	-0.36	195	1.73	2019	-0.59	-0.17	-0.15	196	0.62	0.05	0.03	
UB02	1727501.82	6450144.31	62.68	-79.29	10.53	-4.48	172	79.99	1997	-0.77	-0.06	0.04	185	0.78	0.06	0.03	
PVE3RD	1729195.88	6438764.66	346.88	0.00	-0.02	0.00	262	0.02	2015	0.00	0.00	0.01	329	0.01	0.00	0.02	*Chk Pt

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of October 10, 2023
Prepared by McGee Surveying Consulting - Document Date: October 20, 2023
Monitoring Point Movements
FULL ANNUAL MONITORING #38 (M38)

Notes:
* = Indicates no horizontal movement detected in the Period at the 95% level of confidence
1 = Indicates movement period is 16 month since 06/14/2022 for others
2 = Indicates movement period is 3 months since the 07/19/2023 M37 Monitoring for Klondyke Cyn's Urgent Response
Discontinued = Indicates point considered redundant and removed, replaced by new nearby point or destroyed

	October 10, 2023 Positions			Overall Movements (US Feet)						Periodic (12.0 months) Movements (US Feet)							
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to October 10, 2023						Oct. 10, 2022 to Oct. 10, 2023							
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo.	95%Err	Note
AB01	1729427.52	6445709.59	178.61	-0.06	-0.02	-0.01	202	0.07	1994	-0.02	-0.05	0.02	244	0.06		0.02	
AB02	1726946.95	6447868.68	116.47	-0.03	-0.01	-0.01	197	0.03	2007	-0.02	-0.01	0.00	202	0.02		0.02	*
AB03	Discontinued																
AB04	1728383.62	6447115.69	66.18	-8.37	-7.65	-1.39	222	11.34	1994	-3.53	-3.25	-0.55	223	4.80	0.40	0.02	
AB05	1728070.59	6447638.81	79.50	-5.13	-6.36	-1.40	231	8.17	1994	-2.21	-2.72	-0.55	231	3.51	0.29	0.02	
AB06	Discontinued																
AB07	Discontinued																
AB12	Discontinued																
AB13	1729923.61	6448234.44	363.27	-5.28	-1.59	-1.76	197	5.52	1994	-2.36	-0.77	-0.62	198	2.48	0.21	0.02	
AB15	Discontinued																
AB16	1730356.65	6447531.78	376.36	-2.23	-0.35	-0.26	189	2.26	1994	-1.18	-0.23	0.01	191	1.20	0.10	0.02	
AB17	1731421.02	6446727.73	442.75	-0.10	-0.04	-0.05	204	0.11	2007	-0.06	-0.01	0.02	187	0.06		0.02	
AB18	Discontinued																
AB20	1729354.35	6449684.13	396.11	-6.28	-2.14	-0.32	199	6.63	1995	-2.89	-1.00	-0.06	199	3.06	0.25	0.02	
AB21	1729349.42	6449673.12	394.71	-5.65	-1.90	-0.23	199	5.96	2007	Replaces AB20						0.05	
AB24	1729825.03	6447758.04	335.77	-5.32	-1.92	-0.15	200	5.66	1997	-2.55	-0.84	0.04	198	2.68	0.22	0.02	
AB50	1728082.50	6448244.17	182.27	-2.50	-4.01	0.29	238	4.73	1998	-1.11	-1.65	0.18	236	1.99	0.17	0.02	
AB51	1729613.11	6447305.17	304.53	-3.90	-1.37	-0.89	199	4.13	2002	-1.90	-0.77	-0.20	202	2.05	0.17	0.02	
AB52	Discontinued																
AB53	1730425.50	6449711.28	352.27	-5.60	-1.09	-0.86	191	5.71	2002	-2.70	-0.55	-0.37	192	2.75	0.23	0.02	
AB54	Discontinued																
AB55	Discontinued																
AB56	Discontinued																
AB57	1731922.30	6449760.34	563.40	-4.61	0.98	-1.53	168	4.71	2007	-2.32	0.45	-0.74	169	2.37	0.20	0.02	
AB58	1731113.65	6449074.82	405.04	-4.37	-0.11	-0.63	181	4.37	2007	-2.22	-0.10	-0.38	183	2.22	0.19	0.02	
AB59	1730844.66	6450211.98	432.86	-6.20	-0.57	-1.51	185	6.23	2007	-3.15	-0.33	-0.77	186	3.17	0.26	0.02	
AB60	1729085.04	6447985.43	178.83	-4.67	-2.14	-0.62	205	5.13	2007	-2.45	-1.12	-0.28	204	2.69	0.22	0.02	
AB61																	
AB62	1728903.94	6446922.83	142.23	-6.41	-2.63	-0.78	202	6.93	2011	-3.44	-1.43	-0.41	203	3.73	0.31	0.02	
AB63	1729053.46	6447304.13	179.13	-5.84	-2.90	-1.72	206	6.52	2011	-3.18	-1.63	-0.92	207	3.58	0.30	0.02	
AB64	1731830.19	6447373.39	532.01	-0.50	0.30	-0.24	149	0.59	2012	-0.32	0.15	-0.09	155	0.35		0.02	
AB65	1731703.13	6448264.69	457.84	-2.55	0.62	-0.69	166	2.62	2012	-1.45	0.33	-0.35	167	1.49	0.12	0.02	
AB66	1730043.42	6448489.42	373.54	-3.86	-1.11	-0.74	196	4.02	2012	-2.20	-0.65	-0.47	196	2.29	0.19	0.02	
AB67	1731178.53	6447741.78	404.98	-1.88	0.02	-0.35	179	1.88	2012	-1.12	0.00	-0.23	180	1.12	0.09	0.02	
AB68	1730255.45	6448054.59	392.35	-3.41	-0.78	-1.10	193	3.49	2012	-1.98	-0.47	-0.58	193	2.03	0.17	0.02	
AB70	1729286.69	6448350.80	253.96	-4.79	-2.07	-0.19	203	5.22	2015	-2.74	-1.16	-0.09	203	2.97	0.25	0.02	
AB71	1732221.29	6448552.95	570.55	-2.83	1.14	-0.98	158	3.05	2016	-1.63	0.66	-0.59	158	1.76	0.15	0.02	
AB73	1728452.47	6448392.37	306.40	-3.57	-1.66	-0.30	205	3.94	2020	-2.60	-1.17	-0.24	204	2.86	0.24	0.02	
BB25	Discontinued																
BB52	Discontinued																
BB53	Discontinued																
CR07	1731624.56	6451203.92	629.26	-4.22	0.73	-4.02	170	4.28	1994	-1.85	0.28	-1.61	171	1.87	0.16	0.02	
CR50	1733013.50	6451037.25	872.48	-0.12	-0.13	-0.18	228	0.17	2007	-0.08	-0.08	-0.07	225	0.11		0.02	
CR51	1733061.91	6452361.80	975.95	-0.13	-0.06	-0.30	207	0.14	2007	-0.06	-0.06	-0.01	223	0.08		0.02	
CR52	Discontinued																
CR53	1732780.04	6450223.88	780.52	-0.24	-0.31	-0.20	233	0.39	2012	-0.13	-0.17	-0.04	231	0.21		0.02	
CR54	1731245.24	6450991.83	527.55						2023								
CW05	1732068.16	6450635.37	701.95	-0.20	-0.13	0.01	214	0.24									
CW06	1730906.23	6452118.16	529.78	-0.01	-0.02	0.02	244	0.02	2022							0.02	1 *
CW07	1729726.83	6453210.30	543.37	-0.01	-0.04	0.05	250	0.04									
CW08	1729146.27	6453119.75	607.51	-0.02	-0.03	0.05	237	0.04	2022							0.02	1 *
FT06	1729849.66	6452758.75	485.68	-6.95	-1.46	-3.38	192	7.10	2007	-3.58	-0.77	-1.68	192	3.66	0.31	0.02	
FT07	Discontinued																
FT08	1729388.66	6453350.45	658.35	-0.03	-0.05	-0.09	242	0.06	2007	-0.01	-0.06	-0.02	257	0.06		0.02	
FT09	1729052.90	6454289.20	590.80	0.00	-0.10	-0.03	272	0.10	2020	0.00	-0.08	-0.07	271	0.08		0.02	
KC01	Discontinued																
KC02	1726999.54	6452118.03	13.85	-3.35	-0.97	0.01	196	3.49	1995	-1.91	-0.56	0.12	196	1.99	0.17	0.02	
KC04	Discontinued																
KC05	1727080.76	6453178.02	227.37	-1.24	-1.07	-0.49	221	1.64	1994	-0.69	-0.55	-0.07	219	0.88	0.07	0.02	
KC06	1727784.21	6453394.19	299.01	-0.70	-2.48	-1.34	254	2.58	1994	-0.39	-1.28	-0.54	253	1.34	0.11	0.02	
KC07	1727759.38	6453683.86	313.44	0.19	-0.06	-0.39	343	0.20	1994	0.00	-0.02	-0.05	257	0.02		0.02	*
KC13	1726579.87	6453069.33	191.19	-1.29	-0.30	-0.01	193	1.32	2007	-0.68	-0.16	0.12	193	0.70	0.06	0.02	
KC14	1726742.38	6453805.78	260.02	-0.06	-0.27	0.08	257	0.28	2007	-0.02	-0.11	-0.06	260	0.12		0.02	
KC15	1727588.97	6453119.23	286.39	-1.48	-1.86	-0.71	232	2.38	2007	-0.82	-1.08	-0.42	233	1.36	0.11	0.02	
KC16	1727602.24	6454098.22	327.20	-0.01	-0.02	0.30	246	0.02	2007	-0.01	-0.03	-0.02	251	0.03		0.02	*
KC17	1727301.26	6453025.15	214.73	-1.50	-1.27	-0.52	220	1.97	2012	-0.93	-0.83	-0.30	222	1.24	0.10	0.02	
KC18	1727996.91	6452620.71	290.90	-3.59	-1.46	-0.27	202	3.87	2019	-2.65	-1.07	-0.26	202	2.86	0.24	0.02	
KC19	1727780.40	6453496.67	306.35	-0.01	-0.55	0.02	269	0.55	2023	Set July 2023						0.02	2
KC20	1727695.20	6453569.05	306.96	0.03	-0.50	-0.34	274	0.50	2023	Set July 2023						0.02	2
KC21	1728095.82	6453495.09	383.61	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
KC22	1728010.16	6453297.89	334.35	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
KC23	1727351.42	6453327.01	269.31	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
KC24	1726983.66	6452126.88	14.19	0.00	0.00	0.00		0.00	2023	Set Oct. 2023-KC02 Replacement							
PB04	1727654.44	6448845.07	164.49	-21.50	-6.67	-6.03	197	22.51	1994	-3.34	-1.41	-0.29	203	3.62	0.30	0.02	
PB06	1727925.24	6449755.79	175.98	-43.20	-6.05	-7.08	188	43.62	1995	-3.16	-1.13	-0.34	200	3.35	0.28	0.02	
PB07	1728122.74	6450208.66	196.75	-53.19	-11.10	-3.46	192	54.33	1995	-3.58	-1.41	-0.15	201	3.85	0.32	0.02	
PB08	1728187.53	6450459.77	194.40	-49.97	-10.03	0.72	191	50.97	1994	-3.36	-1.31	-0.01	201	3.61	0.30	0.02	
PB09	1728231.98	6450846.77	187.28	-56.60	-4.25	-5.25	184	56.76	1994	-3.32	-1.06	-0.12	198	3.49	0.29	0.02	
PB12	1728234.56	6451576.64	180.47	-95.93	-27.93	-12.82	196	99.92	1994	-4.38	-1.62	-0.34	200	4.67	0.39	0.02	
PB13	1728027.61	6452141.60	206.00	-58.36	-22.74	-4.54	201	62.63	1995	-3.58	-1.36	0.07	201	3.83	0.32	0.02	
PB18	1730424.80	6450719.13	361.76	-22.08	8.13	-5.82	160	23.53	1995	-3.48	-0.42	-0.52	187	3.51	0.29	0.02	
PB20	1728723.54	6451119.42	228.85	-89.23	-16.25	-14.69	190	90.69	1995	-4.00	-1.36	-0.45	199	4.23	0.35	0.02	
PB21	1729228.61	6451177.61	270.42	-69.60	5.56	-9.60	175	69.83	1995	-3.79	-1.04	-0.62	195	3.93	0.33	0.02	
PB25	Discontinued																
PB26	1729531.71	6452250.74	282.33	-30.94	1.18	-3.01	178	30.97	1995	-3.85	-0.84	-0.36	192	3.94	0.33	0.02	
PB27	1729224.04	6451840.64	267.88	-115.30	4.58	-16.54	178	115.39	1995	-4.04	-1.09	-0.81	195	4.18	0.35	0.02	
PB29	1728826.00	6452086.95	166.24	-62.94	-33.54	-19.69	208	71.32	1995	-3.77	-1.40	-0.97	200	4.02	0.33	0.02	
PB53	Discontinued																
PB54	1729684.89	6450446.87	357.49	-10.01	-1.81	-1.13	190	10.17	1997	-3.26	-0.92	-0.16	196	3.39	0.28	0.02	
PB55	1728761.74	6450798.81	237.40	-50.55	-5.23	-8.93	186	50.82	1998	-3.65	-1.24	-0.77	199	3.86	0.32	0.02	
PB59	1727743.48	6448655.89	154.33	-22.89	-5.78	-9.06	194	23.61	2001	-3.89	-1.33	-0.60	199	4.11	0.34	0.02	
PB62	Discontinued																
PB63	Discontinued																
PB64	Discontinued																
PB65	Discontinued																
PB66	Discontinued																
PB67	1727583.10	6450850.78	68.13	-55.63	-7.40	-7.88	188	56.12	2014	-5.76	-1.41	-0.75	194	5.93	0.49	0.02	
PB68	1727657.07	6448980.66	171.55	-8.38	-2.33	-1.55	196	8.70	2015	-3.23	-1.32	-0.15	202	3.49	0.29	0.02	
PB69	1727773.95	6448775.01	162.89	-9.10	-3.57	-1.79	201	9.77	2015	-3.62	-1.46	-0.27	202	3.91	0.33	0.02	
PB70	1727847.17	6448615.68	151.23	-7.74	-3.91	-5.01	207	8.67	2015	-3.18	-1.64	-0.83	207	3.58	0.30	0.02	
PB71	1728459.57	6449711.46	286.52	-5.14	-1.57	-0.80	197	5.38	2019	-3.47	-1.13	-0.44	198	3.65	0.30	0.02	
PB72	1727650.32	6449341.43	195.89	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
PB73	1729995.94	6451649.68	295.40	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
PB74	1727539.29	6451692.82	102.28	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
PB75	1729083.86	6450351.91	271.90	0.00	0.00	0.00		0.00	2023	Set Oct. 2023							
UB02	1727497.71	6450143.68	62.95	-83.41	9.89	-4.20	173	83.99	1997	-4.12	-0.64	0.27	189	4.17	0.35	0.02	
PVE3R	1729195.87	6438764.68	346.83	-0.01	0.00	-0.05	191	0.01	2015	-0.01	0.01	-0.06	122	0.02		0.02	*
RP01	1725591.74	6455633.53	292.74	0.00	0.00	0.00		0.00	2023	Set July 2023, Added for Ck Pt						0.02	2 *
														Av.	0.3		

