

GSA Data Repository Item 2017367

Anderson, P.E., Stevenson, C.T., Cooper, M.R., Meighan, I.G., Reavy, R.J., Hurley, C.T., Inman, J., and Ellam, R.M., 2017, Refined model of incremental emplacement based on structural evidence from the granodioritic Newry igneous complex, Northern Ireland: GSA Bulletin, <https://doi.org/10.1130/B31734.1>.

DATA REPOSITORY

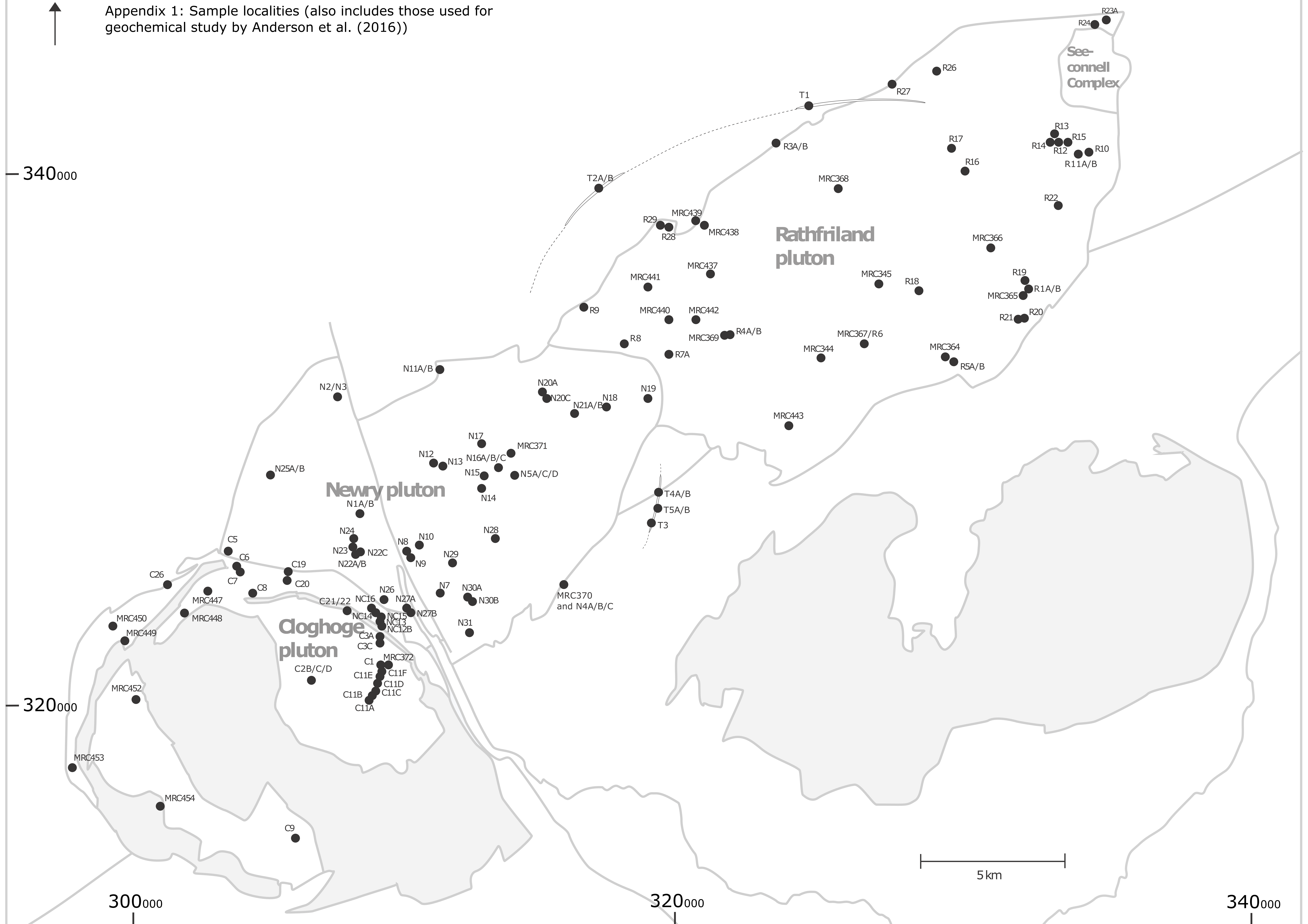
Appendix 1. Sample localities within the NIC and satellite bodies. Many of the same localities are used for geochemical sampling (Anderson et al., 2016).

Appendix 2. Locality information and structural data from the NIC, satellite bodies and host rocks.

Appendix 3. AMS fabric data from the NIC and satellite bodies.



Appendix 1: Sample localities (also includes those used for geochemical study by Anderson et al. (2016))



Appendix 2: locality information and field data

Key to abbreviations: Gd = granodiorite Di = diorite Qtz = quartz
Lampro = lamprophyre Bt = biotite Peg = pegmatite
H.rock = host rock Hb = hornblende Mobil = mobilised

