ASX Announcement | 19 October 2023

Cumulative Mineralised Strike Length extends to 3,250m at the Hidden Lake Lithium Project, NWT, Canada

Highlights:

- **Summer field program assay results extend the cumulative pegmatite surface mineralisation by approximately 1,000m to 3,250m - a notable 44% increase.**
- **The extensive surface mineralisation has been grouped within two major mineralised clusters (MAX & HUE), consisting of 7 spodumene bearing pegmatite dykes that will be the main target of the drilling program this Canadian Winter.**
- **The increased strike length is supported by 269 outcrop and 29 channel sample assay results gathered during the summer field program.**
- **The four previously discovered spodumene bearing pegmatite dykes, with a cumulative strike length of 2,250m, were drilled in 2018 to a limited depth of 30-50 metres, with drill hole intercepts of up to 1.81% Li_2O [1].**
- **High-resolution orthographic imagery and LiDAR data have been received and will allow further refinement of drill targets and potential site infrastructure locations.**

Loyal Lithium Limited (ASX:LLI) (**Loyal Lithium**, or the **Company**) is delighted to announce a ~1,000m increase of the collective surface mineralization strike length at its Hidden Lake Lithium Project, located 45 km east of Yellowknife, NWT, Canada. This increase in the cumulative surface mineralisation from 2,250m to approximately 3,250m was determined through the analysis of rock chip and channel samples collected from the newly identified spodumene bearing outcrops. The Company's focus now shifts to its drilling program in the Canadian Winter where it will target the two major mineralised clusters (MAX & HUE) consisting of 7 spodumene bearing pegmatite dykes. The Hidden Lake Lithium Project will also benefit from the high-resolution orthographic imagery and LiDAR data for refining drill targets and assessing future development options.

Loyal Lithium's Managing Director, Mr Adam Ritchie, commented:

"Thanks to the efforts of our field team over the summer we have increased the cumulative mineralised strike length by 1,000m and thereby increased the project's prospectivity by 44%. We now have a comprehensive understanding of the properties mineralised surface expressions and confirmed our theory that the property was previously underexplored."

"The increased surface mineralisation provides a strong guide to the project's potential, and we *now transition our efforts to the drilling program, this Canadian winter."*

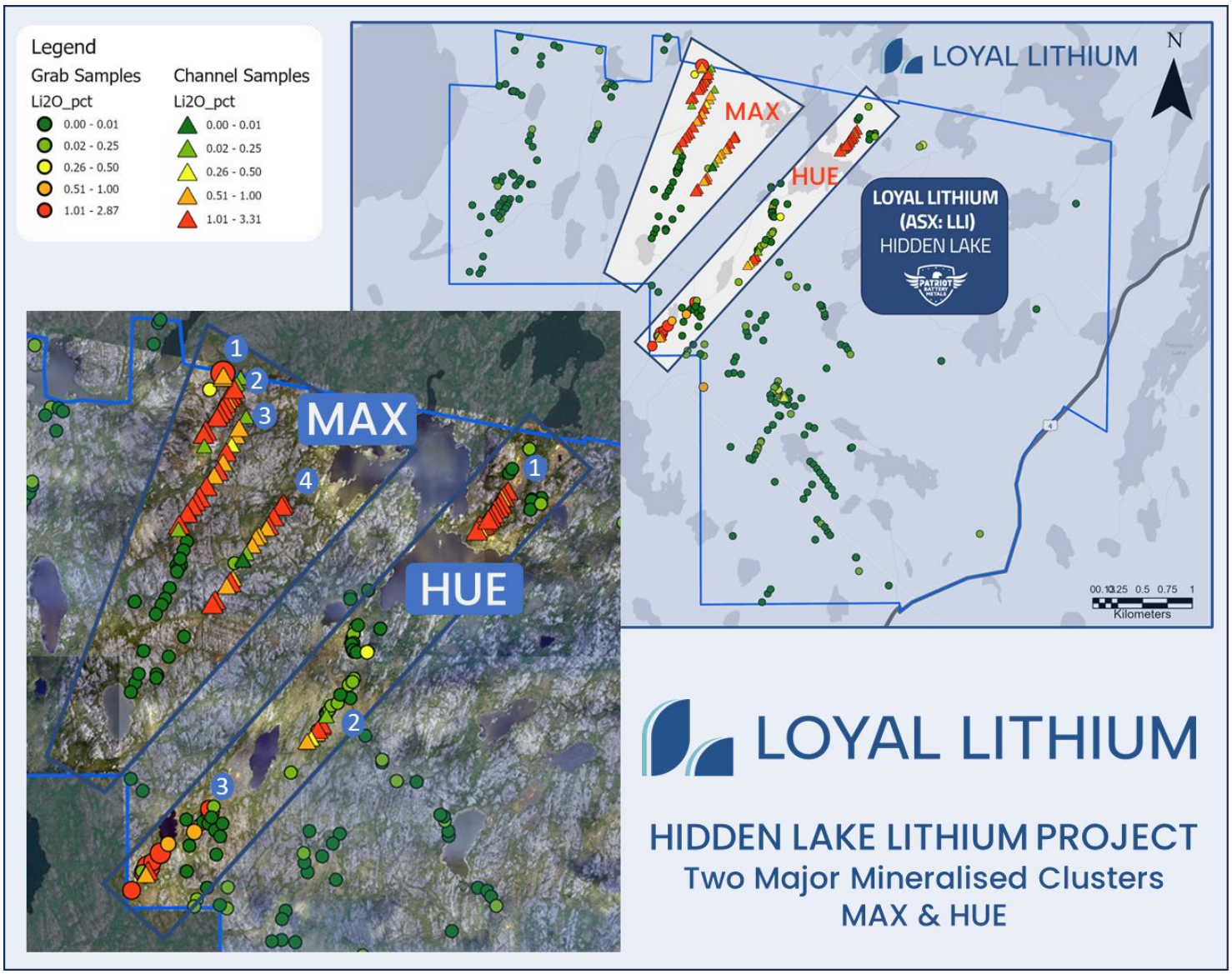

Figure 1 –Hidden Lake Lithium Project - MAX and HUE -Two major outcropping mineralised clusters.