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of January 13, 2024
Prepared by McGee Surveying Consulting - Document Date: January 22, 2024
Monitoring Point Movements
FULL ANNUAL MONITORING #39 (M39)

Notes:

* = Indicates no horizontal movement detected in the Period
at the 95% level of confidence
Discontinued = Indicates point considered redundant and removed, replaced by new nearby point or destroyed

	January 13, 2024 Positions			Overall Movements (US Feet)						Periodic (3.1 months) Movements (US Feet)								
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to January 13, 2024						Oct. 10, 2023 to January 13, 2024								
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo.	95%Err	Note
AB01	1729427.53	6445709.59	178.56	-0.05	-0.02	-0.06	201	0.05	1994	0.01	0.00	-0.05	23	0.01		0.03	*
AB02	1726946.96	6447968.68	116.50	-0.02	0.00	0.02	191	0.02	2007	0.01	0.00	0.03	27	0.01		0.03	*
AB04	1728381.06	6447113.28	65.82	-10.94	-10.06	-1.75	223	14.86	1994	-2.56	-2.41	-0.36	223	3.52	1.13	0.03	
AB05	1728068.82	6447636.69	79.09	-6.90	-8.48	-1.81	231	10.93	1994	-1.77	-2.12	-0.42	230	2.76	0.89	0.03	
AB13	1729921.26	6448233.82	362.86	-7.64	-2.22	-2.17	196	7.95	1994	-2.35	-0.63	-0.41	195	2.44	0.78	0.03	
AB16	1730354.97	6447531.48	376.22	-3.92	-0.64	-0.40	189	3.97	1994	-1.69	-0.30	-0.14	190	1.71	0.55	0.03	
AB17	1731421.01	6446727.75	442.78	-0.11	-0.02	-0.02	191	0.11	2007	-0.01	0.02	0.03	118	0.03		0.03	*
AB20	Destroyed Oct.2023 Replaced by AB21																
AB21	1729346.74	6449672.32	394.86	-8.33	-2.70	-0.08	198	8.76	2007	-2.68	-0.80	0.15	197	2.80	0.90	0.03	
AB24	1729822.41	6447757.35	335.79	-7.95	-2.61	-0.13	198	8.36	1997	-2.63	-0.69	0.02	195	2.71	0.87	0.05	
AB50	1728081.54	6448242.85	182.31	-3.46	-5.33	0.33	237	6.35	1998	-0.96	-1.32	0.04	234	1.63	0.52	0.03	
AB51	1729611.16	6447304.45	304.52	-5.85	-2.09	-0.90	200	6.21	2002	-1.95	-0.72	-0.01	200	2.08	0.67	0.03	
AB53	1730422.76	6449710.82	351.98	-8.35	-1.55	-1.15	191	8.49	2002	-2.75	-0.46	-0.29	190	2.79	0.89	0.03	
AB57	1731920.55	6449760.64	562.93	-6.36	1.27	-2.00	169	6.48	2007	-1.75	0.29	-0.46	170	1.77	0.57	0.03	
AB58	1731111.15	6449074.85	404.68	-6.87	-0.08	-0.99	181	6.87	2007	-2.50	0.03	-0.36	179	2.50	0.80	0.03	
AB59	1730841.57	6450211.73	432.06	-9.30	-0.83	-2.32	185	9.34	2007	-3.10	-0.26	-0.80	185	3.11	1.00	0.03	
AB60	1729082.71	6447984.42	178.59	-6.99	-3.15	-0.86	204	7.67	2007	-2.33	-1.01	-0.24	204	2.54	0.81	0.03	
AB61																	
AB62	1728901.53	6446921.80	141.95	-8.82	-3.66	-1.06	203	9.55	2011	-2.41	-1.03	-0.27	203	2.62	0.85	0.03	
AB63	1729050.98	6447302.85	178.37	-8.32	-4.19	-2.48	207	9.31	2011	-2.48	-1.29	-0.76	207	2.79	0.90	0.03	
AB64	1731830.07	6447373.54	531.99	-0.62	0.45	-0.26	144	0.77	2012	-0.12	0.15	-0.02	128	0.19	0.06	0.03	
AB65	1731701.19	6448265.14	457.25	-4.48	1.07	-1.28	167	4.61	2012	-1.93	0.45	-0.59	167	1.98	0.64	0.03	
AB66	1730041.07	6448488.89	373.15	-6.21	-1.65	-1.13	195	6.43	2012	-2.35	-0.53	-0.39	193	2.41	0.78	0.03	
AB67	1731176.98	6447741.77	404.67	-3.43	0.01	-0.66	180	3.43	2012	-1.56	-0.02	-0.31	181	1.56	0.50	0.03	
AB68	1730253.22	6448054.15	391.90	-5.64	-1.22	-1.54	192	5.77	2012	-2.23	-0.44	-0.45	191	2.28	0.73	0.03	
AB70	1729284.02	6448349.81	253.80	-7.46	-3.06	-0.35	202	8.06	2015	-2.67	-0.99	-0.16	200	2.85	0.92	0.03	
AB71	1732220.04	6448553.45	570.13	-4.08	1.64	-1.41	158	4.40	2016	-1.25	0.50	-0.43	158	1.35	0.43	0.03	
AB73	1728450.13	6448391.42	306.34	-5.91	-2.61	-0.36	204	6.46	2020	-2.34	-0.95	-0.06	202	2.52	0.81	0.03	
CR07	1731623.16	6451204.34	628.06	-5.62	1.15	-5.22	168	5.74	1994	-1.41	0.41	-1.20	164	1.47	0.47	0.03	
CR50	1733013.53	6451037.27	872.51	-0.08	-0.10	-0.15	231	0.13	2007	0.03	0.03	0.03	37	0.04		0.04	*
CR51	1733061.90	6452361.84	976.10	-0.14	-0.02	-0.15	190	0.14	2007	-0.01	0.04	0.16	107	0.04		0.04	*
CR52																	
CR53	1732780.02	6450223.88	780.60	-0.26	-0.31	-0.13	231	0.41	2012	-0.02	0.00	0.08	180	0.02		0.03	*
CR54	1731242.44	6450991.57	526.63	-2.80	-0.26	-0.91	185	2.81	2023	-2.80	-0.26	-0.91	185	2.81	0.91	0.03	
CW01	1734174.29	6450266.31	1175.35	-0.02	-0.01	0.01	206	0.03									
CW05	1732068.14	6450635.37	702.01	-0.22	-0.13	0.08	212	0.25		-0.02	0.00	0.07	185	0.02		0.03	*
CW06	1730906.26	6452118.20	529.85	0.02	0.03	0.09	57	0.03	2022	0.03	0.05	0.07	59	0.05		0.03	*
CW07																	
CW08																	
FT06	1729846.23	6452758.28	484.56	-9.38	-1.93	-4.50	192	9.57	2007	-2.43	-0.47	-1.12	191	2.48	0.80	0.03	
FT07																	
FT08																	
FT09	1729052.88	6454289.21	591.04	-0.02	-0.08	0.21	260	0.09	2020	-0.02	0.01	0.23	148	0.02		0.03	*
KC02	1726998.27	6452117.73	13.82	-4.62	-1.27	-0.02	195	4.79	1995	-1.27	-0.30	-0.03	193	1.30	0.42	0.03	
KC05	1727080.30	6453177.70	227.38	-1.70	-1.39	-0.48	219	2.19	1994	-0.45	-0.32	0.01	215	0.55	0.18	0.03	
KC06	1727783.97	6453393.27	298.65	-0.94	-3.40	-1.71	255	3.52	1994	-0.24	-0.92	-0.36	256	0.94	0.30	0.03	
KC07	1727759.37	6453683.87	313.47	0.18	-0.05	-0.36	345	0.19	1994	-0.01	0.01	0.03	135	0.01		0.03	*
KC13	1726579.43	6453069.26	191.19	-1.72	-0.37	-0.01	192	1.76	2007	-0.44	-0.06	0.00	188	0.44	0.14	0.03	
KC14	1726742.37	6453805.75	260.05	-0.07	-0.30	0.11	258	0.31	2007	0.00	-0.03	0.03	262	0.03		0.03	*
KC15	1727588.42	6453118.50	286.11	-2.03	-2.59	-0.99	232	3.29	2007	-0.55	-0.73	-0.28	233	0.91	0.29	0.03	
KC16	1727602.24	6454098.24	327.20	-0.01	0.01	0.30	131	0.01	2007	0.00	0.02	0.00	88	0.02		0.03	*
KC17	1727300.63	6453024.66	214.42	-2.13	-1.77	-0.83	220	2.77	2012	-0.63	-0.49	-0.31	218	0.80	0.26	0.03	
KC18	1727995.01	6452620.02	290.61	-5.49	-2.15	-0.56	201	5.90	2019	-1.91	-0.70	-0.28	200	2.03	0.65	0.03	
KC19	1727780.39	6453495.93	306.11	-0.02	-1.29	-0.23	269	1.29	2023	-0.01	-0.74	-0.24	269	0.74	0.24	0.03	
KC20	1727695.28	6453568.38	306.78	0.11	-1.16	-0.52	275	1.17	2023	0.08	-0.67	-0.18	277	0.67	0.22	0.03	
KC21	1728095.82	6453495.12	383.66	0.00	0.04	0.05	92	0.04	2023	0.00	0.04	0.05	92	0.04		0.04	*
KC22	1728009.88	6453296.86	333.81	-0.28	-1.03	-0.54	255	1.07	2023	-0.28	-1.03	-0.54	255	1.07	0.34	0.03	
KC23	1727351.11	6453326.53	269.04	-0.31	-0.48	-0.27	237	0.57	2023	-0.31	-0.48	-0.27	237	0.57	0.18	0.03	
KC24	1726982.51	6452126.48	14.11	-1.16	-0.40	-0.08	199	1.22	2023	-1.16	-0.40	-0.08	199	1.22	0.39	0.03	
PB04	1727652.01	6448844.07	164.45	-23.93	-7.67	-6.07	198	25.13	1994	-2.43	-1.00	-0.03	202	2.63	0.85	0.03	
PB06	1727922.96	6449754.96	175.74	-45.49	-6.88	-7.32	189	46.00	1995	-2.28	-0.82	-0.24	200	2.43	0.78	0.03	
PB07	1728120.30	6450207.72	196.79	-55.63	-12.04	-3.42	192	56.92	1995	-2.44	-0.94	0.04	201	2.62	0.84	0.03	
PB08	1728185.10	6450458.85	194.43	-52.41	-10.95	0.75	192	53.54	1994	-2.44	-0.92	0.03	201	2.60	0.84	0.03	
PB09	1728229.68	6450846.06	187.16	-58.90	-4.96	-5.36	185	59.11	1994	-2.30	-0.71	-0.11	197	2.40	0.78	0.03	
PB12	1728231.57	6451575.59	180.21	-98.92	-28.98	-13.08	196	103.07	1994	-2.98	-1.04	-0.26	199	3.16	1.02	0.03	
PB13	1728025.23	6452140.79	205.96	-60.74	-23.55	-4.58	201	65.14	1995	-2.38	-0.81	-0.04	199	2.51	0.81	0.03	
PB18	1730421.87	6450718.89	361.29	-25.01	7.89	-6.29	162	26.23	1995	-2.94	-0.24	-0.46	185	2.94	0.95	0.03	
PB20	1728720.86	6451118.57	228.54	-91.91	-17.10	-15.00	191	93.49	1995	-2.69	-0.85	-0.31	198	2.82	0.91	0.03	
PB21	1729226.03	6451176.98	269.90	-72.19	4.93	-10.12	176	72.35	1995	-2.58	-0.64	-0.52	194	2.66	0.86	0.03	
PB26	1729529.12	6452250.16	282.11	-33.53	0.60	-3.23	179	33.53	1995	-2.58	-0.57	-0.22	193	2.65	0.85	0.03	
PB27	1729221.39	6451839.90	267.37	-117.95	3.84	-17.05	178	118.01	1995	-2.65	-0.74	-0.52	196	2.75	0.89	0.03	
PB29	1728823.57	6452086.04	165.56	-65.38	-34.45	-20.37	208	73.90	1995	-2.44	-0.91	-0.68	200	2.60	0.84	0.03	
PB54	1729682.05	6450446.25	357.46	-12.84	-2.44	-1.17	191	13.07	1997	-2.84	-0.62	-0.04	192	2.90	0.94	0.03	
PB55	1728759.00	6450797.91	236.94	-53.28	-6.13	-9.39	187	53.63	1998	-2.74	-0.90	-0.46	198	2.88	0.93	0.03	
PB59	1727740.78	6448654.92	154.03	-25.58	-6.74	-9.36	195	26.46	2001	-2.70	-0.97	-0.30	200	2.86	0.92	0.03	
PB67	1727579.90	6450849.90	67.87	-58.83	-8.28	-8.14	188	59.41	2014	-3.20	-0.88	-0.26	195	3.32	1.07	0.03	
PB68	1727654.69	6448979.69	171.56	-10.75	-3.30	-1.54	197	11.25	2015	-2.38	-0.97	0.01	202	2.57	0.83	0.03	
PB69	1727771.31	6448774.02	162.81	-11.73	-4.56	-1.87	201	12.59	2015	-2.64	-0.99	-0.09	201	2.82	0.91	0.03	
PB70	1727844.68	6448614.59	150.94	-10.22	-5.00	-5.30	206	11.38	2015	-2.49	-1.09	-0.29	204	2.72	0.88	0.03	
PB71	1728456.80	6449710.62	286.56	-7.92	-2.40	-0.75	197	8.27	2019	-2.77	-0.84	0.05	197	2.90	0.93	0.03	
PB72	1727647.87	6449340.23	196.18	-2.45	-1.19	0.29	206	2.73	2023	-2.45	-1.19	0.29	206	2.73	0.88	0.03	
PB73	1729993.49	6451649.24	294.97	-2.45	-0.44	-0.43	190	2.49	2023	-2.45	-0.44	-0.43	190	2.49	0.80	0.03	
PB74	1727536.29	6451692.11	101.91	-3.00	-0.71	-0.37	193	3.08	2023	-3.00	-0.71	-0.37	193	3.08	1.00	0.03	
PB75	1729081.04	6450351.27	271.76	-2.82	-0.64	-0.14	193	2.89	2023	-2.82	-0.64	-0.14	193	2.89	0.93	0.03	
UB02	1727495.00	6450143.25	63.17	-86.11	9.46	-3.98	174	86.63	1997	-2.71	-0.43	0.22	189	2.74	0.88	0.03	
PVEJRP	1729195.88	6438764.68	346.88	0.00	0.00	0.00		0.00	2015	0.01	0.00	0.06	11	0.01		0.00	Fixed
RP01	1725591.73	6455633.55	292.79	-0.01	0.01	0.05	128	0.02	2023	-0.01	0.01	0.05	128	0.02		0.03	*
														Av.	0.7		

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of March 8, 2024
Prepared by McGee Surveying Consulting - Document Date: March 12, 2024
Monitoring Point Movements
PARTIAL MONITORING #40 (M40)

Notes:
AB04 Prorated M39 to M41
* = Indicates no horizontal movement detected in the Period at the 95% level of confidence
Discontinued = Indicates point considered redundant and removed, replaced by new nearby point or destroyed