Locality						Sample			Structural data				
Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip
			Grid	Easting	Northing								
1			J	32634	42114	Ballymagreehan Quarry	R1A R1B	MRC 365 MRC 60	Bt pyroxenite melodiorite				
2		GSNI GSNI	J	30431	35453				Gd				
			J	30444	35453				Gd				
			J	3045	3545				Di enclave				
			J	304	354								
			J	306	364				Gd	Mineral foliation	10	65	SE
			J	306	364				Gd	Mineral foliation	20	70	SE
			J	306	364				Gd	Mineral foliation	178	8	E
			J	306	364				Lampro dyke	Dyke Contact	79	90	N
	190		J	307	366				Coarse Gd	Mineral foliation	26	70	S
			J	307	366				Coarse Gd-Fine Gd	Internal Contact	26	60	S
			J	307	366				Coarse Gd-Fine Gd	Internal Contact	25	40	S
3		MRC 366	J	2927	3694	Magheramayo		MRC 366	Gd				
	213		J	296	439				Lampro dyke	Dyke Contact	120	-	
			J	296	439				Gd	Mineral foliation	40	60	E
			J	296	439				Gd	Mineral foliation	25	70	E
			J	296	439				Gd	Mineral foliation	160	60	E
5			J	20062	33973	Rathfriland Centre Quarry	R4A R4B		Coarse gd				
		MRC 369	J	2006	3395			MRC 369					
		MRC 67	J	187	344			MRC 67	Gd				
		MRC 68	J	204	354			MRC 68	Gd				
6			J	07273	27746	Newry Train Station	N1A N1B						
			J	07193	27777								
7			J	07860	22504	Cloghoge Mountain Road Cutt	C1						
		MRC 372	J	0786	2251			MRC 372					
8			J	05557	22080	Carn Hill	CTS1		Bt (felsic) gd				
			J	05557	22080				Enclave				
			J	05545	22111		C2B		Enclave				
			J	05545	22111		C2C		Enclave				
			J	05545	22111		C2D		Enclave				
10			J	06517	32120	Goragh Wood Quarry	N2		Hb bt gd				
			J	06464	32083								
			J	06463	32019		N3						
		MRC 65	J	066	319			MRC 65	Granitic pod				
		MRC 66	J	066	319			MRC 66	Hornfels & peg				
11			J	08014	23657	Dublin Road Bridge	C3A						
			J	08009	23629		C3B						
			J	08004	23587		C3C						
			J	08077	23550		C3D						
12			J	21671	40681	Shannaghan Hill	R3A R3B		Gd				
	229		J	21671	40681								
			J	217	407				Gd	Mineral foliation	56	75	N
			J	218	407				Gd	Mineral foliation	48	70	N
			J	218	407				H.rock	Xenolith cleavage	28	90	
			J	218	407				Gd	Mineral foliation	60	90	
			J	218	407				H.rock	Xenolith orientation	55	75	N
			J	218	408				Gd dyke	Dyke Contact	120	90	
			J	218	408				Gd dyke	Mineral foliation	58	75	N
14			J	27834	33094	Kilcoo	R5A		Quartz di				
			J	27806	33134		R5B		Quartz di				
		MRC 364	J	2782	3315			MRC 364	Quartz di				
15			J	24837	33582	St Mary's Church	R6						
		MRC 367	J	2483	3360			MRC 367	Gd				
16			J	16626	29174	Ballydoo Road							
			J	16630	29171				H.rock	Bedding	32	66	E
			J	16630	29171				H.rock	Cleavage	95	67	S
			J	16630	29171				H.rock	Bedding	50	44	SE
			J	16630	29171				H.rock	Bedding	53	58	SE
			J	16630	29171				H.rock	Bedding	55	63	SE
17			J	14423	25146	Aughnagon Quarry	N4A		Gd				
			J	14423	25146		N4B		Gd				
			J	14423	25146		N4C		Gd				
		MRC 370	J	1439	2515			MRC 370	Gd				
		MRC 62	J	145	251			MRC 62	Gd				
		MRC 63	J	145	251			MRC 63	Gd				
		MRC 64	J	145	251			MRC 64	Hornfels				
18			J	12565	29160	Benagh Road	N5A						
			J	12584	29088		N5B						
			J	12584	29088		N5C						
			J	12960	28503		N5D						
		MRC 371	J	1242	2982			MRC 371	Gd				
	266		J	129	286				Bt Gd	Mineral foliation	130	Uncertain	NW?
19			J	10126	24878	Road Stud Installations	N7						
	351		J	094	255				Medium-Coarse Gd	Mineral foliation	65	80	N
20			J	09229	26385	Concrete Football Pitch	N8						
21			J	09207	25930	Newry Junction	N9						
22			J	09023	26444		N10						
23			J	02755	26310		C5						
24			J	02908	25932	Camlough Lake	C6						
25			J	02939	25811		C7						
	341		J	029	258				Granite	Fabric	138	75	W

