Project	WLF	**UTM_E***	581106.00
Hole ID	WLF-13-003	**UTM_N***	6875204.00
Target	Beach	**Elevation**	1418.00
Depth (m)	202.7	**Start Date**	7/25/2013
Type	Diamond	**End Date**	7/28/2013
Azimuth	93.2	**Logged By**	JL
Dip	-49.7	**Drilled By**	Kluane
Core Size	NTW		

Survey Details

Depth (m)	Azimuth	Dip
0	93.2	-49.7
52.5	93.3	-48.8
102.5	94	-47.5
152.5	95.3	-46.5
202.5	97.1	-45.5

**coordinates in NAD83 UTM 7N.*

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
0	**2.7**	**OVB**						

From (m)	To (m)	Rock Code *Lithological Description*
2.7	**9.5**	**NR_Porphyry** *Entire interval composed of strongly fractured core with discrete gougey faults. Strongly stringered with (1) qtz, qtz-tour and (2) cal. Very strong textural changed from crystalline diorite to finer grained, mottled darker zones. Possibly different intrusion. Also rapid alteration changes producing sharp alteration fronts.*
		Alteration
4.1	9.5	strongly stringered leucocratic. Bottom contact with f.g. darker dior. V. minor tou
		Mineralization
2.7	8.8	patchy mineralization with intervals <10cm with 5% cpy, fracture fill and disseminated cpy + mol, cpy > py

Sample	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
2315280	2.7	4	0.91	71.92	1761.73
2315281	4	6	1.19	62.42	710.08
2315283	6	8	1.32	33.84	451.22
2315284	8	9.5	1.47	40.33	2531.79

From (m)	To (m)	Rock Code *Lithological Description*
9.5	**19.9**	**NR_Diorite** *Green chloritic plagioclase porphyry with diss cpy-(pyr-mol).*
		Alteration
9.5	9.6	strongly stringered leucocratic. Bottom contact with f.g. darker dior. V. minor tou
13	14.3	leucocratic diorite from 12.5-14.3m
		Mineralization
12.2	13.8	erratic pyr and cpy Finely diss, minor vein associated - local zones to 5% cpy
13.8	16.5	diss pyr, cpy, trace mol
16.5	19.9	erratic pyr and cpy finely diss or in < 5mm veinlets trace mol commonly in quartz vnlt

Sample	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
2315284	9.5	10	1.47	40.33	2531.79
2315285	10	12	0.74	31.88	719.24
2315286	12	14	1.04	41.08	979.04
2315287	14	16	0.62	59.19	515.49
2315288	16	18	1.95	61.63	1267.22
2315289	18	19.9	1.52	91.35	1267.00

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
19.9	**34.4**	**NR_Diorite** *Diorite (green)*	2315289	19.9	20	1.52	91.35	1267.00
			2315292	20	22	0.63	138.06	784.97
			2315293	22	24	0.70	146.04	315.93
			2315294	24	26	0.22	28.98	245.43
			2315295	26	28	0.33	74.89	201.56
			2315296	28	30	0.26	30.33	303.34
			2315297	30	32	0.25	34.10	357.69
			2315298	32	34	0.45	39.93	386.07
			2315299	34	34.4	0.43	79.89	424.26
		Alteration						
32	34.4	intense ser alteration, wipes out all texture protolith = diorite? Bottom 40 cm - pink colur = wk hem?						
		Mineralization						
19.9	20.7	erratic pyr and cpy finely diss or in < 5mm veinlets trace mol commonly in quartz vnlt						
20.7	22.5	tr mol and cpy at 22.2						
23	34.4	trace cpy and mol in quartz veinlets and minor diss.						
34.4	**35.9**	**Unknown**	2315299	34.4	35.9	0.43	79.89	424.26
		Alteration						
34.4	35	intense ser alteration, wipes out all texture protolith = diorite? Bottom 40 cm - pink colur = wk hem?						
35	35.9	intense ser alteration, wipes out all texture protolith = diorite? Bottom 40 cm - pink colur = wk hem?						
		Mineralization						
34.4	35.9	trace cpy and mol in quartz veinlets and minor diss.						