HIDDEN LAKE LITHIUM PROJECT	
Outcropping Mineralised Clusters	**Strike Length (m)**
MAX Cumulative Mineralised Strike Length (m)	**2,000**
MAX 1	25
MAX 2	467
MAX 3	808
MAX 4	700
HUE Cumulative Mineralised Strike Length (m)	**1,250**
HUE 1	300
HUE 2	275
HUE 3	675
Cumulative Mineralised Strike Length (m)	**3,250**

Table 1 – Hidden Lake - MAX and HUE Clusters - Cumulative Mineralised Strike Length.

Building on the success of the 2018 field program, the most recent field program[2] resulted in a total of 269 outcrop and 29 channel samples sent for assay to SGS Ontario. The cumulative channel assays demonstrate a strong lithium average grade of 1.00% Li_2O with a maximum of 3.31% Li_2O. The outcrop and channel samples assays, paired with the orthographic imagery, geologic interpretations, and ten previously competed drillholes increased the interpreted mineralised strike length by 1,000m to a total of 3,250m. The outcrop and channel sample assay results are presented in Figure 1 and Appendix 1. It should be noted that outcrop and channel samples are not representative of the grade of an entire outcrop. Positive lithium assay results provide an indication of lithium mineralisation, even when they produce relatively low lithium values. Also, other elements associated with lithium bearing pegmatites are important to show the potential of an outcrop to contain lithium.

Canadian Winter Drilling Program

Loyal Lithium has submitted a Land Use Permit to enable the commencement of a drilling program this Canadian Winter. The drilling program will target the mineralised clusters of MAX & HUE, however additional drilling locations have also been included at the other newly identified spodumene bearing zones elsewhere on the project.

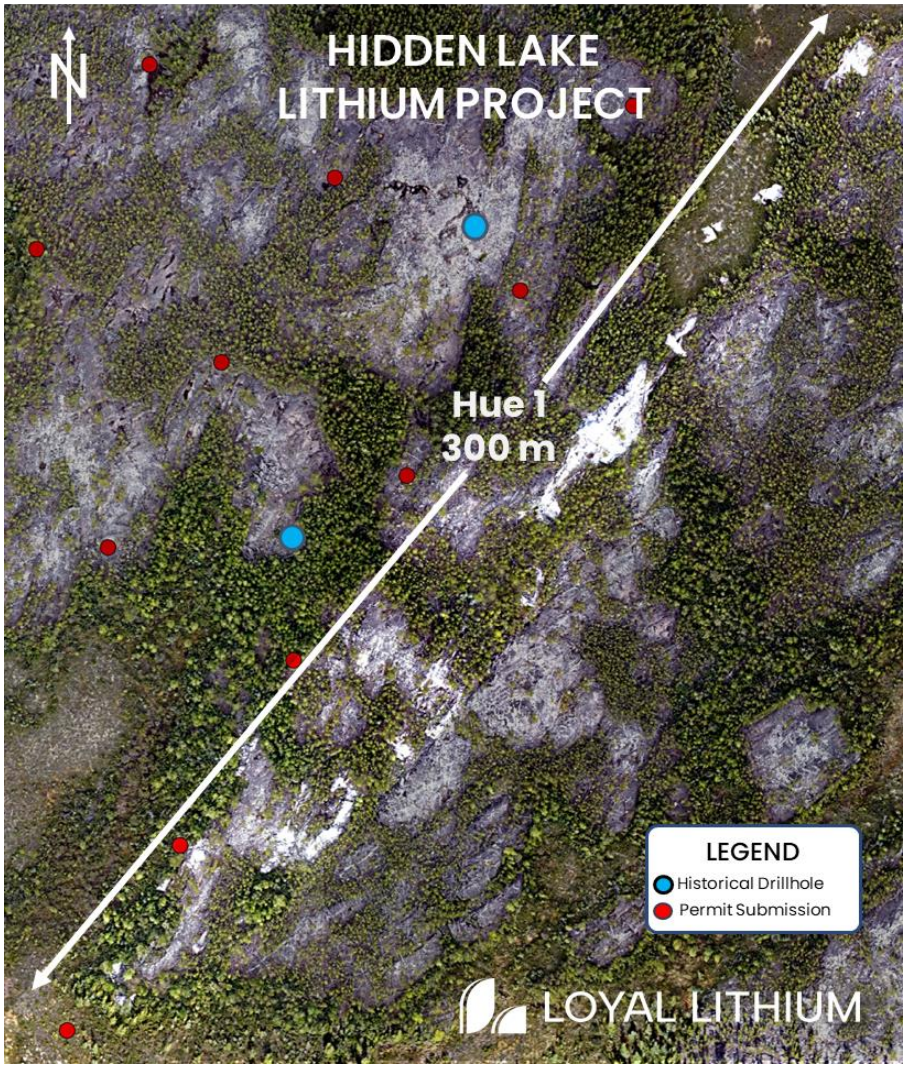

Image 1 – The HUE 1 pegmatite cluster with 2 completed drillholes and proposed drillholes.