Locality						Sample			Structural data				
Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip
			Grid	Easting	Northing								
			J	029	258				Granite	Fabric	38	70	N
	337		J	0295	2600				Medium granite	Mineral foliation	18	90	
			J	0295	2600				Medium granite	Mineral foliation	15	90	
			J	0295	2600				Medium granite	Mineral foliation	130	70	NE
	338		J	029	261				Medium granite	Mineral foliation	150	90	
	339		J	0285	2610				Granite	Mineral foliation	135	80	W
			J	0285	2610				Granite	Mineral foliation	130	80	W
	340		J	0295	2590				Granite	Mineral foliation	138	75	W
26			J	03568	24829		C8						
		MRC 61	J	037	246			MRC 61	Mobil hornfels and gd				
	359		J	035	251				Felsite-Gd	Internal Contact	120	Uncertain	
			J	035	251				Medium-Coarse Gd	Mineral foliation	110	75	N
			J	035	251				Felsite-Gd	Sheet Contact	80	80	N
	325		J	0410	2375				Medium-fine Granite	Mineral foliation	60	Not specified	
	326		J	034	247				Granitic sheet	Sheet Contact	75	75	N
			J	034	247				Granitic sheet-h. Rock	Sheet Contact	70	90	
			J	034	247				Felsite intrusion	Sheet Contact	115	50	N
			J	034	247				Granitic sheet-h. rock	Sheet Contact	60	65	N
	329		J	025	252				Granite	Mineral foliation	40	50	S
	331		J	028	268				Coarse Gd	Mineral foliation	180	65	W
			J	028	268				Coarse Gd	Mineral foliation	180	60	W
27			J	10126	32674	Corcrechy Road	N11A						
			J	10103	32713		N11B						
28			J	09972	29393		N12						
270			J	101	293				Bt gd	Mineral foliation	40	60	W
29			J	10064	29275		N13						
271			J	100	295				Bt gd	Mineral foliation	62	60	NW
30			J	11623	28626		N14						
268			J	115	287				Bt gd	Mineral foliation	118	5	S
31			J	11666	28942		N15						
32			J	12208	29260	Shanlieven Stone Quarry	N16A						
			J	12202	29204		N16B						
			J	12172	29181		N16C						
33			J	11519	30136		N17						
34			J	18069	33162		R7A						
			J	18128	33437		R7B						
259			J	179	333				Bt gd	Mineral foliation	150	60	W
			J	179	333				Bt gd	Mineral foliation	142	70	W
260			J	179	331				Gd	Mineral foliation	119	80	N
			J	179	331				Gd	Mineral foliation	130	70	N
35			J	15873	31380		N18						
36			J	17357	31656		N19						
37			J	16559	33427		R8						
258			J	166	331				Bt gd	Mineral foliation	160	?	E
			J	166	331				Lampro-gd	Dyke contact	68	90	N
38			J	15097	34837	Curley Lane	R9						
39			J	13693	31946	A25 Farmland	N20A		Gd				
			J	13592	31955		N20C		Porphyry gd				
40			J	14774	31161		N21A		Fine gd				
			J	14702	31325		N21B						
41			J	05178	16385	Moore's Bridge	C9						
42			J	05194	16288		C10						
43			J	07786	21341	Cloghoge Railway Track	C11(A)						
			J	07871	21379		C11B						
			J	08055	21477		C11C						
			J	08197	21534		C11D						
			J	08492	21812		C11E						
			J	08610	22299		C11F						
44			J	32567	40175		R10		Coarse bt gd				
435			J	326	399				Gd	Mineral foliation	5	75	E
436			J	326	398				Gd	Mineral foliation	6	65	E
45			J	32407	40199		R11		Bt gd				
			J	32404	40149		R11B		Bt gd	Mineral foliation	8	55	E
437			J	325	405				Gd	Mineral foliation	150	65	E
46			J	31820	40634		R12			Mineral foliation	330	85	NE
47			J	31667	40641		R13		Fine hb bt gd	Mineral foliation	335	80	NE
48			J	31511	40671	Leitrim Hilltop	R14		Fine hb bt gd				
438			J	312	412				Fine Gd	Mineral foliation	158	70	E
			J	312	412				Fine Gd	Mineral foliation	140	70	E
			J	312	412				Aplite vein	Vein Orientation	80	50	S
			J	312	412				Aplite vein	Vein Orientation	70	65	S
439			J	312	411				Fine Gd	Mineral foliation	150	75	E
440			J	313	410				Fine Gd	Mineral foliation	155	80	E
			J	313	410				Aplite vein	Vein Orientation	120	90	
			J	313	410				Aplite vein	Vein Orientation	95	90	
441			J	314	410				Lampro dyke	Dyke Contact	85	90	
			J	314	410				Fine Gd	Mineral foliation	160	75	E
49			J	31672	40808		R15						
50			J	28375	39567		R16			Mineral foliation	142	90	
187			J	313	400				Gd	Mineral foliation	140	70	E
			J	314	399				Gd	Mineral foliation	160	50	E
			J	314	399				Gd	Mineral foliation	160	30	E
			J	314	399				Aplite vein	Vein orientation	91	75	N
			J	314	400				Gd	Mineral foliation	175	60	E
			J	314	400				Gd	Mineral foliation	8	70	S