	March 8, 2024 Positions			Overall Movements (US Feet)						Periodic (1.8 months) Movements (US Feet)							
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to March 8, 2024						January 13, 2024 to March 8, 2024							
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo.	95%Err	Note
AB02	1726946.96	6447968.67	116.57	-0.02	-0.01	0.08	207	0.03	2007	0.00	-0.01	0.06	243	0.01		0.02	*
AB04	1728377.53	6447109.81	65.30	-14.46	-13.53	-2.27	223	19.80	1994	-3.52	-3.47	-0.52	225	4.94	2.75		
AB13	1729918.01	6448233.04	362.33	-10.88	-3.00	-2.70	195	11.29	1994	-3.25	-0.78	-0.52	194	3.34	1.86	0.04	
AB16	1730352.59	6447531.03	376.12	-6.29	-1.10	-0.50	190	6.39	1994	-2.37	-0.46	-0.11	191	2.42	1.34	0.04	
AB17	1731421.00	6446727.77	442.74	-0.12	-0.01	-0.06	184	0.12	2007	0.00	0.01	-0.04	111	0.01		0.02	*
AB21	1729343.22	6449671.40	394.80	-11.85	-3.62	-0.14	197	12.39	2007	-3.52	-0.92	-0.06	195	3.64	2.02		
									1997							0.04	
AB50	1728080.34	6448241.30	182.50	-4.66	-6.88	0.52	236	8.31	1998	-1.20	-1.55	0.19	232	1.96	1.09	0.04	
AB51	1729608.56	6447303.47	304.43	-8.45	-3.07	-0.99	200	8.99	2002	-2.60	-0.97	-0.09	201	2.78	1.55	0.04	
AB57	1731919.09	6449760.51	562.53	-7.81	1.14	-2.40	172	7.90	2007	-1.46	-0.13	-0.40	185	1.46	0.81	0.04	
AB58	1731107.66	6449074.68	404.03	-10.36	-0.25	-1.64	181	10.37	2007	-3.49	-0.17	-0.65	183	3.50	1.94	0.04	
AB59	1730837.75	6450211.31	431.21	-13.12	-1.25	-3.16	185	13.18	2007	-3.82	-0.42	-0.85	186	3.84	2.13	0.04	
AB60	1729079.70	6447983.03	178.35	-10.01	-4.54	-1.10	204	10.99	2007	-3.01	-1.38	-0.25	205	3.31	1.84	0.04	
AB62	1728898.71	6446920.49	141.52	-11.64	-4.97	-1.49	203	12.65	2011	-2.82	-1.31	-0.43	205	3.10	1.72	0.04	
									2011								
AB64	1731829.96	6447373.56	532.14	-0.73	0.48	-0.11	147	0.87	2012	-0.11	0.02	0.14	167	0.11	0.06	0.04	
AB65	1731698.42	6448265.61	456.49	-7.25	1.54	-2.04	168	7.42	2012	-2.77	0.47	-0.76	170	2.81	1.56	0.04	
									2012								
AB67	1731174.76	6447741.65	404.15	-5.65	-0.11	-1.18	181	5.65	2012	-2.21	-0.12	-0.53	183	2.22	1.23	0.04	
AB68	1730250.08	6448053.52	391.44	-8.78	-1.85	-2.01	192	8.97	2012	-3.14	-0.63	-0.46	191	3.20	1.78	0.04	
AB70	1729280.52	6448348.67	253.34	-10.96	-4.20	-0.81	201	11.73	2015	-3.50	-1.14	-0.46	198	3.68	2.04	0.04	
AB71	1732219.17	6448553.84	569.76	-4.95	2.03	-1.77	158	5.35	2016	-0.87	0.39	-0.36	156	0.96	0.53	0.04	
AB73	1728447.35	6448390.37	306.04	-8.69	-3.67	-0.66	203	9.43	2020	-2.78	-1.05	-0.30	201	2.97	1.65	0.04	
CR07	1731622.03	6451204.60	627.06	-6.75	1.41	-6.22	168	6.90	1994	-1.13	0.26	-1.00	167	1.16	0.64	0.04	
CR50	1733013.49	6451037.24	872.58	-0.13	-0.14	-0.08	227	0.19	2007	-0.05	-0.04	0.07	218	0.06		0.04	
CR53	1732780.02	6450223.80	780.69	-0.26	-0.39	-0.03	237	0.47	2012	0.00	-0.08	0.10	270	0.08		0.04	
CR54	1731239.24	6450990.92	525.91	-6.00	-0.91	-1.63	189	6.07	2023	-3.20	-0.65	-0.72	192	3.27	1.81	0.04	
KC02	1726997.40	6452117.49	13.78	-5.49	-1.50	-0.06	195	5.69	1995	-0.87	-0.23	-0.03	195	0.90	0.50	0.04	
KC06	1727783.87	6453392.62	298.48	-1.04	-4.05	-1.87	256	4.18	1994	-0.11	-0.65	-0.17	261	0.66	0.37	0.04	
KC07	1727759.40	6453683.87	313.42	0.20	-0.05	-0.41	346	0.21	1994	0.02	0.00	-0.05	358	0.02		0.02	*
KC15	1727588.12	6453117.96	286.04	-2.33	-3.13	-1.06	233	3.91	2007	-0.30	-0.54	-0.07	241	0.62	0.34	0.04	
KC17	1727300.29	6453024.25	214.43	-2.47	-2.18	-0.82	221	3.29	2012	-0.34	-0.41	0.01	230	0.54	0.30	0.04	
KC20	1727695.30	6453567.84	306.48	0.13	-1.71	-0.82	274	1.71	2023	0.02	-0.55	-0.31	272	0.55	0.30	0.04	
KC22	1728009.74	6453296.07	333.53	-0.42	-1.82	-0.82	257	1.87	2023	-0.13	-0.79	-0.28	260	0.80	0.45	0.04	
KC23	1727350.93	6453326.15	269.00	-0.50	-0.86	-0.31	240	1.00	2023	-0.19	-0.38	-0.04	244	0.43	0.24	0.04	
KC24	1726981.68	6452126.20	14.10	-1.98	-0.69	-0.09	199	2.09	2023	-0.82	-0.29	-0.01	199	0.87	0.48	0.04	
PB04	1727649.10	6448842.83	164.43	-26.84	-8.91	-6.09	198	28.28	1994	-2.91	-1.24	-0.02	203	3.16	1.76	0.04	
PB08	1728182.63	6450458.10	194.58	-54.88	-11.70	0.90	192	56.11	1994	-2.47	-0.75	0.15	197	2.58	1.43	0.04	
PB13	1728023.34	6452139.99	206.23	-62.63	-24.35	-4.31	201	67.20	1995	-1.90	-0.80	0.26	203	2.06	1.14	0.04	
PB18	1730418.22	6450718.66	361.12	-28.66	7.66	-6.46	165	29.67	1995	-3.65	-0.23	-0.18	184	3.65	2.03	0.04	
PB26	1729527.07	6452249.77	282.10	-35.57	0.21	-3.24	180	35.57	1995	-2.05	-0.39	-0.01	191	2.08	1.16	0.04	
PB55	1728756.13	6450797.28	236.63	-56.15	-6.77	-9.70	187	56.56	1998	-2.87	-0.64	-0.31	193	2.94	1.64	0.04	
PB67	1727576.78	6450849.13	67.53	-61.95	-9.05	-8.48	188	62.61	2014	-3.12	-0.77	-0.34	194	3.22	1.79	0.04	
PB69	1727768.18	6448772.77	162.89	-14.86	-5.81	-1.79	201	15.96	2015	-3.13	-1.25	0.09	202	3.37	1.87	0.04	
PB70	1727841.65	6448613.26	150.76	-13.26	-6.33	-5.48	206	14.69	2015	-3.04	-1.33	-0.18	204	3.31	1.84	0.04	
PB71	1728453.36	6449709.83	285.89	-11.35	-3.19	-1.43	196	11.79	2019	-3.44	-0.79	-0.67	193	3.53	1.96	0.04	
PB72	1727644.91	6449338.90	196.40	-5.42	-2.52	0.51	205	5.98	2023	-2.97	-1.33	0.22	204	3.25	1.81	0.04	
PB73	1729990.88	6451648.90	294.68	-5.06	-0.78	-0.72	189	5.13	2023	-2.61	-0.35	-0.30	188	2.64	1.47	0.04	
PB75	1729077.84	6450350.75	271.40	-6.02	-1.16	-0.50	191	6.13	2023	-3.20	-0.52	-0.36	189	3.24	1.80	0.04	
PVE3RP	1729195.88	6438764.68	346.88	0.00	0.00	0.00	#DIV/0!	0.00	2015	0.00	0.00	0.00	0	0.00		0.00	Fixed
RP01	1725591.75	6455633.57	292.63	0.01	0.03	-0.11	74	0.04	2023	0.02	0.02	-0.16	46	0.03		0.03	*
														Av.	1.3		

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of April 17, 2024
Prepared by McGee Surveying Consulting - Document Date: April 21, 2024
Monitoring Point Movements
PARTIAL MONITORING #41 (M41)

Notes:

* = Indicates no horizontal movement detected in the Period
at the 95% level of confidence
Discontinued = Indicates point considered redundant and removed, replaced by new nearby point or destroyed