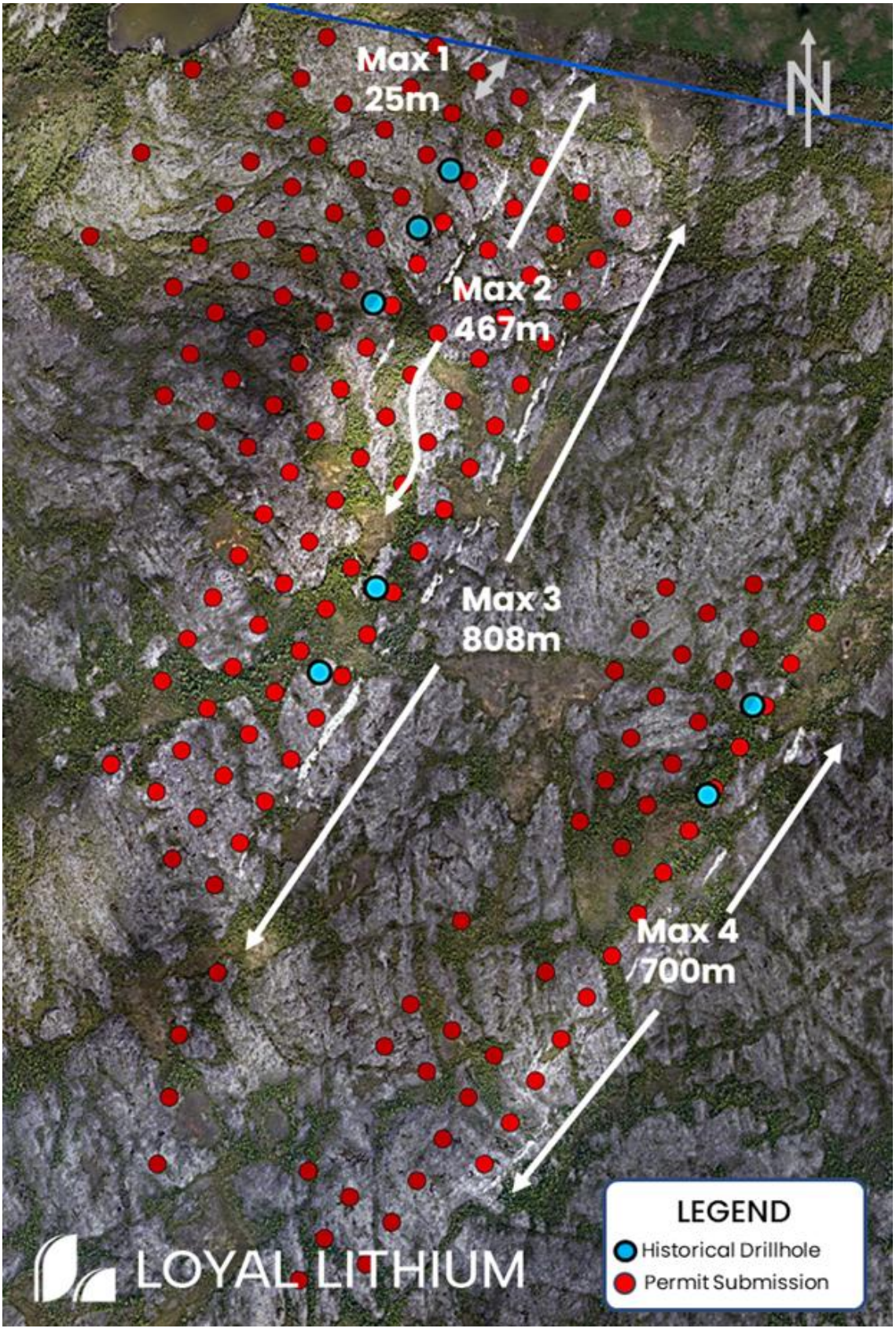

Image 2 –The four MAX pegmatite clusters showing 7 completed drillholes and permit submission drillholes.

This announcement has been authorised for release by Loyal Lithium's Board of Directors

For more information:

Adam Ritchie
Managing Director
aritchie@loyallithium.com
+61 (0) 403 462 383

Jane Morgan
Investor & Media Relations
jm@janemorganmanagement.com.au
+ 61 (0) 405 555 618

About Loyal Lithium

Loyal Lithium Limited (ASX: LLI) is a well-structured listed resource exploration company with projects in Tier 1 North American mining jurisdictions in the Northwest Territories, Canada, James Bay Lithium District in Quebec, Canada and Nevada, USA. Through the systematic exploration of its projects, the Company aims to delineate JORC compliant resources, creating value for its shareholders.

Future Performance

This announcement may contain certain forward-looking statements and opinion forward-looking statements, including projections, forecasts and estimates, are provided as a general guide only and should not be relied on as an indication or guarantee of future performance and involve known and unknown risks, uncertainties, assumptions, contingencies and other important factors, many of which are outside the control of the Company and which are subject to change without notice and could cause the actual results, performance or achievements of the Company to be materially different from the future results, performance or achievements expressed or implied by such statements. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast. Nothing contained in this announcement, nor any information made available to you is, or shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of Loyal Lithium Ltd.

Competent Person Statement

The information in this announcement that relates to Exploration Results and Targets, is based, and fairly reflects, information compiled by Mr Darren Allingham, who is the Company's geologist. Mr Allingham is a Fellow of the Australian Institute of Geoscientists. Mr Allingham has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results and Mineral Resources (JORC Code). Mr Allingham consents to the inclusion in the announcement of the matters based on the information in the form and context in which it appears.