Locality						Sample			Structural data				
Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip
			Grid	Easting	Northing								
			J	314	398				Fine Gd	Mineral foliation	9	65	E
			J	314	398				Coarse Gd	Vein orientation	100	55	E
			J	314	398				Vein of Coarse Gd	Mineral foliation	150	40	E
			J	314	398				Gd	Mineral foliation	180	70	E
			J	314	398				Gd	Mineral foliation	9	50	E
			J	314	399				Lampro Dyke	Dyke Contact	49	85	S
			J	314	399				Gd	Mineral foliation	160	70	E
	188		J	308	391				Bt Gd	Mineral foliation	4	75	E
			J	308	391				Bt Gd	Mineral foliation	173	70	E
51			J	27888	40407		R17						
52	277		J	26797	35287		R18			Mineral foliation	35	85	SE
			J	267	352				Coarse Gd	Mineral foliation	20	90	
			J	267	352				Fine Gd	Mineral foliation	24	70	SE
			J	267	352				Fine Gd	Mineral foliation	20	60	S
			J	267	352				Diorite	Mineral foliation	20	60	S
			J	267	352				Fine Gd vein	Mineral foliation	20	60	S
			J	267	352				Fine Gd vein-diorite	Vein orientation	13	63	S
	276		J	269	355	Poags Bridge			Aplite vein	Mineral foliation	40	90	
			J	269	355				Aplite vein	Mineral foliation	42	79	S
			J	269	355				Lampro dyke-Gd	Dyke contact	98	79	S
			J	269	355				Coarse Gd	Mineral foliation	32	65	S
			J	269	355				Coarse Gd	Mineral foliation	35	70	S
			J	269	355				Coarse Gd	Mineral foliation	34	70	S
			J	269	355				Aplite dyke	Dyke contact	170	70	E
53			J	30446	35749		R19						
54			J	30344	34490		R20		Hb bt gd				
55			J	30251	34416		R21		Hb bt gd				
			J	302	344				Stringers (mainly qtz)	Vein Orientation	25	60	S
			J	302	344				Gd	Mineral foliation	60	65	S
			J	302	344				Gd	Shear zone	120	Uncertain	
	210		J	301	346				Gd	Shear zone	170	Uncertain	
	211		J	302	347				Lampro Dyke	Dyke Contact	148	80	NE
			J	302	347				Lampro Dyke	(Dyke) cleavage	175	85	E
			J	302	347				Qtz vein	Vein Orientation	88	50	S
			J	302	347				Gd	Deformation zone	150	Uncertain	
			J	302	347				Lampro Dyke	(Dyke) cleavage	124	54	NE
			J	302	347				Lampro Dyke	(Dyke) cleavage	180	62	E
			J	302	347				Sedimentary xenolith	Xenolith orientation	24	70	E
			J	302	348				Lampro Dyke	?Dyke Contact	150	70	E
			J	302	348				Lampro Dyke	(Dyke) cleavage	15	65	E
			J	302	348				Gd	Mineral foliation	180	60	E
			J	302	348				Gd	Mineral foliation	90	65	S
	212		J	301	348				Gd	Mineral foliation	95	65	E
			J	301	348				Gd	Mineral foliation	55	60	S
			J	301	348				Lampro Dyke	Dyke Contact	145	Uncertain	
			J	301	348				Lampro Dyke	Dyke Contact	120	90	
			J	301	348				Lampro Dyke	(Dyke) cleavage	150	65	NE
56			J	31548	38363	Castlewellan Forest Park	R22		Bt Gd				
57			J	33156	44833		R23(A)		Mafic gd				
			J	33140	44836		R23B						
58			J	32812	44579		R24		Fine hb gd				
	217		J	326	448				Gd	Mineral foliation	126	70	E
			J	326	448				Xenolith	Xenolith orientation	18	Uncertain	
	218		J	324	449				Gd	Mineral foliation	115	90	
			J	324	449				Hornfels	Xenolith orientation	115	90	
	219		J	323	450				Lampro Dyke	Dyke Contact	5	80	E
			J	323	450				Gd	Mineral foliation	110	80	SW
			J	323	450				Lampro Dyke	Mineral foliation	78	90	
59			J	27402	43019	Windy Gap	R25						
60			J	27372	43049		R26		Bt gd				
	221		J	272	444				Qtz vein	Vein Orientation	60	80	N
			J	272	444				Qtz vein	Vein Orientation	80	78	N
	222		J	273	439				Coarse Gd	Mineral foliation	65	68	N
			J	273	439				Coarse Gd	Mineral foliation	68	35	N
	243		J	281	438				Gd	Mineral foliation	85	65	N
			J	281	438				Qtz diorite?	Mineral foliation	60	70	N
			J	281	438					Internal contact	60	Uncertain	NW-SE
			J	281	4348				Gd	Mineral foliation	80	70	N
	245		J	278	444	Rough Hill			?H. rock-Qtz diorite	Contact	50	90	N
			J	278	444				?Qtz diorite	Mineral foliation	85	65	S
			J	278	444				?Qtz diorite	Mineral foliation	110	70	N
61			J	25804	42543	Dehomed Mountain	R27		Mafic granodiorite				
	223		J	256	428				Aplite vein	Vein Orientation	156	20	E
			J	256	428				Aplite vein	Vein Orientation	136	15	W
			J	256	428				Aplite vein	Mineral foliation	75	72	N
			J	256	428				Fold in aplite vein	Fold axial plane	79	72	N
			J	255	426				Host rock-Gd	Contact	100	Uncertain	
			J	255	426				Gd	Dyke Contact	18	38	E
			J	255	426				(Dyke) Gd	Mineral foliation	82	80	N
			J	255	426				(Dyke) Gd	Mineral foliation	100	45	
			J	255	426				Country rock-Gd	Contact	90	Uncertain	
	224		J	253	424				Gd	Mineral foliation	88	90	
			J	253	424				Coarse Gd	Mineral foliation	80	78	N
			J	253	424				Lampro Dyke	Dyke Contact	175	90	
	225		J	262	432				Gd	Mineral foliation	85	59	N
			J	262	432				Gd	Mineral foliation	86	90	
			J	262	432				Lampro Dyke	Dyke Contact	162	90	
62			J	17804	37634	Knockiveagh Hill	R28		Hb gd				