	April 17, 2024 Positions			Overall Movements (US Feet)						Periodic Movements (US Feet)							
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to April 17, 2024						March 8, 2024 to April 17, 2024 (1.35 months)							
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	Dist.	Year	North	East	Height	Azim.°	Dist.	Rate/Mo	95%Err	Note
AB04	1728375.00	6447107.32	64.92	-16.99	-16.02	-2.65	223	23.36	1994	-2.53	-2.49	-0.38	225	3.55	2.63		
AB13	1729914.09	6448231.98	361.56	-14.81	-4.06	-3.47	195	15.35	1994	-3.92	-1.06	-0.77	195	4.06	3.01	0.04	
AB16	1730349.75	6447530.45	375.92	-9.14	-1.67	-0.70	190	9.29	1994	-2.84	-0.57	-0.20	191	2.90	2.15	0.04	
AB17	1731421.00	6446727.78	442.80	-0.12	0.01	0.00	176	0.12	2007	0.00	0.02	0.06	104	0.02		0.02	*
AB21	1729339.02	6449670.29	394.71	-16.05	-4.73	-0.23	196	16.74	2007	-4.21	-1.11	-0.09	195	4.35	3.22	0.04	
AB50	1728078.84	6448239.36	182.71	-6.17	-8.82	0.73	235	10.76	1998	-1.51	-1.94	0.21	232	2.46	1.82	0.04	
AB51	1729605.29	6447302.32	304.32	-11.72	-4.22	-1.10	200	12.45	2002	-3.26	-1.15	-0.11	199	3.46	2.56	0.04	
AB57	1731916.48	6449759.96	561.56	-10.42	0.59	-3.37	177	10.44	2007	-2.61	-0.55	-0.97	192	2.67	1.98	0.04	
AB58	1731103.33	6449074.45	403.29	-14.69	-0.48	-2.38	182	14.70	2007	-4.32	-0.23	-0.74	183	4.33	3.21	0.04	
AB59	1730833.16	6450210.90	429.89	-17.71	-1.66	-4.48	185	17.79	2007	-4.59	-0.41	-1.32	185	4.61	3.42	0.04	
AB60	1729075.98	6447981.37	178.01	-13.72	-6.20	-1.44	204	15.05	2007	-3.71	-1.66	-0.34	204	4.07	3.01	0.04	
AB62	1728895.92	6446919.02	141.35	-14.43	-6.44	-1.67	204	15.80	2011	-2.79	-1.47	-0.18	208	3.16	2.34	0.04	
AB64	1731829.89	6447373.71	531.92	-0.80	0.62	-0.34	142	1.02	2012	-0.08	0.14	-0.22	118	0.16	0.12	0.04	
AB65	1731695.04	6448266.12	455.46	-10.63	2.05	-3.07	169	10.83	2012	-3.38	0.50	-1.03	171	3.42	2.53	0.04	
AB67	1731172.03	6447741.47	403.50	-8.38	-0.29	-1.82	182	8.39	2012	-2.74	-0.19	-0.64	184	2.74	2.03	0.04	
AB68	1730246.42	6448052.74	390.78	-12.44	-2.63	-2.66	192	12.71	2012	-3.66	-0.78	-0.66	192	3.74	2.77	0.04	
AB70	1729276.18	6448347.16	253.07	-15.30	-5.71	-1.07	200	16.33	2015	-4.34	-1.52	-0.27	199	4.60	3.41	0.04	
AB71	1732217.68	6448554.66	568.97	-6.45	2.85	-2.56	156	7.05	2016	-1.49	0.82	-0.79	151	1.71	1.26	0.04	
AB73	1728443.74	6448389.05	305.72	-12.30	-4.98	-0.99	202	13.27	2020	-3.61	-1.32	-0.32	200	3.84	2.85	0.04	
AB74	1729605.59	6446853.14	271.90	New Pt													
AB75	1729620.16	6449336.36	349.02	New Pt					2024								
AB76	1730023.13	6446806.64	386.28	New Pt					2024								
AB77				To Be Set					2024								
CR07	1731620.48	6451205.00	625.51	-8.30	1.81	-7.77	168	8.50	1994	-1.55	0.40	-1.56	165	1.60	1.19	0.04	
CR50	1733013.43	6451037.16	872.45	-0.18	-0.21	-0.21	229	0.28	2007	-0.05	-0.07	-0.13	234	0.09	0.07	0.04	
CR53	1732779.93	6450223.72	780.54	-0.35	-0.48	-0.18	234	0.59	2012	-0.09	-0.08	-0.15	222	0.12	0.09	0.04	
CR54	1731235.22	6450990.24	524.86	-10.01	-1.59	-2.69	189	10.14	2023	-4.02	-0.68	-1.05	190	4.07	3.02	0.04	
CR55	1735390.03	6450646.17	1152.85	New Pt													
CR56				To Be Set					2024								
KC06	1727783.71	6453391.66	298.08	-1.20	-5.01	-2.27	257	5.15	1994	-0.16	-0.96	-0.40	261	0.98	0.72	0.04	
KC07	1727759.37	6453683.90	313.42	0.18	-0.02	-0.41	353	0.18	1994	-0.03	0.03	0.00	132	0.04	0.03	0.03	
KC15	1727587.64	6453117.14	285.71	-2.82	-3.95	-1.39	235	4.85	2007	-0.48	-0.82	-0.33	239	0.95	0.70	0.04	
KC17	1727299.68	6453023.66	214.17	-3.08	-2.77	-1.08	222	4.14	2012	-0.61	-0.59	-0.26	224	0.85	0.63	0.04	
KC20	1727695.34	6453567.07	306.14	0.17	-2.48	-1.16	274	2.49	2023	0.04	-0.77	-0.34	273	0.77	0.57	0.04	
KC22	1728009.55	6453295.04	332.87	-0.61	-2.85	-1.49	258	2.92	2023	-0.19	-1.03	-0.67	259	1.05	0.78	0.04	
KC23	1727350.66	6453325.62	268.80	-0.77	-1.39	-0.51	241	1.59	2023	-0.27	-0.53	-0.20	243	0.59	0.44	0.04	
KC24	1726980.41	6452125.80	14.02	-3.25	-1.08	-0.17	198	3.43	2023	-1.28	-0.40	-0.08	197	1.34	0.99	0.04	
KC25	1726305.29	6452805.61	19.80	New Pt													
KC26	1726729.53	6452427.12	24.74	New Pt													
KC27	1726835.66	6452220.95	21.28	New Pt													
KC28	1726777.80	6451999.91	19.94	New Pt													
KC29	1726934.43	6451937.63	17.90	New Pt													
KC30	1727544.05	6452146.51	100.25	New Pt													
KC31	1727924.93	6452358.21	207.50	New Pt													
PB04	1727645.49	6448841.42	164.39	-30.45	-10.32	-6.13	199	32.15	1994	-3.61	-1.41	-0.04	201	3.87	2.87	0.04	
PB08	1728179.31	6450457.00	194.71	-58.19	-12.80	1.03	192	59.58	1994	-3.32	-1.09	0.13	198	3.49	2.59	0.04	
PB13	1728020.70	6452138.97	206.03	-65.27	-25.37	-4.51	201	70.03	1995	-2.64	-1.02	-0.20	201	2.83	2.10	0.04	
PB18	1730413.89	6450718.22	360.40	-32.99	7.23	-7.18	168	33.78	1995	-4.33	-0.43	-0.72	186	4.35	3.23	0.04	
PB26	1729524.00	6452249.21	281.67	-38.65	-0.35	-3.67	181	38.65	1995	-3.07	-0.56	-0.44	190	3.12	2.31	0.04	
PB55	1728752.37	6450796.28	236.00	-59.91	-7.76	-10.33	187	60.41	1998	-3.76	-0.99	-0.63	195	3.89	2.88	0.04	
PB67	1727572.71	6450848.08	66.92	-66.02	-10.10	-9.09	189	66.79	2014	-4.07	-1.04	-0.61	194	4.20	3.11	0.04	
PB69	1727764.46	6448771.39	162.60	-18.58	-7.19	-2.08	201	19.92	2015	-3.72	-1.38	-0.30	200	3.96	2.94	0.04	
PB70	1727837.91	6448611.79	150.49	-17.00	-7.80	-5.75	205	18.70	2015	-3.74	-1.47	-0.27	201	4.01	2.97	0.04	
PB71	1728449.06	6449708.74	285.46	-15.66	-4.28	-1.86	195	16.23	2019	-4.30	-1.09	-0.43	194	4.44	3.29	0.04	
PB72	1727641.21	6449337.25	196.74	-9.11	-4.18	0.85	205	10.03	2023	-3.70	-1.66	0.34	204	4.05	3.00	0.04	
PB73	1729987.55	6451648.37	294.19	-8.40	-1.31	-1.21	189	8.50	2023	-3.33	-0.52	-0.49	189	3.37	2.50	0.04	
PB75	1729073.74	6450349.99	271.00	-10.12	-1.92	-0.91	191	10.30	2023	-4.10	-0.76	-0.40	190	4.17	3.09	0.04	
PVE3RP	1729195.88	6438764.68	346.88	0.00	0.00	0.00	0	0.00	2015	0.00	0.00	0.00	0	0.00		0.00	FIXED
RP01	1725591.73	6455633.55	292.69	-0.01	0.02	-0.05	133	0.02	2023	-0.02	-0.02	0.06	216	0.03		0.03	*
RP02	1730833.00	6445586.62	480.61	New Pt													
														Av.	2.1		

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of May 28, 2024

Prepared by McGee Surveying Consulting - Document Date: June 7, 2024

Monitoring Point Movements

Full MONITORING #42 (M42)

Notes:

Note	Date	- Elapsed Mo.
(a)	10/10/2023	7.59
(b)	1/13/2024	4.471
(c)	3/8/2024	2.663

* = Indicates no horizontal movement detected in the Period at the 95% level of confidence

