

ESCUELA SUPERIOR POLITECNICA DEL LITORAL

CASO DE ESTUDIO: CARRETERA CUMBE - OÑA

INEXTEC CIA. LTDA.

CATALOGO DE BACHES

EQUIPO UTILIZADO	TRAMO I	LONGITUD	FECHA
ROMDAS	0+000 - 20+100	20100	2007-12-10

ABSCISA	EVENTO	LATITUD	LONGITUD	ALTURA
0+089	bacho	-3.044432163	-79.04395197	2654.988
0+119	bacho	-3.044687305	-79.04376604	2655.091
0+739	bacho	-3.049240079	-79.04039872	2657.699
0+855	bacho	-3.050116108	-79.03975756	2658.23
0+908	bacho	-3.050501113	-79.03947956	2658.504
0+962	bacho	-3.050878431	-79.03922821	2655.601
1+036	bacho	-3.05139976	-79.03886548	2655.984
1+181	bacho	-3.052517993	-79.03826291	2656.614
2+546	bacho	-3.063064046	-79.03236488	2672.599
2+719	bacho	-3.063988442	-79.03101337	2670.966
3+053	bacho	-3.065630122	-79.02863392	2673.607
3+113	bacho	-3.066025981	-79.02815976	2673.866
5+099	bacho	-3.079474133	-79.01679823	2696.037
5+158	bacho	-3.079944	-79.01664103	2698.595
5+338	bacho	-3.081487786	-79.01612131	2704.13
5+390	bacho	-3.081920677	-79.01594181	2704.897
5+446	bacho	-3.082330755	-79.01574002	2704.855
5+499	bacho	-3.082743495	-79.01552704	2704.348
5+733	bacho	-3.084692669	-79.0145067	2703.618
5+790	bacho	-3.085131763	-79.01427124	2705.409
5+853	bacho	-3.085561469	-79.01404338	2706.86
5+910	bacho	-3.085985738	-79.01381828	2708.294
6+299	bacho	-3.089200765	-79.01240602	2717.632
6+338	Bacheo Mayor	-3.089503199	-79.01232941	2718.773
6+368		-3.089760772	-79.01225237	2719.755
6+405		-3.090080843	-79.01215098	2720.338
6+434	bacho	-3.090377803	-79.01201841	2720.722
6+494	bacho	-3.090863632	-79.01171974	2720.901
6+575	bacho	-3.091439887	-79.01132389	2722.191
6+623	bacho	-3.091758024	-79.01110011	2722.285
6+667	bacho	-3.092167434	-79.01082021	2722.161
6+725	Bacheo Mayor	-3.092552792	-79.01054956	2720.726
6+769		-3.092820116	-79.01034168	2719.997
6+806		-3.093073113	-79.01013379	2719.05
6+843		-3.093396193	-79.00983426	2718.826
6+882		-3.093636114	-79.00958524	2719.393
6+924	bacho	-3.093891148	-79.00931935	2720.396
7+503	bacho	-3.098338011	-79.00782902	2736.32
7+601	bacho	-3.09921131	-79.00806844	2737.815
7+754	Bacheo Mayor	-3.100490716	-79.00846817	2734.891
7+794		-3.100896584	-79.00856717	2738.908
7+866	Bacheo Mayor	-3.101462432	-79.00867587	2734.636
7+889		-3.101627639	-79.00866387	2734.468
7+902		-3.101741029	-79.00865355	2734.702
7+917		-3.101883083	-79.00863188	2733.102
7+926		-3.101980696	-79.00863674	2737.714
7+943		-3.102137008	-79.00862166	2738.39
7+976		-3.10247026	-79.00859518	2737.745
7+999		-3.102672159	-79.00857483	2738.342
8+028		-3.102897067	-79.00856295	2738.701

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ROMDAS	0+000 - 20+100	20100	2007-12-10