References

1. *ASX Announcement LLI: 12 April 2023 Transformational Acquisition of Advanced, High-Grade Hidden Lake Lithium Project in Yellowknife, Northwest Territories, Canada*
2. *ASX Announcement LLI: 3 August 2023 Exploration Program Underway at the Advanced Hidden Lake Lithium Project, NWT Canada*

APPENDIX 1: Channel and Outcrop Sample Assay Details

Note: Channel samples were taken perpendicular to interpreted and actual surface outcrop contacts. Intervals do not imply truth thicknesses.

Summary of the recent 29 channel sample assay results from Hidden Lake.

Hidden Lake 2023 Channel Sample Results - Li2O% Length Weighted Averages (NAD83z12)							
Cluster ID	Channel ID	Sample ID	Easting - Start	Northing - Start	Field Observation Rock Type	Channel Sample Length (m)	Li2O %
MAX 1	GOL-003	D00434401	373465.3	6937628.6	Pegmatite - Spodumene	1.0	1.57
	GOL-003	D00434402	373465.9	6937627.8	Pegmatite - Spodumene	1.0	1.24
	GOL-003	D00434403	373466.4	6937627.0	Pegmatite - Granite	1.0	0.22
	GOL-003	D00434404	373467.0	6937626.1	Pegmatite - Granite	1.0	0.23
	GOL-003	D00434405	373467.6	6937625.3	Pegmatite - Spodumene	1.0	1.58
	GOL-003	D00434406	373468.2	6937624.5	Pegmatite - Spodumene	1.0	0.70
	GOL-003	D00434407	373468.8	6937623.7	Metaturbidite	1.0	0.20
	MAX 1 cluster; channel ID GOL-003 Li2O% Average - excluding Metaturbidite					6.0	0.92
MAX 1	GOL-002	D00434408	373468.3	6937639.6	Pegmatite - Spodumene	1.0	1.13
	GOL-002	D00434409	373468.9	6937638.8	Pegmatite - Spodumene	1.0	1.67
	GOL-002	D00434410	373469.4	6937638.0	Pegmatite - Granite	1.0	0.88
	GOL-002	D00434411	373470.0	6937637.1	Pegmatite - Spodumene	1.0	0.05
	GOL-002	D00434412	373470.6	6937636.3	Metaturbidite	1.0	0.21
	MAX 1 cluster; channel ID GOL-002 Li2O% Average - excluding Metaturbidite					4.0	0.93
HUE 3	HUE-001	D00434413	373055.3	6934943.6	Pegmatite - Granite	1.0	0.71
	HUE-001	D00434414	373055.8	6934942.7	Pegmatite - Spodumene	1.0	1.31
	HUE-001	D00434415	373056.3	6934941.9	Pegmatite - Spodumene	1.0	1.54
	HUE-001	D00434416	373056.8	6934941.0	Pegmatite - Spodumene	1.0	1.64
	HUE-001	D00434417	373057.3	6934940.1	Pegmatite - Spodumene	1.0	1.99
	HUE-001	D00434418	373057.8	6934939.3	Pegmatite - Spodumene	1.0	0.74
	HUE-001	D00434419	373058.3	6934938.6	Pegmatite - Granite	0.7	0.01
	HUE 3 cluster; channel ID HUE-001 Li2O% Average - excluding Metaturbidite					6.7	1.19
HUE 3	HUE-002	D00434420	373041.4	6934922.7	Metaturbidite	1.0	0.18
	HUE-002	D00434421	373042.1	6934922.0	Pegmatite - Granite	1.0	0.01
	HUE-002	D00434422	373042.8	6934921.3	Pegmatite - Spodumene	1.0	1.33
	HUE-002	D00434423	373043.6	6934920.6	Pegmatite - Spodumene	1.0	0.68
	HUE-002	D00434424	373044.3	6934919.9	Pegmatite - Spodumene	1.0	1.24
	HUE-002	D00434425	373045.0	6934919.2	Pegmatite - Spodumene	1.0	0.26
	HUE-002	D00434426	373045.8	6934918.6	Pegmatite - Spodumene	1.0	1.33
	HUE-002	D00434427	373046.4	6934918.0	Pegmatite - Spodumene	0.8	1.79
	HUE-002	D00434428	373047.0	6934917.4	granodiorite	0.8	0.02
	HUE-002	D00434429	373047.7	6934916.8	Metaturbidite	1.0	0.14
	HUE 3 cluster; channel ID HUE-002 Li2O% Average - excluding Metaturbidite					7.6	0.83
Cumulative length and Li2O% average excluding Metaturbidite (host rock)							0.97