	May 28, 2024 Positions			Overall Movements (US Feet)						Periodic Movements (US Feet)										
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to May 28, 2024						April 17 to May 28, 2024 (1.35 Mo.) Unless Otherwise Noted										Rate/Mo
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	2D Dist.	Year	North	East	Height	Azim.°	2D Dist.	95%Err	Rate/Mo.	Note		Point	% Chg
AB01	1729427.54	6445709.62	178.66	-0.05	0.01	0.04	174	0.05	1994	0.00	0.03	0.10	81	0.03	0.04		*		AB01	
AB02	1726946.98	6447968.67	116.56	-0.01	-0.02	0.08	248	0.02	2007	0.02	-0.01	0.00	344	0.02	0.04		*		AB02	
AB04	1728371.92	6447104.10	64.46	-20.08	#####	-3.11	224	27.81	1994	-3.08	-3.22	-0.46	226	4.46	0.04	3.31			AB04	26
AB05	1728061.05	6447627.73	77.98	-14.67	#####	-2.92	230	22.79	1994	-7.77	-8.96	-1.10	229	11.86	0.04	2.65	(b)		AB05	
AB13	1729908.95	6448230.56	360.64	-19.94	-5.48	-4.39	195	20.68	1994	-5.14	-1.41	-0.92	195	5.33	0.04	3.95			AB13	31
AB16	1730346.03	6447529.70	375.73	-12.85	-2.43	-0.89	191	13.08	1994	-3.72	-0.75	-0.19	191	3.79	0.04	2.81			AB16	31
AB17	1731420.99	6446727.79	442.77	-0.14	0.02	-0.03	173	0.14	2007	-0.01	0.01	-0.02	147	0.02	0.04				AB17	
AB21	1729333.48	6449668.74	394.64	-21.59	-6.28	-0.30	196	22.49	2023	-5.54	-1.56	-0.07	196	5.76	0.04	4.27			AB21	33
AB24	1729809.10	6447753.93	335.43	-21.26	-6.03	-0.49	196	22.10	1997	#####	-3.42	-0.35	194	13.74	0.04	3.07	(b)		AB24	
AB50	1728076.70	6448236.84	183.03	-8.30	#####	1.05	234	14.05	1998	-2.14	-2.52	0.32	230	3.30	0.04	2.45			AB50	34
AB51	1729601.22	6447300.80	304.22	-15.80	-5.74	-1.20	200	16.81	2002	-4.08	-1.52	-0.10	200	4.35	0.04	3.23			AB51	26
AB53	1730409.37	6449708.53	350.54	-21.74	-3.84	-2.59	190	22.07	2002	#####	-2.29	-1.44	190	13.58	0.04	3.04	(b)		AB53	
AB57	1731912.15	6449758.92	560.18	-14.76	-0.44	-4.75	182	14.76	2007	-4.33	-1.04	-1.38	193	4.46	0.04	3.31			AB57	67
AB58	1731097.85	6449074.12	402.26	-20.17	-0.81	-3.41	182	20.18	2007	-5.48	-0.32	-1.02	183	5.49	0.04	4.07			AB58	27
AB59	1730826.79	6450210.23	428.31	-24.08	-2.32	-6.06	186	24.19	2007	-6.36	-0.67	-1.58	186	6.40	0.04	4.75			AB59	39
AB60	1729071.43	6447979.30	177.57	-18.28	-8.27	-1.88	204	20.06	2007	-4.56	-2.07	-0.43	204	5.01	0.04	3.71			AB60	23
AB62	1728892.99	6446917.18	141.04	-17.36	-8.28	-1.97	206	19.23	2007 2011	-2.93	-1.84	-0.30	212	3.46	0.04	2.57			AB62	10
AB63	1729040.70	6447297.07	175.39	-18.60	-9.97	-5.45	208	21.10	2011	#####	-5.78	-2.97	209	11.80	0.04	2.64	(b)		AB63	
AB64	1731829.70	6447373.86	531.80	-0.99	0.78	-0.45	142	1.26	2012	-0.19	0.16	-0.12	140	0.25	0.04	0.18			AB64	52
AB65	1731690.61	6448266.70	454.17	-15.06	2.63	-4.36	170	15.29	2012	-4.43	0.58	-1.29	172	4.47	0.04	3.31			AB65	31
AB66	1730029.19	6448486.01	371.35	-18.10	-4.52	-2.93	194	18.65	2012	#####	-2.88	-1.80	194	12.23	0.04	2.74	(b)		AB66	
AB67	1731168.41	6447741.19	402.68	-12.00	-0.57	-2.64	183	12.01	2012	-3.61	-0.27	-0.82	184	3.63	0.04	2.69			AB67	32
AB68	1730241.49	6448051.67	390.02	-17.36	-3.70	-3.42	192	17.75	2012	-4.93	-1.07	-0.76	192	5.04	0.04	3.74			AB68	35
AB70	1729270.76	6448345.24	252.59	-20.71	-7.63	-1.56	200	22.07	2015	-5.41	-1.92	-0.49	199	5.74	0.04	4.26			AB70	25
AB71	1732215.81	6448555.82	567.62	-8.32	4.01	-3.91	154	9.23	2016	-1.87	1.15	-1.35	148	2.20	0.04	1.63			AB71	29
AB73	1728439.13	6448387.35	305.40	-16.91	-6.68	-1.31	202	18.18	2020	-4.61	-1.70	-0.32	200	4.91	0.04	3.65			AB73	28
AB74	1729603.63	6446851.90	271.54	-1.96	-1.24	-0.36	212	2.32	2024	-1.96	-1.24	-0.36	212	2.32	0.04	1.72			AB74	
AB75	1729614.86	6449334.88	348.81	-5.31	-1.48	-0.21	196	5.51	2024	-5.31	-1.48	-0.21	196	5.51	0.04	4.09			AB75	
AB76	1730023.02	6446806.72	386.05	-0.11	0.08	-0.23	142	0.13	2024	-0.11	0.08	-0.23	142	0.13	0.04	0.10			AB76	
AB77	1733161.92	6446514.85	895.32	New Pt															AB77	
CR07	1731617.86	6451205.60	622.83	-10.92	2.41	#####	168	11.18	1994	-2.62	0.60	-2.68	167	2.68	0.06	1.99			CR07	68
CR50	1733013.38	6451037.06	872.45	-0.23	-0.32	-0.21	234	0.39	2007	-0.05	-0.10	0.00	244	0.12	0.06	0.09			CR50	
CR51	1733061.78	6452361.63	975.98	-0.25	-0.23	-0.27	222	0.34	2007	-0.12	-0.20	-0.12	240	0.24	0.06	0.05	(b)		CR51	
CR53	1732779.87	6450223.63	780.49	-0.41	-0.57	-0.24	234	0.70	2012	-0.06	-0.09	-0.06	238	0.11	0.04	0.08			CR53	
CR54	1731229.71	6450989.39	523.38	-15.53	-2.43	-4.17	189	15.72	2023	-5.52	-0.85	-1.48	189	5.58	0.04	4.14			CR54	37
CR55	1735390.00	6450646.19	1152.78	-0.04	0.02	-0.07	156	0.04	2024	-0.04	0.02	-0.07	156	0.04	0.04				CR55	
CR56	1733194.41	6449201.90	782.58	New Pt					2024										CR56	
CW01	1734174.30	6450266.34	1175.36	-0.01	0.02	0.02	121	0.03	2022	0.01	0.03	0.01	74	0.03	0.04		(b)	*	CW01	
CW05	1732067.86	6450635.13	701.67	-0.50	-0.38	-0.27	217	0.63	2022	-0.29	-0.25	-0.35	221	0.38	0.06	0.08	(b)		CW05	
CW06	1730906.23	6452118.17	529.55	-0.02	0.00	-0.21	194	0.02	2022	-0.03	-0.03	-0.30	223	0.05	0.06		(b)	*	CW06	
CW07	1729726.82	6453210.32	543.22	-0.02	-0.02	-0.10	216	0.03	2022	-0.01	0.02	-0.15	116	0.02	0.06		(a)	*	CW07	
CW08	1729146.31	6453119.72	607.28	0.02	-0.06	-0.17	292	0.06	2022	0.04	-0.03	-0.22	328	0.05	0.06		(a)	*	CW08	
FT06	1729838.10	6452756.23	480.40	-17.51	-3.98	-8.66	193	17.95	2007	-8.13	-2.05	-4.15	194	8.39	0.06	1.88	(b)		FT06	
FT08	1729388.65	6453350.45	658.12	-0.03	-0.05	-0.32	243	0.06	2007	0.00	0.00	-0.23	256	0.00	0.06		(a)	*	FT08	
FT09	1729052.87	6454289.26	590.83	-0.02	-0.04	0.00	240	0.05	2020	-0.01	0.04	-0.21	102	0.04	0.04		(b)	*	FT09	
KC05	1727079.10	6453176.38	227.18	-2.90	-2.72	-0.68	223	3.97	1994	-1.20	-1.32	-0.20	228	1.79	0.04	0.40	(b)		KC05	
KC06	1727783.47	6453390.03	297.55	-1.44	-6.63	-2.80	258	6.79	1994	-0.24	-1.62	-0.53	262	1.64	0.04	1.22			KC06	68