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
35.9	**42**	**NR_Diorite** *Fault zone - strong gouge and fault breccia. Top contact 65° TCA (2 planes?). Strong cal in stringer network in breccia*	2315300	35.9	38	0.37	30.43	217.29
			2315301	38	40	0.20	42.25	123.34
			2315303	40	42	0.19	20.25	153.52
42	**47.3**	**NR_Diorite** *Silica flooded zone, becoming increasinly fractured into breccia below*	2315304	42	43	0.06	10.47	103.53
			2315305	43	45	0.23	13.78	33.21
			2315306	45	47	0.37	26.60	50.77
			2315307	47	47.3	0.13	11.32	47.48
47.3	**116.8**	**Beach Breccia** *Mottlled colour throughout. Light grey-white silica replacement zones, breccia fragmentsof silica, ser alt'd, pale green diorite, also strong red-brown matrix/fracture infill with bio. Erratic pre and post breccia. qtz veining. Minor tou in fragments. From 54.0 to end of breccia are strong tou stringers with tou altered selvage. 3 generations of quartz veining. 1)qtz-tou event, 2) cal-qtz-Sulphide, 3)late cal*	2315307	47.3	49	0.13	11.32	47.48
			2315308	49	51	0.21	10.24	29.24
			2315309	51	53	0.26	22.11	58.06
			2315312	53	55	0.19	17.17	45.75
			2315313	55	57	0.21	22.48	30.27
			2315314	57	59	0.33	15.93	161.68
			2315315	59	61	0.30	18.31	187.09
			2315316	61	63	0.34	25.05	330.84
			2315317	63	65	0.12	21.55	168.10
			2315318	65	67	0.27	36.66	112.39
			2315319	67	69	0.61	4.52	130.83
			2315320	69	71	0.47	26.51	159.40
			2315321	71	73	0.18	24.67	88.47
			2315323	73	75	0.18	11.65	82.14
			2315324	75	77	0.26	18.25	100.77
			2315325	77	79	0.28	16.77	99.30
			2315326	79	81	0.16	32.24	227.67
			2315327	81	83	0.25	23.81	16.45
			2315328	83	85	0.13	18.07	36.32

Alteration

47.3	54.7	Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
54.7	56.6	strong tou in erratic SW, primarily selvage; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein

From (m)	To (m)	Rock Code *Lithological Description*
		selvage
56.6	73.5	56.4- 73.5m extremely broken, stockwork calcite; 60.1-60.3m, clay and calcite 15TCA weak fault;Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
73.5	80.7	strong tou veining and matrix in breccia; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
80.7	85.3	strong tou veining and matrix in breccia; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
85.3	88.2	Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
88.2	95.5	Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
95.5	96.8	Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage
96.8	101.7	stringer SW tou matrix fill and vein selvage; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein

Sample	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
2315329	85	87	0.26	11.82	98.30
2315332	87	89	1.35	22.12	73.66
2315333	89	91	0.11	8.51	88.91
2315334	91	93	0.16	13.69	77.29
2315335	93	95	0.40	47.70	194.13
2315336	95	97	0.17	21.10	187.03
2315337	97	99	0.05	18.93	22.60
2315338	99	101	0.10	31.26	31.71
2315339	101	102.7	0.08	17.54	68.10
2315340	102.7	104	0.12	19.33	43.75
2315341	104	106	0.09	18.10	24.03
2315343	106	108	0.16	45.17	16.10
2315344	108	110	0.21	48.74	42.52
2315345	110	112	0.47	22.71	75.89
2315346	112	114	0.19	17.83	84.41
2315347	114	116	0.34	8.08	129.28
2315348	116	116.8	1.04	27.57	43.07

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
		selvage						
101.7	102.7	weak fault, cly altered vuggy qtz vein; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage						
102.7	112.9	stronger bio alt'n, matrix,replacement; from 109.6-109.8 cly-cal weak fault; Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage						
112.9	116.8	Quartz veining erratic orientation and commonly x-cut by later veins; intervals of stronger bio replacement in select fragments, breccia matrix and vein selvage						
Mineralization								
47.3	60	52.8 =mol patch, Minor mal at 57.2						
77.1	77.12	2mm qtz-chl vein(late) with pyr,cpy,mol 77.8m minor CP in fragments only						
97.5	100.8	trace cpy and mol in quartz veinlets and minor diss. 99.7 silver metallic = sulphosalt?? 101.7 = yellow oxide =scorodite? Or ferrimolybdenite?						
107.7	107.71	MOL in QTZ vnlt 1 cm						
110.5	110.51	Trace pyr cpy in quartz vein						