Hidden Lake 2023 Channel Sample Results - Length Weighted Average (NAD83z12)					
Cluster ID	Channel ID	Easting - Start	Northing - Start	Channel Sample Length (m)	Li2O % - Length Averaged
HUE 1	D12-C1	375,028.4	6,937,008.6	7.48	1.07
HUE 1	D12-C10	374,909.3	6,936,839.3	5.97	1.29
HUE 1	D12-C11	374,900.4	6,936,821.4	6.80	1.08
HUE 1	D12-C12	374,888.8	6,936,815.7	2.25	0.93
HUE 1	D12-C13	374,873.4	6,936,819.4	3.62	1.39
HUE 1	D12-C14	374,873.8	6,936,799.0	1.52	0.38
HUE 1	D12-C15	374,857.4	6,936,792.4	4.53	1.42
HUE 1	D12-C2	375,004.4	6,936,978.4	3.50	1.65
HUE 1	D12-C3	374,993.2	6,936,969.7	3.19	0.83
HUE 1	D12-C4	374,985.2	6,936,944.4	6.01	1.75
HUE 1	D12-C5	374,974.1	6,936,921.6	11.58	1.53
HUE 1	D12-C6	374,956.6	6,936,909.1	5.71	1.24
HUE 1	D12-C7	374,949.4	6,936,885.9	3.80	1.31
HUE 1	D12-C8	374,932.9	6,936,863.3	5.75	1.34
HUE 1	D12-C9	374,921.0	6,936,851.3	6.09	1.31
MAX 4	HL1-C1	373,799.4	6,936,939.0	6.96	1.21
MAX 4	HL1-C2	373,790.2	6,936,926.8	8.72	1.26
MAX 4	HL1-C3	373,745.8	6,936,866.4	3.52	1.07
MAX 4	HL1-C4	373,718.5	6,936,820.3	5.80	1.17
MAX 4	HL1-C5	373,707.2	6,936,804.4	3.44	0.57
MAX 4	HL1-C6	373,665.1	6,936,767.0	3.30	0.64
MAX 4	HL1-C7	373,649.9	6,936,752.9	3.29	0.55
MAX 4	HL1-C8	373,629.6	6,936,711.0	2.53	0.54
MAX 4	HL1-C9	373,597.6	6,936,667.6	3.39	0.13
MAX 4	HL1-C10	373,575.6	6,936,637.7	1.00	0.03
MAX 4	HL1-C11	373,577.8	6,936,628.3	0.80	0.01
MAX 4	HL1-C12	373,523.7	6,936,531.4	6.09	0.61
MAX 4	HL1-C13	373,508.5	6,936,511.2	2.96	1.43
MAX 4	HL1-C14	373,489.5	6,936,490.1	4.12	0.70
MAX 4	HL1-C15	373,425.7	6,936,414.6	2.00	1.33
MAX 4	HL1-C16	373,410.7	6,936,392.7	2.07	1.38
MAX 3	HL3-C1	373,596.0	6,937,410.8	4.18	0.03
MAX 3	HL3-C2	373,538.9	6,937,312.4	3.60	0.89
MAX 3	HL3-C3	373,516.2	6,937,258.9	6.31	0.34
MAX 3	HL3-C4	373,488.3	6,937,219.1	5.94	1.09
MAX 3	HL3-C5	373,469.3	6,937,162.7	3.97	0.87
MAX 3	HL3-C6	373,442.8	6,937,115.1	5.54	1.23
MAX 3	HL3-C7	373,420.4	6,937,091.8	9.64	0.84
MAX 3	HL3-C8	373,378.6	6,937,034.0	6.73	1.29
MAX 3	HL3-C9	373,339.3	6,936,976.0	8.78	1.58

MAX 3	HL3-C10	373,320.5	6,936,949.6	8.35	1.02
MAX 3	HL3-C11	373,302.0	6,936,924.9	8.15	1.12
MAX 3	HL3-C12A	373,284.6	6,936,878.5	1.37	0.01
MAX 3	HL3-C12B	373,273.7	6,936,885.2	4.96	1.16
MAX 3	HL3-C13	373,230.0	6,936,825.3	3.37	1.34
MAX 3	HL3-C14	373,224.7	6,936,797.7	1.63	0.23
MAX 3	HL3-C15	373,557.1	6,937,351.2	4.27	0.89
MAX 2	HL4-C1	373,565.7	6,937,622.9	4.66	0.06
MAX 2	HL4-C2	373,543.8	6,937,590.1	2.48	0.16
MAX 2	HL4-C3	373,509.3	6,937,538.8	3.40	1.74
MAX 2	HL4-C4	373,498.6	6,937,521.2	6.13	1.41
MAX 2	HL4-C5	373,495.9	6,937,497.4	8.02	0.55
MAX 2	HL4-C6	373,483.8	6,937,483.7	6.09	1.04
MAX 2	HL4-C7	373,466.1	6,937,455.2	5.78	1.71
MAX 2	HL4-C8	373,450.9	6,937,430.5	6.30	1.24
MAX 2	HL4-C9	373,437.0	6,937,408.7	4.69	1.12
MAX 2	HL4-C10	373,374.7	6,937,336.9	5.45	1.51
MAX 2	HL4-C11	373,362.7	6,937,316.5	3.65	1.13
MAX 2	HL4-C12	373,366.8	6,937,251.7	2.97	0.04
MAX 2	HL4-C13	373,531.1	6,937,562.9	5.11	1.24
HUE 2	HL6-C1	373,966.3	6,935,677.5	3.28	0.27
HUE 2	HL6-C2	373,978.7	6,935,690.7	3.34	0.80
HUE 2	HL6-C3	374,003.4	6,935,728.8	2.64	1.22
HUE 2	HL6-C4	374,009.6	6,935,735.0	2.91	1.01
HUE 2	HL6-C5	374,034.8	6,935,780.3	2.27	0.01
HUE 2	HL6-C6	373,987.4	6,935,707.5	2.13	1.04
HUE 2	HL6-C7	373,951.6	6,935,658.1	5.20	0.36
HUE 2	HL6-C8	373,929.3	6,935,642.7	2.26	0.60
Unnamed	HL8-C1	374,297.2	6,934,333.2	6.43	0.27
Unnamed	HL8-C2	374,295.7	6,934,313.4	1.80	0.30
MAX 1	GOL-003	373,468.8	6,937,623.7	6.00	0.92
MAX 1	GOL-002	373,470.6	6,937,636.3	4.00	0.93
HUE 3	HUE-001	373,058.3	6,934,938.6	6.65	1.19
HUE 3	HUE-002	373,047.7	6,934,916.8	8.60	0.75
Total average Li20% of Hidden Lake channel samples					**1.01**

Summary of the 2023 outcrop assay results from Hidden Lake.