KC07	1727759.37	6453683.87	313.49	0.18	-0.04	-0.34	346	0.19	1994	0.00	-0.02	0.07	275	0.02	0.04		*		KC07	
KC13	1726578.18	6453069.13	191.61	-2.97	-0.50	0.41	190	3.02	2007	-1.25	-0.13	0.42	186	1.26	0.04	0.28	(b)		KC13	
KC14	1726742.32	6453805.64	260.01	-0.12	-0.41	0.07	254	0.43	2007	-0.05	-0.11	-0.04	246	0.12	0.04		(b)		KC14	
KC15	1727586.89	6453115.78	285.40	-3.57	-5.31	-1.70	236	6.40	2007	-0.75	-1.36	-0.32	241	1.55	0.04	1.15			KC15	64
KC16	1727602.24	6454098.24	327.23	-0.01	0.01	0.33	141	0.01	2007	0.00	0.00	0.03	166	0.00	0.04		(b)	*	KC16	
KC17	1727298.79	6453022.70	213.90	-3.98	-3.73	-1.36	223	5.45	2012	-0.90	-0.96	-0.27	227	1.31	0.04	0.98			KC17	55
KC18	1727988.71	6452617.54	290.07	-11.79	-4.63	-1.10	201	12.67	2019	-6.30	-2.48	-0.54	201	6.77	0.04	1.51	(b)		KC18	
KC19	1727780.38	6453493.07	304.84	-0.02	-4.15	-1.50	270	4.15	2023	0.00	-2.87	-1.27	270	2.87	0.04	0.64	(b)		KC19	
KC20	1727695.43	6453565.76	305.64	0.26	-3.79	-1.66	274	3.80	2023	0.09	-1.31	-0.50	274	1.31	0.04	0.97			KC20	70
KC21	1728095.84	6453495.11	383.62	0.02	0.03	0.02	49	0.03	2023	0.02	-0.01	-0.03	335	0.03	0.04		(b)	*	KC21	
KC22	1728009.27	6453293.17	332.01	-0.89	-4.72	-2.34	259	4.80	2023	-0.28	-1.87	-0.85	261	1.89	0.04	1.40			KC22	81
KC23	1727350.25	6453324.69	268.52	-1.17	-2.32	-0.78	243	2.60	2023	-0.41	-0.93	-0.27	246	1.02	0.04	0.75			KC23	71
KC24	1726978.47	6452125.14	13.99	-5.19	-1.74	-0.19	199	5.47	2023	-1.94	-0.66	-0.03	199	2.05	0.04	1.52			KC24	53
KC25	1726305.18	6452805.56	19.81	-0.11	-0.05	0.00	206	0.12	2024	-0.11	-0.05	0.00	206	0.12	0.04	0.09			KC25	
KC26	1726727.99	6452426.85	26.46	-1.54	-0.26	1.72	190	1.56	2024	-1.54	-0.26	1.72	190	1.56	0.04	1.16			KC26	
KC27	1726834.17	6452220.62	22.51	-1.49	-0.33	1.23	193	1.53	2024	-1.49	-0.33	1.23	193	1.53	0.04	1.13			KC27	
KC28	1726775.57	6451999.66	21.60	-2.22	-0.25	1.66	186	2.24	2024	-2.22	-0.25	1.66	186	2.24	0.04	1.66			KC28	
KC29	1726931.79	6451936.87	18.56	-2.64	-0.77	0.66	196	2.75	2024	-2.64	-0.77	0.66	196	2.75	0.04	2.04			KC29	
KC30	1727540.57	6452145.51	99.69	-3.48	-1.00	-0.56	196	3.62	2024	-3.48	-1.00	-0.56	196	3.62	0.04	2.69			KC30	
KC31	1727921.59	6452357.05	207.40	-3.34	-1.16	-0.10	199	3.54	2024	-3.34	-1.16	-0.10	199	3.54	0.04	2.62			KC31	
PB04	1727640.86	6448839.61	164.34	-35.00	#####	-6.18	199	37.12	1994	-4.64	-1.81	-0.05	201	4.97	0.04	3.69			PB04	29
PB06	1727912.78	6449751.99	174.89	-55.67	-9.85	-8.17	190	56.53	1995	#####	-2.97	-0.85	196	10.61	0.04	2.37	(b)		PB06	
PB07	1728108.96	6450203.86	196.43	-66.97	#####	-3.78	193	68.83	1995	#####	-3.86	-0.36	199	11.97	0.04	2.68	(b)		PB07	
PB08	1728174.76	6450455.36	194.95	-62.74	#####	1.27	193	64.38	1994	-4.55	-1.64	0.24	200	4.84	0.04	3.59			PB08	39
PB09	1728220.04	6450843.63	187.62	-68.54	-7.39	-4.90	186	68.94	1994	-9.64	-2.43	0.46	194	9.94	0.04	2.22	(b)		PB09	
PB12	1728220.28	6451571.84	179.56	-110.21	#####	#####	197	114.96	1994	#####	-3.75	-0.65	198	11.90	0.04	2.66	(b)		PB12	
PB13	1728016.55	6452137.44	205.98	-69.42	#####	-4.56	201	74.45	1995	-4.15	-1.53	-0.05	200	4.42	0.04	3.28			PB13	56
PB18	1730408.15	6450717.53	359.66	-38.73	6.53	-7.93	170	39.28	1995	-5.74	-0.70	-0.75	187	5.78	0.04	4.29			PB18	33
PB20	1728709.38	6451115.42	227.28	-103.39	#####	#####	191	105.35	1995	#####	-3.15	-1.26	195	11.90	0.04	2.66	(b)		PB20	
PB21	1729214.61	6451174.54	268.48	-83.61	2.49	#####	178	83.65	1995	#####	-2.44	-1.42	192	11.68	0.04	2.61	(b)		PB21	
PB26	1729519.01	6452248.27	281.16	-43.64	-1.29	-4.18	182	43.66	1995	-4.99	-0.94	-0.50	191	5.08	0.04	3.77			PB26	63
PB27	1729209.91	6451837.37	265.20	-129.43	1.31	#####	179	129.44	1995	#####	-2.53	-2.17	192	11.76	0.04	2.63	(b)		PB27	
PB29	1728814.66	6452082.51	163.23	-74.29	#####	#####	207	83.43	1995	-8.91	-3.53	-2.33	202	9.59	0.04	2.14	(b)		PB29	
PB54	1729668.77	6450443.52	356.78	-26.12	-5.17	-1.84	191	26.63	1997	#####	-2.73	-0.67	192	13.56	0.04	3.03	(b)		PB54	
PB55	1728747.28	6450794.80	235.09	-65.00	-9.24	#####	188	65.66	1998	-5.09	-1.49	-0.92	196	5.30	0.04	3.93			PB55	37
PB59	1727728.68	6448650.50	153.14	-37.69	#####	#####	197	39.31	2001	#####	-4.43	-0.89	200	12.89	0.04	2.88	(b)		PB59	
PB67	1727567.26	6450846.55	66.39	-71.47	#####	-9.62	189	72.41	2014	-5.45	-1.54	-0.53	196	5.66	0.04	4.20			PB67	35
PB68	1727643.69	6448975.32	171.88	-21.75	-7.67	-1.23	199	23.07	2015	#####	-4.37	0.32	202	11.84		2.65	(b)		PB68	
PB69	1727759.57	6448769.57	162.56	-23.47	-9.01	-2.12	201	25.14	2015	-4.89	-1.82	-0.04	200	5.22	0.04	3.87			PB69	32
PB70	1727832.86	6448609.96	150.36	-22.05	-9.63	-5.88	204	24.06	2015	-5.05	-1.84	-0.12	200	5.38	0.04	3.99			PB70	34
PB71	1728443.42	6449707.13	285.06	-21.29	-5.89	-2.25	195	22.09	2019	-5.64	-1.60	-0.39	196	5.86	0.04	4.35			PB71	32
PB72	1727636.34	6449335.09	197.39	-13.99	-6.33	1.51	204	15.35	2023	-4.87	-2.15	0.66	204	5.33	0.04	3.95			PB72	32
PB73	1729982.83	6451647.54	293.40	-13.11	-2.14	-2.00	189	13.29	2023	-4.72	-0.84	-0.79	190	4.79	0.04	3.55			PB73	42
PB74	1727524.82	6451689.38	101.02	-14.47	-3.44	-1.26	193	14.87	2023	#####	-2.73	-0.89	193	11.79		2.64	(b)		PB74	
PB75	1729068.27	6450348.77	270.51	-15.59	-3.13	-1.40	191	15.90	2023	-5.47	-1.21	-0.49	193	5.61	0.04	4.16			PB75	35
UB02	1727485.32	6450142.01	64.03	-95.79	8.22	-3.12	175	96.15	1997	-9.68	-1.24	0.86	187	9.76		2.18	(b)		UB02	
PVE3RP	1729195.88	6438764.68	346.88	0.00	0.00	0.00		0.00	2015	0.00	0.00	0.00		0.00	0.00		FIXED		PVE3RP	
RP01	1725591.74	6455633.56	292.71	0.00	0.03	-0.02	96	0.03	2023	0.01	0.01	0.02	43	0.02	0.03		*		RP01	
RP02	1730832.97	6445586.64	480.59	-0.03	0.02	-0.01	143	0.04	2024	-0.03	0.02	-0.01							RP02	
															Av.	2.50				41