Locality						Sample			Structural data					
Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip	
			Grid	Easting	Northing									
63			J	17759	37687		R29		?Qtz diorite					
	233		J	178	377				Gd	Mineral foliation	180	75	W	
									Gd	Mineral foliation	15	80	W	
	234		J	182	378					Mineral foliation	48	75	S	
										Mineral foliation	30	90	W	
	235		J	183	377				Lampro dyke	Dyke contact	60	70	S	
									Gd	Mineral foliation	60	70	S	
	236		J	181	378				Lampro dyke	Mineral foliation	46	70	N	
	238		J	180	378			Gd	Mineral foliation	70	70	S		
			J	180	378			Gd	Mineral foliation	48	60	S		
			J	180	378			Gd	Mineral foliation	55	75	N		
	240		J	181	379			Gd	Mineral foliation	180	90	W		
	241		J	178	378			Gd	Mineral foliation	178	75	W		
64			J	07170	26306	Newry Railway Tunnel	N22A		Gd					
			J	07170	26306		N22B		Coarse Gd					
			J	07170	26306		N22C		Porphy Gd					
65			J	07112	26595		N23		Medium-coarse gd					
67			J	07096	26817		N24							
68			J	08001	23831	Cloghoge Roundabout North	(N)C12(A)		Coarse mafic gd	Mineral foliation	150	60	SW	
			J	08001	23831					Coarse mafic gd	Mineral foliation	149	85	SW
			J	08001	23831					Gd vein	Vein orientation	145	80	SW
			J	08001	23831	315	(N)C12B							
			J	0795	2395					Coarse Gd	Mineral foliation	160	90	
			J	0795	2395					Coarse Gd	Shear Zone	162	75	W
69			J	07975	23869		(N)C13		Coarse mafic gd					
70			J	07964	23887		NC14		Felsic gd					
			J	07964	23887		NC15		Porphyritic diorite					
			J	07964	23887		NC16		Felsic gd/porph diorite contact					
			J	07954	23890		NC17		Porphyritic diorite					
71			J	07921	23973		NC18		Host rock screen	Xenolith orientation	47	85	NW	
	317		J	0790	2405				Gd	Shear Zone	180	40	W	
			J	0790	2405				Gd	Mineral foliation	30	90		
		MRC 58	J	0707	240			MRC 58	Gd					
72			J	04180	29061		N25(A)		Coarse gd					
	373		J	04129	29099		N25B		Coarse gd					
			J	041	291				Granite	Mineral foliation	50	75	S	
			J	041	291				Granite	Mineral foliation	30	75	S	
			J	041	291				Aplite vein	Vein Orientation	5	65	E	
			J	041	291				Coarse Granite	Mineral foliation	50	90		
			J	041	291				Coarse Granite	Mineral foliation	50	75	E	
	374		J	043	290				Coarse Granite	Mineral foliation	45	90		
			J	043	290				Coarse Granite	Mineral foliation	25	75	S	
			J	043	290				Microgranite	Mineral foliation	180	70	W	
			J	043	290				Microgranite	Mineral lineation	270	70		
			J	043	290				Granite	Mineral foliation	30	75	NW	
	375		J	046	290				Granite	Mineral foliation	29	45	NW	
			J	046	290				Pegmatite	Vein Orientation	89	90		
	376		J	046	289				Fine Granite	Mineral foliation	9	75	N	
			J	046	289				Fine Granite	Mineral lineation	9	15		
			J	046	289				Fine Granite	Mineral foliation	30	75	N	
	377		J	047	289				Granite	Mineral foliation	3	75	W	
73			J	08149	24615		N26							
	309		J	081	247				Coarse bt gd					
									Gd	Mineral foliation	100	75	S	
74			J	08960	24250		N27(A)							
			J	08971	24205		N27B		Granite					
75			J	12039	26799		N28		Coarse hb bt gd					
76			J	10517	25924		N29		Hb bt gd					
77			J	11085	24743	Billys Road	N30(A)		hb gd	Mineral foliation	260	20	N	
			J	11085	24743				hb gd	Mineral foliation	290	18	N	
			J	11108	24736		N30B		hb gd	Mineral foliation	255	60	N	
78			J	11141	23536	Greenan Lough	N31		Coarse bt gd					
	356		J	113	234				Gd	Mineral foliation	60	55	S	
			J	113	234				Gd	Mineral foliation	65	60	S	
			J	113	234				Aplite sheet-Gd	Sheet Contact	25	25	NW	
	358		J	1145	2335				Fine granite	Mineral foliation	50	80	S	
			J	1145	2335				Fine granite	Mineral foliation	50	80	S	
79			J	04826	25619	Camlough Mountain	C19							
80			J	04862	25425		C20		Fine gd					
	372		J	051	255				?Fine Gd	Mineral foliation	60	65	N	
			J	051	255				Gd	Mineral foliation	60	65	N	
81			J	06910	24274	Bernish Viewpoint	C21		Granitic pegmatite					
82			J	06928	24247		C22		Granitic pegmatite					
	320		J	071	240				Fine Granite-Coarse Gra	Internal Contact	80	90		
			J	071	240				Coarse Granite	Mineral foliation	100	90		
	321		J	0705	2407				Coarse Granite	Mineral foliation	120	70	N	
			J	0705	2407				Coarse Granite	Mineral foliation	100	90		
			J	0697	2400				Fine Granite-Fine Gran	Internal Contact	120	80	NE	
			J	0697	2400				Fine Granite	Mineral foliation	100	90		
86			J	00640	25223	Courtney Mountain	C26		Granite (+ mafic patches)					
	333		J	009	255				Granite	Mineral foliation	20	80	E	
			J	009	255				Granite	Mineral foliation	20	80	E	
			J	009	255				Granite	Mineral foliation	20	90		
	334		J	007	254				Granite-felsic material	Internal Contact	150	80	E	
			J	007	254				Granite	Mineral foliation	40	80	N	
			J	007	254				Granite	Mineral foliation	30	80	E	
	335		J	004	255				Felsic sheet-h.rock	Sheet Contact	70	90		