Hidden Lake Outcrop Sample Assay Results (NAD83z12)				
Outcrop Sample ID	**Easting**	**Northing**	**Rock Type**	**Li2O %**
D00434460	374202	6933459	pegmatite	0.00
D00434459	373947	6933695	pegmatite	0.00
D00434458	373979	6933680	pegmatite	0.01
D00434457	374004	6933728	pegmatite	0.00
D00434456	374021	6933764	pegmatite	0.01
D00434455	374033	6933792	pegmatite	0.01
D00434454	374036	6933807	pegmatite	0.02
D00434453	374290	6934272	pegmatite	0.00
D00434452	372965	6935433	pegmatite	0.00
D00434451	373030	6935367	pegmatite	0.00
D00434438	373433	6935021	pegmatite	0.01
D00434437	373454	6935119	pegmatite	0.01
D00434436	373466	6935190	pegmatite	0.00
D00434435	373407	6935223	pegmatite	0.01
D00434434	373426	6935154	pegmatite	0.01
D00434433	373418	6935281	pegmatite	**0.11**
D00434432	373395	6935270	pegmatite	**1.23**
D00434431	373400	6935255	pegmatite	**1.52**
D00434430	373389	6935189	pegmatite	0.00
D00434336	375659	6936829	pegmatite	**0.18**
D00434335	375690	6936845	pegmatite	**0.49**
D00434332	373942	6935149	pegmatite	0.00
D00434331	374340	6934293	pegmatite	0.00
D00434330	374335	6934236	pegmatite	0.00
D00434329	374364	6934143	pegmatite	0.01
D00434328	374403	6934220	pegmatite	0.01
D00434327	374351	6934366	pegmatite	0.00
D00434326	374471	6934302	pegmatite	0.00
D00434321	374722	6934603	pegmatite	0.01
D00434320	374777	6934649	pegmatite	0.00
D00434319	374965	6934741	pegmatite	0.02
D00434318	374937	6934791	pegmatite	0.01
D00434317	374914	6934822	pegmatite	0.01
D00434316	374865	6934839	pegmatite	0.01
D00434315	372424	6937053	pegmatite	0.02
D00434314	372426	6937033	pegmatite	0.00
D00434313	372409	6936992	pegmatite	0.00

D00434312	372384	6936950	pegmatite	0.00
D00434311	372361	6936905	pegmatite	0.00
D00434310	371159	6936242	pegmatite	0.01
D00434309	371247	6936126	pegmatite	0.00
D00434308	371381	6936166	pegmatite	0.01
D00434307	371427	6936231	pegmatite	0.00
D00434306	371845	6937655	pegmatite	0.01
D00434305	371855	6937736	pegmatite	0.01
D00434304	372034	6937826	pegmatite	0.00
D00434303	371982	6937849	pegmatite	0.00
D00434302	371637	6937934	pegmatite	0.00
D00434301	371587	6937795	pegmatite	0.00
D00434261	376834	6935196	pegmatite	0.00
D00434260	377231	6936256	pegmatite	0.00
D00434259	371761	6937004	pegmatite	0.01
D00434258	371747	6936946	pegmatite	0.00
D00434257	371727	6936888	pegmatite	0.01
D00434256	371767	6936828	pegmatite	0.00
D00434255	371812	6936694	pegmatite	0.01
D00434254	371763	6936452	pegmatite	0.00
D00434253	371757	6936453	pegmatite	0.00
D00434252	371741	6936450	pegmatite	0.01
D00434251	371597	6936441	pegmatite	0.01
D00434246	373911	6935026	pegmatite	0.02
D00434245	373916	6934976	pegmatite	0.01
D00434244	374087	6934882	pegmatite	0.00
D00434243	373258	6936207	pegmatite	0.01
D00434242	373173	6936100	pegmatite	0.01
D00434241	373035	6936130	pegmatite	0.01
D00434240	373008	6936004	pegmatite	0.00
D00434239	372964	6935907	pegmatite	0.01
D00434238	372988	6935956	pegmatite	0.00
D00434237	373104	6935984	pegmatite	0.01
D00434236	373105	6936003	pegmatite	0.00
D00434235	373110	6935997	pegmatite	0.00
D00434234	374600	6933999	pegmatite	0.00
D00434233	374545	6934019	pegmatite	0.00
D00434232	374503	6933935	pegmatite	0.01
D00434231	374747	6933932	pegmatite	0.00
D00434230	374980	6933806	pegmatite	0.00
D00434229	374967	6933798	pegmatite	0.00
D00434228	372447	6937092	pegmatite	0.00

D00434227	372523	6937233	pegmatite	0.00
D00434226	372557	6937329	pegmatite	0.01
D00434221	372592	6937435	pegmatite	0.00
D00434220	372568	6937452	pegmatite	0.00
D00434219	372497	6937413	pegmatite	0.00
D00434218	372528	6937458	pegmatite	0.02
D00434217	372419	6937752	pegmatite	0.00
D00434216	372438	6937797	pegmatite	0.01
D00434215	371631	6936480	pegmatite	0.00
D00434214	371647	6936506	pegmatite	0.00
D00434213	371575	6936544	pegmatite	0.00
D00434212	371557	6936563	pegmatite	0.01
D00434211	371393	6936493	pegmatite	0.00
D00434210	371416	6936433	pegmatite	0.02
D00434209	371461	6936452	pegmatite	0.00
D00434208	371445	6936472	pegmatite	0.00
D00434207	371465	6936529	pegmatite	0.01
D00434206	376266	6932936	pegmatite	0.03
D00434205	371429	6937441	pegmatite	0.01
D00434204	371476	6937413	pegmatite	0.00
D00434203	371572	6937391	pegmatite	0.00
D00434202	371602	6937380	pegmatite	0.00
D00434201	371656	6937347	pegmatite	0.01
D00434196	371441	6936256	pegmatite	0.01
D00434195	371478	6936305	pegmatite	0.01
D00434194	371551	6936354	pegmatite	0.00
D00434193	371632	6936302	pegmatite	0.00
D00434192	371569	6936359	pegmatite	0.00
D00434191	371585	6936343	pegmatite	0.00
D00434190	375878	6934675	pegmatite	0.00
D00434189	371134	6935572	pegmatite	0.00
D00434188	371233	6935553	pegmatite	0.00
D00434187	371258	6935597	pegmatite	0.00
D00434186	371269	6935725	pegmatite	0.00
D00434185	371327	6935961	pegmatite	0.01
D00434184	371423	6936129	pegmatite	0.01
D00434183	371444	6936104	pegmatite	0.01
D00434182	371459	6936165	pegmatite	0.00
D00434181	371495	6936206	pegmatite	0.00
D00434180	371512	6936237	pegmatite	0.01
D00434179	371524	6936260	pegmatite	0.00
D00434178	371542	6936303	pegmatite	0.00