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
116.8	**122.5**	**NR_Diorite** *Med. grained, pale green-grey with white plag. Crystals, light green groundmass. Moderately stringered with qtz + tou White, bleached intervals, strongly silicified.*	2315348	116.8	118	1.04	27.57	43.07
			2315349	118	120	0.46	3.54	85.69
			2315352	120	122	1.02	6.10	98.48
			2315353	122	122.5	0.50	14.58	191.99
122.5	**135.5**	**Beach Breccia** *Silica breccia similar to 47.3-116.8m. Strong stockwork and strong bio alteration.*	2315353	122.5	124	0.50	14.58	191.99
			2315354	124	125.5	0.43	31.17	144.13
			2315355	125.5	127	0.19	16.41	35.33
			2315356	127	129	0.20	22.30	62.99
			2315357	129	131	0.27	39.12	52.13
			2315358	131	133	1.62	49.25	26.71
			2315359	133	135	0.27	39.60	135.75
			2315360	135	135.5	0.64	27.54	63.97
135.5	**151.1**	**NR_Diorite** *Dominantly light grey-white as a result of bleaching. Plagioclase phenos still visible except at extreme alt'n/bleaching*	2315360	135.5	137	0.64	27.54	63.97
			2315361	137	139	0.34	17.32	69.43
			2315363	139	141	0.65	17.83	18.13
			2315364	141	143	0.35	21.60	13.30
			2315365	143	145	0.16	36.87	35.03
			2315366	145	147	0.07	21.12	48.14
			2315367	147	149	0.35	18.80	9.81
			2315368	149	151	0.31	8.91	48.57
			2315369	151	151.1	0.02	1.64	25.39

From (m)	To (m)	Rock Code *Lithological Description*	*Sample*	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
151.1	**152.4**	**Unknown** *post mineral, mafic dyke ?, Fine grained dark green, chl altered. Mafics up to 3mm, epidote, chlorite*	2315369	151.1	152.4	0.02	1.64	25.39
152.4	**153.7**	**NR_Diorite** *strongly magnetic, silica altered, stringered*	2315372	152.4	153.7	0.08	11.59	17.25
153.7	**156.1**	**Beach Breccia** *Rounded to angular fragments. Strong bio in matrix*	2315373	153.7	156.1	0.20	24.04	13.11
156.1	**172.4**	**Beach Breccia** *Stockwork zone. Diorite similar to bleached unit from 135-5-151.1, but cut by numerous, thin qtz and tou stringers. qtz stringers to 2cm, modal size 5mm*	2315374	156.1	158	0.10	45.53	43.44
			2315375	158	160	0.17	53.08	57.19
			2315376	160	162	0.17	30.78	67.06
			2315377	162	164	0.16	17.60	56.11
			2315378	164	166	0.70	28.47	112.57
			2315379	166	168	0.19	34.40	76.09
			2315380	168	170	0.07	19.39	17.86
			2315381	170	172	0.52	37.54	9.68
			2315383	172	172.4	0.44	30.41	7.78

Alteration

152.4	153.7	152.4-152.9m fault gouge and rubbly core

Mineralization

160	164	cpy,pyr in fine stringers and diss. mol in veins or fine diss.

From (m)	To (m)	Rock Code *Lithological Description*
172.4	**202.7**	**Beach Breccia** *172.4-179.2m, diorite interval. Variably bleached, silica-altered, light grey with < 15 cm bleached white silica intervals. 179.2-183.5m, Diorite interval. As above but stronger bleaching and cly. From 172.4-179.2m, diorite interval same as 172.4-179.2m. From 172.4-179.2m, brecciated stockwork zone. Early qtz veinlets generally discontinuous across core due to faulting. Only vein fragments remaining. Some later qtz-tou veins. Variable alteration throughout with some minor clay-silica (white). Common silica and mixed silica-sericite. Weak, patchy chlorite alteration near bottom of interval. Minor pink colour = kspar?*

Alteration

179.2	183.5	180-180.1m weak fault
188.1	190	patchy intermittent pink altered, possibly k-spar
190	192	patchy intermittent pink altered, possibly k-spar
192	192.5	patchy intermittent pink altered, possibly k-spar
192.5	202.7	patchy intermittent pink altered, possibly k-spar

Sample	*From (m)*	*To (m)*	*Au g/t*	*Mo ppm*	*Cu ppm*
2315383	172.4	174	0.44	30.41	7.78
2315384	174	176	0.21	12.39	20.48
2315385	176	178	0.08	8.45	4.37
2315386	178	179.2	0.39	19.87	6.44
2315387	179.2	181	0.35	7.06	5.11
2315388	181	182	0.53	24.01	6.25
2315389	182	183.5	0.34	28.19	15.45
2315392	183.5	185	0.20	7.43	21.71
2315393	185	187	0.17	4.37	14.17
2315394	187	188.1	0.38	86.51	12.75
2315395	188.1	190	0.64	5.44	19.96
2315396	190	192	0.10	2.20	28.35
2315397	192	194	0.10	4.03	8.77
2315398	194	196	0.04	3.60	9.75
2315399	196	198	0.04	3.80	15.77
2315400	198	200	0.04	4.41	35.27
2315401	200	201.5	0.07	2.52	21.10
2315402	201.5	202.7	0.04	5.00	8.15