ABSCISA	EVENTO	LATITUD	LONGITUD	ALTURA
8+049		-3.103051364	-79.00857787	2739.177
8+066		-3.103233892	-79.00860221	2739.86
8+131		-3.103820562	-79.00877547	2742.585
8+164		-3.104064309	-79.00885269	2743.785
8+201		-3.10446495	-79.00898644	2746.178
8+237	bacho	-3.104771164	-79.00909648	2748.059
8+346	bacho	-3.105584757	-79.00961688	2752.534
8+447	bacho	-3.106288044	-79.01014813	2753.454
8+809	bacho	-3.10946539	-79.01107135	2760.389
8+942	Bacheo Mayor	-3.11062162	-79.01102575	2765.852
8+989		-3.111104666	-79.01104145	2767.942
9+070	bacho	-3.111758427	-79.01132443	2769.65
9+272	bacho	-3.11337107	-79.01197531	2773.092
9+296	bacho	-3.113569081	-79.01200529	2773.666
9+315	bacho	-3.113728702	-79.01202459	2774.32
9+342	Bacheo Mayor	-3.114169463	-79.01204352	2775.802
9+494		-3.115363117	-79.01145014	2787.413
9+552	bacho	-3.115830172	-79.01138835	2791.511
9+611	bacho	-3.116246364	-79.01146884	2794.848
9+648	Bacheo Mayor	-3.11661947	-79.01157907	2797.502
9+680		-3.116869	-79.01165573	2798.877
9+715		-3.117219401	-79.01172707	2802.776
9+797		-3.117899477	-79.01184485	2806.158
9+822		-3.118090607	-79.01189257	2807.831
10+222	bacho	-3.121083108	-79.0138659	2841.969
10+380	bacho	-3.122400181	-79.01412742	2853.841
10+874	bacho	-3.126911812	-79.01392099	2894.575
10+954	bacho	-3.127565902	-79.01385462	2900.829
14+508	bacho	-3.148272145	-79.02680304	3117.07
14+788	bacho	-3.150242203	-79.02547338	3141.783
15+216	bacho	-3.151269791	-79.02205304	3174.371
16+026	bacho	-3.157159454	-79.02329914	3230.99
16+339	bacho	-3.159895352	-79.02318759	3252.985
16+656	bacho	-3.162240936	-79.02438467	3282.816
16+723	Bacheo Mayor	-3.162519468	-79.02490669	3287.871
16+947		-3.163031731	-79.02689464	3314.797
17+213	bacho	-3.164854825	-79.02796259	3334.195
17+247	bacho	-3.165283872	-79.02791138	3334.762
17+305	Bacheo Mayor	0	0	0
17+364		-3.165941615	-79.02851234	3345.398
17+542		-3.165464297	-79.02992793	3357.941
17+814		-3.16539926	-79.03227442	3370.096
18+234		-3.168510046	-79.03176134	3401.539
18+737		-3.171219588	-79.03402646	3431.57
18+788		-3.171595593	-79.03378576	3433.223
19+079	bacho	-3.172266199	-79.03142823	3445.073
19+123	bacho	-3.172609456	-79.03126265	3446.436
19+169	bacho	-3.173111957	-79.03112799	3447.806
19+230	bacho	-3.173623642	-79.03099723	3449.209
19+277	bacho	-3.174009254	-79.03089593	3449.929

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19+334	bage	-3.174520512	-79.03075981	3450.134
19+385	bage	-3.174869504	-79.0305933	3449.444
19+454	bage	-3.175319788	-79.03011294	3452.078
19+603	bage	-3.176009617	-79.0289981	3451.288

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CASO DE ESTUDIO: CARRETERA CUMBE - OÑA

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CATALOGO DE PARCHES

EQUIPO UTILIZADO	TRAMO I	LONGITUD	FECHA
ROMDAS	0+000 - 20+100	20100	2007-12-10

ABSCISA	EVENTO	LATITUD	LONGITUD	ALTURA
0+263	parche	-3.045765546	-79.04295073	2655.717
0+524	parche	-3.047668817	-79.04155656	2656.811
0+575	parche	-3.048020393	-79.04129955	2657.03
0+624	parche	-3.048380497	-79.04103525	2657.229
2+599	parche	-3.063320512	-79.03199663	2672.336
2+656	parche	-3.063646014	-79.03150819	2669.959
2+769	parche	-3.064243383	-79.03064152	2671.079
2+822	parche	-3.064506777	-79.03026512	2671.544
2+891	parche	-3.064845693	-79.02976176	2672.415
2+944	parche	-3.065104698	-79.02939312	2672.785
3+168	parche	-3.066366121	-79.0278281	2676.459
3+779	parche	-3.070480629	-79.02418183	2681.611
7+832	parche	-3.101211815	-79.00865943	2734.738
11+193	parche	-3.1295719	-79.01324048	2920.503
13+042	parche	-3.141246962	-79.02358572	3010.426
14+325	parche	-3.14668461	-79.02696635	3104.072
14+378	parche	-3.147069639	-79.02710927	3107.092
14+624	parche	-3.149271392	-79.02645752	3126.758
17+700	parche	-3.165032979	-79.03134796	3363.79
17+848	parche	-3.165595007	-79.03248684	3372.76
18+039	parche	-3.167026175	-79.03260186	3384.481
18+138	parche	-3.167580179	-79.03199664	3392.358
18+350	parche	-3.169427524	-79.03209401	3414.427
18+454	parche	-3.16959921	-79.0329157	3420.025
18+840	parche	-3.171818101	-79.03331723	3443.557
18+949	parche	-3.17175357	-79.03234406	3439.902
19+033	parche	-3.171992197	-79.0317013	3443.751