PORTUGUESE BEND LANDSLIDE MONITORING - MOVEMENT as of July 1, 2024
Prepared by McGee Surveying Consulting - Document Date: July 7, 2024
Monitoring Point Movements
Full MONITORING #43 (M43)

Michael R. McGee, PLS3945

Notes:
An average month is 30.42 days
* = Indicates no horizontal movement detected in the Period at the 95% level of confidence

	July 1, 2024 Positions			Overall Movements (US Feet)						Periodic Movements (US Feet)										
	NAD83 SPC Zone 5 (Ft)		NAVD88	Original Position to July 1, 2024						28, 2024 TO July 1, 2024 (1.12 Mo.) Unless Otherwise N										Rate/Mo
Point	North (ft)	East (ft)	Elev(ft)	North	East	Height	Azim.°	2D Dist.	Year	North	East	Height	Azim.°	2D Dist.	95%Err	Rate/Mo.	Note	Point	% Chg	
AB01	1729427.54	6445709.60	178.61	-0.04	-0.02	-0.01	201	0.04	1994	0.01	-0.02	-0.05	286	0.02	0.04		*	AB01		
AB02	1726946.96	6447968.67	116.51	-0.02	-0.02	0.02	225	0.03	2007	-0.01	0.00	-0.06	189	0.01	0.04		*	AB02		
AB04	1728369.34	6447101.33	64.05	-22.66	#####	-3.52	224	31.59	1994	-2.58	-2.77	-0.41	227	3.79	0.04	3.38		AB04	2	
AB05	1728058.43	6447624.73	77.74	-17.29	#####	-3.17	230	26.77	1994	-2.62	-3.00	-0.25	229	3.98	0.04	3.56		AB05	34	
AB13	1729904.63	6448229.24	359.90	-24.27	-6.80	-5.13	196	25.20	1994	-4.33	-1.32	-0.74	197	4.52	0.04	4.04		AB13	2	
AB16	1730342.83	6447529.02	375.53	-16.06	-3.10	-1.09	191	16.35	1994	-3.20	-0.68	-0.20	192	3.27	0.04	2.92		AB16	4	
AB17	1731420.97	6446727.79	442.73	-0.15	0.01	-0.07	176	0.15	2007	-0.02	0.00	-0.04	196	0.02	0.04		*	AB17		
AB21	1729328.69	6449667.37	394.48	-26.38	-7.65	-0.46	196	27.47	2023	-4.78	-1.37	-0.16	196	4.98	0.04	4.44		AB21	4	
AB24	1729804.35	6447752.55	335.42	-26.00	-7.41	-0.50	196	27.04	1997	-4.75	-1.39	-0.01	196	4.94	0.04	4.41		AB24	44	
AB50	1728074.89	6448234.75	183.27	-10.11	#####	1.29	233	16.81	1998	-1.81	-2.09	0.24	229	2.77	0.04	2.47		AB50	1	
AB51	1729597.59	6447299.37	304.13	-19.42	-7.17	-1.29	200	20.70	2002	-3.62	-1.42	-0.09	201	3.89	0.04	3.48		AB51	8	
AB53	1730404.48	6449707.67	349.96	-26.62	-4.70	-3.17	190	27.04	2002	-4.89	-0.87	-0.58	190	4.96	0.04	4.43		AB53	46	
AB57	1731908.24	6449758.02	558.95	-18.67	-1.34	-5.98	184	18.72	2007	-3.91	-0.90	-1.23	193	4.01	0.04	3.58		AB57	8	
AB58	1731093.02	6449073.82	401.37	-25.00	-1.11	-4.30	183	25.02	2007	-4.83	-0.31	-0.89	184	4.84	0.04	4.32		AB58	6	
AB59	1730821.36	6450209.66	426.78	-29.51	-2.90	-7.59	186	29.65	2007	-5.43	-0.57	-1.53	186	5.46	0.04	4.88		AB59	3	
AB60	1729067.41	6447977.39	177.25	-22.29	#####	-2.20	205	24.50	2007	-4.02	-1.91	-0.33	205	4.45	0.04	3.97		AB60	7	
AB62	1728890.58	6446915.56	140.80	-19.77	-9.90	-2.21	207	22.11	2011	-2.41	-1.62	-0.25	214	2.90	0.04	2.59		AB62	1	
AB63	1729037.41	6447295.01	174.44	-21.89	#####	-6.40	209	24.97	2011	-3.29	-2.05	-0.95	212	3.88	0.04	3.46		AB63	31	
AB64	1731829.57	6447374.00	531.68	-1.12	0.92	-0.57	141	1.45	2012	-0.13	0.14	-0.12	132	0.19	0.04	0.17		AB64	-8	
AB65	1731686.79	6448267.14	452.92	-18.89	3.07	-5.62	171	19.13	2012	-3.82	0.44	-1.26	173	3.85	0.04	3.44		AB65	4	
AB66	1730024.89	6448484.88	370.76	-22.40	-5.65	-3.52	194	23.10	2012	-4.30	-1.13	-0.59	195	4.44	0.04	3.97		AB66	45	
AB67	1731165.32	6447740.97	402.02	-15.09	-0.79	-3.31	183	15.11	2012	-3.10	-0.22	-0.66	184	3.10	0.04	2.77		AB67	3	
AB68	1730237.30	6448050.73	389.26	-21.56	-4.63	-4.18	192	22.05	2012	-4.19	-0.94	-0.76	193	4.29	0.04	3.83		AB68	3	
AB70	1729266.01	6448343.47	252.21	-25.47	-9.39	-1.94	200	27.15	2015	-4.76	-1.77	-0.38	200	5.07	0.04	4.53		AB70	6	
AB71	1732213.14	6448556.39	565.52	-10.98	4.58	-6.01	157	11.90	2016	-2.66	0.58	-2.10	168	2.72	0.04	2.43		AB71	49	
AB73	1728435.09	6448385.84	305.00	-20.95	-8.19	-1.70	201	22.49	2020	-4.03	-1.51	-0.39	201	4.31	0.04	3.85		AB73	5	
AB74	1729601.76	6446850.70	271.20	-3.83	-2.44	-0.70	213	4.54	2024	-1.87	-1.21	-0.34	213	2.22	0.04	1.99		AB74	15	
AB75	1729610.17	6449333.56	348.51	-9.99	-2.80	-0.51	196	10.37	2024	-4.68	-1.32	-0.30	196	4.87	0.04	4.34		AB75	6	
AB76	1730022.99	6446806.75	385.98	-0.14	0.11	-0.30	142	0.18	2024	-0.03	0.03	-0.07	140	0.04	0.04		*	AB76		
AB77	1733161.91	6446514.82	895.29	-0.01	-0.03	-0.03	254	0.03	2024	-0.01	-0.03	-0.03	254	0.03	0.04		*	AB77		
CR07	1731615.09	6451206.27	620.70	-13.69	3.08	#####	167	14.03	1994	-2.77	0.66	-2.13	167	2.85	0.04	2.54		CR07	28	
CR50	1733013.31	6451036.91	872.41	-0.30	-0.46	-0.25	237	0.55	2007	-0.07	-0.15	-0.04	244	0.16	0.04	0.14		CR50		
CR51	1733061.68	6452361.46	976.00	-0.35	-0.40	-0.25	229	0.53	2007	-0.10	-0.17	0.02	240	0.20	0.04	0.18		CR51		
CR53	1732779.77	6450223.44	780.44	-0.50	-0.76	-0.29	236	0.91	2012	-0.10	-0.19	-0.05	243	0.21	0.04	0.19		CR53		
CR54	1731224.78	6450988.69	522.04	-20.45	-3.14	-5.51	189	20.69	2023	-4.92	-0.70	-1.34	188	4.97	0.04	4.44		CR54	7	
CR55																				
CR56	1733194.40	6449201.89	782.61	0.00	0.00	0.03	231	0.01	2024	0.00	0.00	0.03	231	0.01	0.04		*	CR56		
CW01	1734174.29	6450266.33	######	-0.02	0.01	0.00	156	0.02	2022	-0.01	-0.01	-0.01	250	0.01	0.04		*	CW01		
CW05	1732067.75	6450634.99	701.93	-0.60	-0.51	-0.01	220	0.79	2022	-0.10	-0.13	0.26	232	0.17	0.04	0.15		CW05		
CW06	1730906.26	6452118.17	529.77	0.01	0.00	0.01	356	0.01	2022	0.03	0.00	0.22	6	0.03	0.04		*	CW06		
CW07	1729726.85	6453210.35	543.41	0.00	0.01	0.09	61	0.01	2022	0.03	0.02	0.19	43	0.04	0.04		*	CW07		
CW08	1729146.31	6453119.78	607.49	0.02	-0.01	0.04	348	0.02	2022	0.00	0.05	0.21	91	0.05	0.04	0.05		CW08		
FT06	1729834.48	6452755.33	478.74	-21.13	-4.88	#####	193	21.69	2007	-3.63	-0.90	-1.67	194	3.74	0.04	3.33		FT06	78	
FT08	1729388.69	6453350.47	658.35	0.00	-0.04	-0.09	277	0.04	2007	0.03	0.02	0.24	26	0.04	0.04		*	FT08		
FT09	1729052.89	6454289.23	590.78	-0.01	-0.07	-0.05	263	0.07	2020	0.02	-0.03	-0.05	301	0.03	0.04		*	FT09		
KC05	1727078.56	6453175.70	227.00	-3.44	-3.39	-0.86	225	4.83	1994	-0.54	-0.68	-0.17	231	0.87	0.04	0.77		KC05	93	