D00434177	371586	6936343	pegmatite	0.00
D00434176	373839	6935468	pegmatite	**0.13**
D00434171	374111	6935892	pegmatite	0.01
D00434170	374096	6935847	pegmatite	0.04
D00434169	374063	6935832	pegmatite	0.01
D00434168	374049	6935809	pegmatite	0.02
D00434167	374033	6935780	pegmatite	0.01
D00434166	374031	6935791	pegmatite	0.03
D00434165	373985	6935697	pegmatite	0.03
D00434164	374177	6935961	pegmatite	0.02
D00434163	374186	6935979	pegmatite	**0.09**
D00434162	374259	6936123	pegmatite	**0.37**
D00434161	374199	6936124	pegmatite	0.01
D00434160	374183	6936134	pegmatite	0.01
D00434159	374174	6936168	pegmatite	0.01
D00434158	374184	6936174	pegmatite	0.00
D00434157	374207	6936270	pegmatite	0.00
D00434156	374183	6936222	pegmatite	0.01
D00434155	374331	6936251	pegmatite	0.01
D00434154	374167	6936414	pegmatite	0.00
D00434153	374166	6936425	pegmatite	0.02
D00434152	374262	6936461	pegmatite	0.00
D00434151	373235	6936632	pegmatite	0.00
D00434146	371558	6937386	pegmatite	0.00
D00434145	371520	6937424	pegmatite	0.00
D00434144	371493	6937460	pegmatite	0.00
D00434143	373932	6934924	pegmatite	0.01
D00434142	374012	6935010	pegmatite	0.01
D00434141	374071	6935081	pegmatite	0.00
D00434140	374109	6935134	pegmatite	0.01
D00434139	374248	6935667	pegmatite	0.00
D00434138	374340	6935536	pegmatite	0.01
D00434137	374340	6935522	pegmatite	0.00
D00434136	374419	6935420	pegmatite	0.05
D00434135	374529	6935416	pegmatite	0.01
D00434134	374659	6935238	pegmatite	0.01
D00434133	374677	6935227	pegmatite	0.00
D00434132	374682	6935203	pegmatite	0.01
D00434131	374702	6935149	pegmatite	0.00
D00434130	374705	6935122	pegmatite	0.01
D00434125	374166	6935871	pegmatite	0.00
D00434124	374157	6935944	pegmatite	**0.15**

D00434123	374184	6936125	pegmatite	0.03
D00434122	374176	6936142	pegmatite	0.01
D00434121	374172	6936174	pegmatite	0.04
D00434120	374177	6936199	pegmatite	0.00
D00434119	374187	6936222	pegmatite	0.01
D00434118	374193	6936254	pegmatite	**0.09**
D00434117	372987	6936398	pegmatite	0.00
D00434116	373102	6936331	pegmatite	0.00
D00434115	373133	6936381	pegmatite	0.00
D00434114	373152	6936416	pegmatite	0.00
D00434113	373178	6936473	pegmatite	0.00
D00434112	373218	6936562	pegmatite	0.00
D00434111	373228	6936584	pegmatite	0.00
D00434110	373240	6936600	pegmatite	0.01
D00434109	373216	6936595	pegmatite	0.01
D00434108	373531	6936609	pegmatite	**0.09**
D00434107	375208	6936930	pegmatite	0.02
D00434106	375152	6936900	pegmatite	0.01
D00434105	375158	6936948	pegmatite	0.00
D00434104	375159	6936956	pegmatite	0.03
D00434103	375146	6937231	pegmatite	0.04
D00434102	375052	6937123	pegmatite	0.00
D00434101	375035	6937097	pegmatite	0.00
D00434096	373255	6936679	pegmatite	0.00
D00434095	373272	6936726	pegmatite	0.00
D00434094	373519	6937741	pegmatite	**0.66**
D00434093	373469	6937643	pegmatite	**2.87**
D00434092	373398	6937555	pegmatite	**0.37**
D00434091	373090	6937802	pegmatite	0.00
D00434090	373127	6937935	pegmatite	0.00
D00434089	373115	6937917	pegmatite	0.00
D00434088	375212	6936964	pegmatite	0.00
D00434087	373485	6934411	pegmatite	**0.90**
D00434086	373381	6934840	pegmatite	0.01
D00434085	373495	6934843	pegmatite	0.07
D00434084	373453	6934746	pegmatite	0.01
D00434083	373491	6934727	pegmatite	0.01
D00434082	373791	6934669	pegmatite	0.00
D00434081	373811	6934714	pegmatite	0.01
D00434080	373736	6934548	pegmatite	0.00
D00434079	373789	6934554	pegmatite	0.00
D00434078	373864	6934542	pegmatite	0.00