Locality						Sample			Structural data				
Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip
			Grid	Easting	Northing								
	336		J	004	253				Granite	Mineral foliation	10	80	NW
			J	004	253				Granite-felsic body	Internal Contact	15	? (steep)	NW
87			J	22741	41884	Doyles Road	T1		Fine gd				
			J	22741	41884				Satellite gd-h.rock	Satellite Contact	157	Uncertain	?
			J	22741	41884				C.rock	Bedding	72	72	N
			J	22741	41884				Satellite gd-h.rock	Satellite Contact	163	36	E
			J	22741	41884				Satellite gd-h.rock	Satellite Contact	178	80	E
			J	22741	41884				Satellite gd-h.rock	Satellite Contact	22	70	W
88			J	15390	38754	Kilty Hill	T2(A)		Fine gd				
			J	? ~30m W	of above		T2B		Porphyritic hb gd	Mineral foliation	46	73	NW
89			J	17320	27534	Ballululany	T3		Gd				
			J	17325	27556				H.rock	Bedding	74	25	SE
			J	17325	27556				Satellite gd-h.rock	Satellite contact	168	67	E
90			J	17503	28367	Ballydoo Farm	T4(A)		Hb bt gd				
			J	17468	28321				Satellite gd-h.rock	Satellite contact	38	Uncertain	?
			J	17423	28359		T4B		Bt gd				
									H.rock	Bedding	33	60	SE
91			J	17723	28066	Leode Road Quarry	T5		Fine hb gd	Fabric	38	30	E
			J	17723	28066				C.rock	Bedding	25	48	E
			J	17723	28066				Satellite gd-h.rock	Satellite Contact	178	36	E
			J	17642	28119		T5B		Fine hb gd	Mineral foliation			
			J	17642	28119				Satellite gd-h.rock	Satellite Contact	26	45	SE
		MRC 59	J	184	288			MRC 59	Hornfels and veinlet				
		MRC 368	J	2392	3892			MRC 368	m-co Fol gd (titanites?)				
242			J	247	395				Gd	Mineral foliation	100	90	N
226			J	292	415				Gd	Mineral foliation	62	78	S
232			J	181	362				Gd	Mineral foliation	45	80	S
244			J	317	437				Gd	Mineral foliation	85	75	N
254			J	159	355				Gd	Mineral foliation	30	70	N
			J	159	355				Gd	Mineral foliation	22	72	N
255			J	161	355				Gd	Mineral foliation	30	70	N
257			J	111	318				Bt Gd	Mineral foliation	75	70	N
			J	111	318				Bt Gd	Mineral foliation	90	70	N
264			J	152	299				Hb bt gd (fine)	Mineral foliation	180	60	S
			J	152	299				Hb bt gd (fine)	Mineral foliation	174	60	S
265			J	129	279				Bt Gd	Mineral foliation	70	70	S
			J	129	279				Bt Gd	Mineral foliation	60	70	S
			J	129	279				Bt Gd	Mineral foliation	168	70	E
			J	129	279				Bt Gd	Mineral foliation	140	Uncertain	
267			J	143	295				Bt Gd	Mineral foliation	150	Uncertain	S?
			J	143	295				Bt Gd	Mineral foliation	125	90	N
269			J	111	294				Bt Gd	Mineral foliation	75	Uncertain	
272			J	094	302				Bt Gd	Mineral foliation	65	60	NW
273			J	094	302				Gd	Mineral foliation	68	60	N
			J	094	302				Gd	Mineral foliation	62	45	NW
			J	094	302				Gd	Mineral foliation	63	70	NW
274			J	083	315				Bt Gd	Mineral foliation	58	90	N
			J	083	315				Bt Gd	Mineral foliation	30	40	S
			J	083	315				C.rock-Gd	Contact	60	Uncertain	
			J	083	315				Bt Gd	Mineral foliation	62	75	N
			J	083	315				Host rock-Gd	Contact	58	75	N
280									Bt Gd-fine qtz diorite	Contact	172	45	E
									Bt Gd-fine qtz diorite	Contact	175	55	E
									Fine Qtz diorite	Mineral foliation	165	70	E
281									?Bt gd	Mineral foliation	147	70	E
									?Bt gd	Mineral foliation	160	90	
300		J		090	212				Gd	Mineral foliation	40	90	
302		J		092	219				Gd	Mineral foliation	45	75	N
303		J		0905	2195				Gd	Mineral foliation	50	80	N
		J		0905	2195				Felsic dyke	Dyke Contact	35	90	
312		J		0850	2350				Granite sheet	Mineral foliation	90	90	
313		J		059	251				Fine Gd-Porphyritic Gd	Internal Contact	25	80	S
		J		059	251				Fine Gd sheet	Mineral foliation	100	75	N
314		J		089	219				Fine Gd	Mineral foliation	70	80	N
324		J		0600	2385				?Granite	Mineral foliation	60	70	N
343		J		020	255				Gd	Mineral foliation	30	80	E
		J		020	255				Gd	Mineral foliation	45	70	E
		J		020	255				?Gd	Shear Zone	165	55	NE
352		J		090	257				Medium-Coarse Gd	Mineral foliation	102	90	
		J		090	257				Medium-Coarse Gd	Mineral foliation	120	65	W
		J		090	257				Medium-Coarse Gd	Mineral foliation	110	75	N
		J		090	257				Dioritic enclave	Encl. Long axis	300	5	
		J		090	257				Dioritic enclave	Enclave fabric	120	70	N
353		J		092	257				Gd	Mineral foliation	120	75	N
		J		0920	2585				Gd	Mineral foliation	150	75	E
361		J		043	246				Granite sheet	Mineral foliation	70	80	N
363		J		045	248				Granite	Mineral foliation	80	75	N
365		J		043	250				Felsite-h.rock contact	Other Contact	110	45	N
		J		043	250				Felsite-h.rock contact	Other Contact	90	80	N
366		J		041	246				Granite	Mineral foliation	72	70	N
367		J		040	245				Granite	Mineral foliation	70	75	N
370									Lampro dyke	Mineral foliation	70	90	
371		J		047	261				Microgranite	Vein Orientation	60	75	N
		J		047	261				Microgranite	Vein Orientation	80	15	N
		J		047	261				Coarse Gd	Mineral foliation	60	60	S
		J		047	261				Coarse Granite	Mineral foliation	60	90	
93		J		32750	46353	Slieve Croob			H.rock	Bedding	60	71	N
		J		32750	46353				H.rock	Bedding	56	71	N
		J		32750	46353				H.rock	Cleavage	64	81	N