KC06	1727783.19	6453388.45	296.98	-1.72	-8.21	-3.37	258	8.39	1994	-0.28	-1.58	-0.57	260	1.60	0.04	1.43		KC06	18	
KC07	1727759.38	6453683.86	313.40	0.19	-0.06	-0.43	343	0.20	1994	0.01	-0.01	-0.09	302	0.02	0.04		*	KC07		
KC13	1726577.61	6453069.02	191.78	-3.55	-0.61	0.58	190	3.60	2007	-0.57	-0.11	0.18	191	0.58	0.04	0.52		KC13	86	
KC14	1726742.32	6453805.59	259.97	-0.12	-0.46	0.03	256	0.48	2007	0.00	-0.05	-0.04	270	0.05	0.04	0.05		KC14		
KC15	1727586.16	6453114.52	284.93	-4.29	-6.58	-2.17	237	7.86	2007	-0.73	-1.27	-0.47	240	1.46	0.04	1.30		KC15	13	
KC16	1727602.23	6454098.21	327.16	-0.02	-0.03	0.26	237	0.03	2007	-0.01	-0.03	-0.07	260	0.03	0.04		*	KC16		
KC17	1727297.94	6453021.73	213.53	-4.83	-4.70	-1.72	224	6.73	2012	-0.85	-0.97	-0.37	229	1.29	0.04	1.15		KC17	18	
KC18	1727985.78	6452616.29	289.75	-14.72	-5.88	-1.42	202	15.85	2019	-2.93	-1.24	-0.32	203	3.19	0.04	2.84		KC18	88	
KC19	1727780.31	6453491.69	304.24	-0.09	-5.53	-2.10	269	5.53	2023	-0.07	-1.38	-0.60	267	1.38	0.04	1.23		KC19	92	
KC20	1727695.46	6453564.52	305.07	0.29	-5.02	-2.23	273	5.03	2023	0.03	-1.24	-0.57	271	1.24	0.04	1.11		KC20	14	
KC21	1728095.86	6453495.11	383.58	0.03	0.02	-0.03	34	0.04	2023	0.01	0.00	-0.04	351	0.01	0.04		*	KC21		
KC22	1728008.94	6453291.28	331.08	-1.22	-6.60	-3.27	259	6.72	2023	-0.33	-1.88	-0.93	260	1.91	0.04	1.71		KC22	22	
KC23	1727349.84	6453323.79	268.20	-1.58	-3.22	-1.10	244	3.59	2023	-0.41	-0.90	-0.32	246	0.99	0.04	0.88		KC23	17	
KC24	1726976.59	6452124.46	13.98	-7.07	-2.42	-0.21	199	7.47	2023	-1.88	-0.68	-0.01	200	2.00	0.04	1.79		KC24	18	
KC25	1726305.10	6452805.49	19.79	-0.19	-0.12	-0.01	212	0.23	2024	-0.08	-0.07	-0.02	219	0.11	0.04	0.10		KC25	11	
KC26	1726726.48	6452426.52	28.02	-3.05	-0.59	3.28	191	3.10	2024	-1.51	-0.33	1.56	192	1.54	0.04	1.38		KC26	19	
KC27	1726832.71	6452220.22	23.68	-2.95	-0.73	2.40	194	3.04	2024	-1.46	-0.40	1.18	195	1.52	0.04	1.35		KC27	20	
KC28	1726773.42	6451999.33	23.10	-4.37	-0.57	3.16	187	4.41	2024	-2.15	-0.32	1.49	189	2.17	0.04	1.94		KC28	17	
KC29	1726929.34	6451936.09	19.09	-5.09	-1.54	1.19	197	5.32	2024	-2.45	-0.77	0.53	198	2.57	0.04	2.29		KC29	12	
KC30	1727537.18	6452144.39	98.96	-6.87	-2.12	-1.29	197	7.19	2024	-3.39	-1.12	-0.72	198	3.57	0.04	3.19		KC30	19	
KC31	1727918.19	6452355.80	207.15	-6.74	-2.41	-0.35	200	7.16	2024	-3.40	-1.25	-0.25	200	3.62	0.04	3.23		KC31	23	
PB04	1727636.92	6448838.07	164.31	-39.01	#####	-6.21	199	41.34	1994	-3.93	-1.54	-0.03	201	4.22	0.04	3.77		PB04	2	
PB06	1727909.15	6449750.82	174.60	-59.29	#####	-8.46	191	60.31	1995	-3.63	-1.17	-0.28	198	3.81	0.04	3.40		PB06	43	
PB07	1728104.85	6450202.27	196.35	-71.08	#####	-3.86	194	73.20	1995	-4.11	-1.59	-0.08	201	4.41	0.04	3.94		PB07	47	
PB08	1728170.99	6450453.91	195.11	-66.51	#####	1.43	193	68.39	1994	-3.77	-1.45	0.16	201	4.04	0.04	3.61		PB08	1	
PB09	1728216.53	6450842.60	187.66	-72.05	-8.43	-4.86	187	72.54	1994	-3.51	-1.03	0.04	196	3.66	0.04	3.27		PB09	47	
PB12	1728215.65	6451570.23	179.23	-114.83	#####	#####	197	119.86	1994	-4.63	-1.61	-0.34	199	4.90	0.04	4.37		PB12	64	
PB13	1728013.17	6452136.16	205.91	-72.80	#####	-4.63	201	78.06	1995	-3.38	-1.29	-0.07	201	3.61	0.04	3.23		PB13	-2	
PB18	1730402.85	6450716.78	358.82	-44.03	5.78	-8.76	173	44.41	1995	-5.30	-0.75	-0.83	188	5.35	0.04	4.78		PB18	12	
PB20	1728704.63	6451113.93	226.80	-108.14	#####	#####	191	110.30	1995	-4.75	-1.49	-0.48	197	4.98	0.04	4.45		PB20	67	
PB21	1729209.93	6451173.34	267.80	-88.28	1.29	#####	179	88.29	1995	-4.68	-1.20	-0.68	194	4.83	0.04	4.31		PB21	65	
PB26	1729514.91	6452247.43	280.84	-47.74	-2.13	-4.50	183	47.79	1995	-4.10	-0.85	-0.33	192	4.19	0.04	3.74		PB26	-1	
PB27	1729205.05	6451836.19	264.18	-134.29	0.13	#####	180	134.29	1995	-4.85	-1.18	-1.01	194	4.99	0.04	4.46		PB27	70	
PB29	1728811.32	6452081.07	162.29	-77.62	#####	#####	207	87.06	1995	-3.33	-1.44	-0.94	203	3.63	0.04	3.24		PB29	51	
PB54	1729663.54	6450442.27	356.58	-31.36	-6.41	-2.04	192	32.01	1997	-5.23	-1.24	-0.20	193	5.38	0.04	4.80		PB54	58	
PB55	1728742.49	6450793.31	234.26	-69.80	#####	#####	189	70.62	1998	-4.79	-1.49	-0.83	197	5.02	0.04	4.48		PB55	14	
PB59	1727724.55	6448648.98	152.82	-41.82	#####	#####	197	43.70	2001	-4.13	-1.52	-0.32	200	4.40	0.04	3.93		PB59	36	
PB67	1727562.78	6450845.18	65.89	-75.95	#####	#####	190	77.05	2014	-4.48	-1.37	-0.50	197	4.68	0.04	4.18		PB67	0	
PB68	1727639.80	6448973.77	171.93	-25.64	-9.22	-1.18	200	27.25	2015	-3.89	-1.55	0.05	202	4.19		3.74		PB68	41	
PB69	1727755.53	6448768.07	162.45	-27.51	#####	-2.23	201	29.45	2015	-4.04	-1.50	-0.11	200	4.31	0.04	3.85		PB69	-1	
PB70	1727828.66	6448608.47	150.14	-26.25	#####	-6.10	203	28.51	2015	-4.20	-1.49	-0.22	200	4.45	0.04	3.98		PB70	0	
PB71	1728438.50	6449705.66	284.74	-26.21	-7.36	-2.57	196	27.23	2019	-4.92	-1.47	-0.32	197	5.14	0.04	4.58		PB71	5	
PB72	1727632.27	6449333.21	197.90	-18.05	-8.21	2.01	204	19.83	2023	-4.06	-1.88	0.50	205	4.48	0.04	4.00		PB72	1	
PB73	1729978.69	6451646.70	292.77	-17.25	-2.98	-2.63	190	17.50	2023	-4.14	-0.83	-0.63	191	4.22	0.04	3.77		PB73	6	
PB74	1727520.38	6451688.21	100.59	-18.91	-4.61	-1.70	194	19.47	2023	-4.44	-1.17	-0.43	195	4.60		4.10		PB74	56	
PB75	1729063.24	6450347.57	270.08	-20.61	-4.33	-1.83	192	21.06	2023	-5.02	-1.20	-0.43	193	5.17	0.04	4.61		PB75	11	
UB02	1727481.66	6450141.34	64.42	-99.45	7.56	-2.73	176	99.74	1997	-3.66	-0.67	0.39	190	3.72		3.32		UB02	52	
PVEJRP	1729195.88	6438764.68	346.88	0.00	0.00	0.00	#DIV/0!	0.00	2015	0.00	0.00	0.00		0.00	0.00		FIXED	PVEJRP		
RP01	1725591.77	6455633.53	292.66	0.03	0.00	-0.08	355	0.03	2023	0.03	-0.03	-0.05	314	0.04	0.03		*	RP01		
RP02	1730832.98	6445586.63	480.59	-0.02	0.01	-0.02	152	0.03	2024	0.01	-0.01	0.00	305	0.01			*	RP02		
															Av.	2.95		Av.	25	