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Loc. No.	Hurley Loc. No.	GSNI site	Irish Grid reference			Locality Name (if applicable)	Sample number	GSNI sample no.	Lithology	Measurement type	Strike	Dip	Direction of dip
			Grid	Easting	Northing								
			J	32750	46353				H.rock	Cleavage	67	80	N
			J	32753	46456				H.rock	Joints	155	50	E
94			J	32067	47476				H.rock	Bedding	27	78	E
			J	32067	47476				H.rock	Bedding	38	80	E
			J	32067	47476				H.rock	Cleavage	10	90	
			J	32067	47476				H.rock	Cleavage	26	88	W
95			J	33922	40588				H.rock	Bedding	172	80	W
									H.rock	Cleavage	5	86	W
96			J	27717	44507				H.rock	Layering	50	82	W
97			J	25342	43429	Dehomed Mountain			H.rock	Bedding	81	84	N
			J	25342	43429				H.rock	Cleavage	86	78	N
98			J	21646	40785	Shannaghan Hill			H.rock	Layering	55	62	N
			J	21646	40785				H.rock	Cleavage	35	62	
99			J	32654	37445				H.rock	Layering	25	83	E
100			J	32902	37606				H.rock	Cleavage	24	87	E
101			J	30640	33671				H.rock	Cleavage	68	33	S
102			J	30378	33587				H.rock	Cleavage	60	53	S
			J	30378	33587				H.rock	Bedding	56	36	S
103			J	30333	33550				H.rock	Cleavage	76	58	S
104			J	32269	32437				H.rock	Cleavage	44	72	S
			J	32269	32437				H.rock	Cleavage	62	82	S
			J	32269	32437				H.rock	Bedding	65	79	N
			J	24222	10663				H.rock	Cleavage	60	54	S
106			J	21897	29020				H.rock	Bedding	95	55	S
			J	21897	29020				H.rock	Bedding	96	60	S
107			J	17543	29985				H.rock	Bedding	44	56	SE
			J	17543	29985				H.rock	Bedding	73	42	S
			J	17543	29985				H.rock	Joints	135	76	N
108			J	05984	33051				H.rock	Layering	20	87	W
			J	05984	33051				H.rock	Cleavage	62	76	N
109			J	05984	33051				H.rock	Cleavage	62	75	N
			J	05984	33051				H.rock	Cleavage	96	66	N
			J	17305	27509				H.rock	Bedding?	74	35	S
			J	17305	27509				H.rock	Bedding?	42	41	E
110			J	14499	23330				H.rock	Bedding	63	64	S
111			J	11454	20923	Clady Quarries			H.rock	Bedding	75	65	S
			J	11454	20923				H.rock	Bedding	65	55	S
			J	11454	20923				H.rock	Bedding	66	79	S
			J	11484	20831				H.rock	Bedding	56	50	S
			J	11484	20831				H.rock	Joints	152	62	E
			J	11484	20831				H.rock	Joints	130	90	
			J	11484	20831				H.rock	Joints	157	88	E
			J	11484	20831				H.rock	Joints	57	89	N
113			J	00816	25831			Bt granite					
			J	00816	25794			Bt granite	Mineral foliation	49	74		
114		H	99905	25529	Belleeks				H.rock	Bedding	75	71	S
		H	99905	25529					H.rock	Bedding	80	85	S
		H	99905	25529					H.rock	Cleavage	68	70	S
115			H	87201	17978				H.rock	Bedding	37	83	W
116			H	89175	16171				H.rock	Bedding	45	88	S
			H	89175	16171				H.rock	Cleavage	50	89	S
117			H	95811	16604				H.rock	Bedding?	61	66	S
			H	95811	16604				H.rock	Bedding?	31	46	SE
118			H	95640	16390				H.rock	Bedding	44	62	S
			H	95640	16390				H.rock	Joints	131	90	
119			H	97125	15450	Silverbridge			H.rock	Bedding	70	77	S
120			H	97179	16046				H.rock	Bedding	45	85	S
121			H	96256	18766				H.rock	Bedding	40	60	E
			H	96617	19941				H.rock	Bedding	2	80	E
			H	96617	19941				H.rock	Bedding	1	78	W
			H	96617	19941				H.rock	Cleavage	170	77	E
			H	96627	19977				H.rock	Bedding	12	81	W
123			H	99768	19007				Granite				
124			H	99325	21884				Hb granite	Mineral foliation	10	86	E
125			H	99618	20916				Granite	Mineral foliation	12	74	E
126			H	99814	20625				Bt hb granite	Mineral foliation	144	90	
127			J	00603	22068				Granite sheet	Sheet contact	132	72	E
128			J	03496	15196				Coarse hb bt gd				
129			J	15951	35423				Hb gd				
130			J	24050	40540				Gd				
131			J	13942	32488				Coarse felsic gd				
132			J	07948	23878	Upper Motorway Terrace			Granite vein	Vein orientation	126	54	E
			J	07948	23878				Granite vein	Vein orientation	43	74	E
			J	07884	23980				Granite vein	Vein orientation	142	48	W
			J	07878	24007				Granite vein	Vein orientation	130	44	W
			J	07832	24070				Gd	Mineral foliation	120	56	SW
133			J	08084	23274				Gd				
134			J	08146	24933				Porphyritic di/gd	Mineral foliation	120	32	N
135			J	06759	29353				Gd				
136			J	06115	29961				Gd				
137			J	05838	32039				Bt gd	Mineral foliation	44	31	E
138			J	08198	31500				Coarse gd				
139			J	14094	27815				Bt gd	Mineral foliation	33	90	
140			J	30532	43634				Fine hb bt gd	Mineral foliation	116	40	N
			J	30558	43673				Fine hb bt gd	Mineral foliation	99	85	N
			J	30527	43684				Fine hb bt gd	Mineral foliation	114	85	S
			J	30527	43684				Fine hb bt gd	Mineral foliation	111	47	S
141			J	30611	43794				Mafic gd?				
142			J	27609	43221				Gd-h.rock	Contact	342	30	W

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			Grid	Easting	Northing								
143			J	27874	43566				Hb bt gd	Mineral foliation	69	45	N
			J	27874	43566				Hb bt gd	Mineral foliation	80	73	N
			J	27874	43566				Hb bt gd	Mineral foliation	90	51	N
			J	27879	43583				Qtz diorite?	Mineral foliation	59	85	N
			J	27879	43583				Qtz diorite-Gd	Internal contact?	127	75	S
			J	27879	43583				Hb bt gd	Mineral foliation	74	84	N
144			J	24883	41627				Hb bt gd	Mineral foliation	80	90	
			J	24883	41627				Qtz diorite?	Mineral foliation			
145			J	32237	37392				Gd				
146			J	32502	37717				Qtz diorite?				
147			J	32865	37627				Felsite				
148			J	26357	33953				Hb gd	Mineral foliation	74	72	S
			J	26357	33953				C.rock (xenolith)	Bedding (xeno)	178	77	E
			J	26357	33953				Qtz vein	Vein Orientation	166	55	W
149			J	25991	36580				Bt hb gd				
150			J	03650	24593	Camlough Quarry			C.rock	Bedding	42	58	N
			J	03650	24593				C.rock	Bedding	74	70	N
			J	03650	24593				C.rock	Bedding	62	85	S
			J	03650	24593				Granite sheet-h.rock	Contact	80	67	N
			J	03650	24593				Granite	Mineral foliation	168	10	E
			J	03650	24593				Granite vein	Vein Orientation	63	75	N
			J	03650	24593				Palaeogene-h.rock	Contact	109	50	N
			J	03650	24593				H.rock	Bedding	110	76	N
151			J	32408	42359				Melodi	Mineral foliation	164	73	E
			J	32408	42359				Melodi	Mineral foliation	35	65	SE
			J	32492	42303				Gd vein	Vein Orientation	56	74	S
			J	32536	42261				Meladi	Mineral foliation	20	80	E
			J	32536	42261				Meladi	Mineral foliation	5	75	E
			J	32536	42261				Basalt vein				
			J	32536	42261				Basalt vein				
152			J	32829	41980				Melodiorite	Mineral foliation	170	81	W
153			J	32789	42034				Gd vein	Vein orientation	38	65	NW
154			J	32473	42278				Granite vein	Vein orientation	62	65	SE
			J	32473	42278				Granite sheet	Sheet orientation	51	70	SE
155			J	30430	35436				Pegmatite-gd	Contact	170	60	E
			J	30430	35436				Gd	Mineral foliation	35	86	SE
156			J	31243	35029				Infilled fractures?	Fractures	148	88	NE
			J	31243	35029				Infilled fractures?	Fractures	152	87	NE
			J	31243	35029				H.rock	Bedding	50	50	SE
			J	31243	35029				H.rock	Bedding	38	62	SE
			J	31243	35029				Qtz porphyry-c.rock	Contact	85	37	N
			J	31243	35029					Bedding	24	60	SE
157			J	14608	25140	Aughnagon Quarry (2)			H.rock	Bedding	25	69	E
			J	14608	25140				Infilled fractures?	Fractures	126	81	NE
			J	14423	25143				Gd-h.rock	Contact	55	42	SE
			J	14423	25143				H.rock	Bedding	55	42	SE
			J	14423	25143				Gd	Mineral foliation	48	80	SE
			J	14423	25143				Gd	Mineral foliation	56	82	SE
158			J	11221	27100				Bt hb gd				
159			J	29924	44702				Coarse bt hb gd				
	306		J	08600	23600	Dublin Road Bridge			H.rock	Bedding	120	Uncertain	N
	307		J	09000	24000				H.rock	Bedding	80	80	S
	308		J	08800	23800				H.rock	Cleavage	110	80	N
	308		J	08800	23800				H.rock	Bedding	112	80	N
	310		J	08150	24100				H.rock	Cleavage	50	60	S
	310		J	08150	24100				H.rock	Bedding	50	50	S
	311		J	08250	24050				H.rock	Bedding	142	80	NE
	311		J	08250	24050				H.rock	Bedding	140	80	N
	311		J	08250	24050				H.rock	Bedding	135	75	N
	311		J	08250	24050				H.rock	Bedding	140	75	NE
	311		J	08250	24050				H.rock	Bedding	135	50	NE
	311		J	08250	24050				H.rock	Bedding	140	75	NE
	311		J	08250	24050				H.rock	Bedding	5	39	NW
	311		J	08250	24050				H.rock	Cleavage	100	80	N
	312		J	08500	23500				H.rock	Bedding	90	80	N
	312		J	08500	23500				H.rock	Cleavage	90	85	N