D00434077	375020	6932700	pegmatite	0.00
D00434076	375018	6932698	pegmatite	0.00
D00434071	375018	6932699	pegmatite	0.01
D00434070	375021	6932699	pegmatite	0.02
D00434069	375049	6932562	pegmatite	0.01
D00434068	375349	6932416	pegmatite	0.00
D00434067	373312	6935143	pegmatite	**0.75**
D00434066	373285	6935069	pegmatite	0.00
D00434065	373312	6934738	pegmatite	0.01
D00434064	373326	6934778	pegmatite	0.01
D00434063	373272	6934928	pegmatite	0.00
D00434062	374212	6934254	pegmatite	0.00
D00434061	374164	6934291	pegmatite	0.01
D00434060	374156	6934332	pegmatite	0.01
D00434059	374165	6934321	pegmatite	0.00
D00434058	374179	6934354	pegmatite	0.01
D00434057	374198	6934407	pegmatite	**0.24**
D00434056	374218	6934428	pegmatite	0.00
D00434055	374233	6934471	pegmatite	0.01
D00434054	374579	6933434	pegmatite	0.00
D00434053	374532	6933353	pegmatite	0.00
D00434052	374491	6933287	pegmatite	0.01
D00434051	373779	6932915	pegmatite	0.01
D00434046	373360	6935198	pegmatite	0.01
D00434045	373346	6935184	pegmatite	0.01
D00434044	373268	6935210	pegmatite	0.01
D00434043	373028	6934928	pegmatite	0.01
D00434042	374761	6932921	pegmatite	0.01
D00434041	374705	6933006	pegmatite	0.01
D00434040	374732	6932959	pegmatite	0.00
D00434039	374667	6933040	pegmatite	0.01
D00434038	374611	6932877	outcrop	0.01
D00434037	373170	6935078	pegmatite	**0.68**
D00434036	373127	6935029	pegmatite	**1.95**
D00434035	373083	6934980	pegmatite	**1.27**
D00434034	373062	6934954	pegmatite	**2.51**
D00434033	373057	6934943	pegmatite	**2.41**
D00434032	373044	6934924	pegmatite	**2.37**
D00434031	372970	6934826	pegmatite	**1.33**
D00434030	374631	6933079	pegmatite	0.01
D00434029	374807	6933321	pegmatite	0.00
D00434028	374777	6933383	pegmatite	0.01

D00434027	374742	6933421	pegmatite	0.01
D00434026	374716	6933476	pegmatite	0.00
D00434021	374690	6933506	pegmatite	0.00
D00434020	374657	6933549	pegmatite	0.00
D00434019	374627	6933593	pegmatite	0.01
D00434018	374592	6933634	pegmatite	0.01
D00434017	374559	6933663	pegmatite	0.00
D00434016	374240	6934386	pegmatite	**0.40**
D00434015	374237	6934369	pegmatite	**0.10**
D00434014	374234	6934354	pegmatite	**0.28**
D00434013	374235	6934333	pegmatite	**0.21**
D00434012	374288	6934332	pegmatite	0.04
D00434011	374243	6934127	pegmatite	0.01
D00434010	374257	6934123	pegmatite	0.00
D00434009	374256	6934120	pegmatite	0.01
D00434008	374182	6934031	pegmatite	0.00
D00434007	374130	6933979	pegmatite	0.01
D00434006	374061	6933861	pegmatite	0.08
D00434005	374064	6933870	pegmatite	0.01
D00434004	373759	6933810	pegmatite	0.01
D00434003	374161	6932379	pegmatite	0.01
D00434002	374132	6932334	pegmatite	0.00
D00434001	374075	6932250	pegmatite	0.00

JORC Code, 2012 Edition – Table 1

Section 1 - Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or*	• In 2023 geological mapping and sampling traverses were pre-planned from targets identified in satellite imagery. Geological field crews completed planned traverses with limited deviation from the planned traverses. A total of 138.45 km's were walked by field crews. Outcrops were examined, logged and sampled by sites selected by geologists. Sampling of mostly outcrops that were rounded by glaciers was done using large geological picks to remove selected samples for outcrop. A total of 269 outcrop grab samples were collected with 52 blind certified reference material (CRM) samples submitted to the laboratory and 29 channel samples were taken with 4 CRMs Note: The spot grab samples are not representative of the grade of the entire outcrop. • LiDAR and orthophoto surveys have been flown for the entirety of the Hidden Lake Project at a 50m line spacing. SHA Geophysics contracted Pioneer Exploration Consultant's Ltd to undertake the LiDAR and orthophoto survey. The survey covered 25 km2 of airborne LiDAR and orthophoto data collected at a point density of approximately 40 points per m2. Orthophotos collected at a GSD of approximately 8–10 cm. The survey was conducted using a Phoenix Ranger LiDAR scanner with model accuracy of 15 cm. For historical work: • In 2016, 60 channel cuts were completed resulting in 308 samples, averaging approximately 1 m per sample. • In 2017, 10 channel cuts were completed resulting in 33 sample, averaging approximately 1 m per sample. • Channel samples from 2016 to 2017 were sent to Activation Laboratories ("Actlabs") Ltd. in Kamloops, BC, Canada, for analysis. • In 2018, a total of 1,079.37 m of NQ core was recovered and 159 half-core samples collected. Mineralized core was sampled at ~1 m lengths and unmineralized core at a maximum of ~1.5 m. • Half-core samples along with 38 QAQC samples made up of ¼ NQ core duplicates, certified reference materials (CRMs) and quartz blanks were sent to SGS Canada Inc. Laboratories in Lakefield, Ontario for analysis.

	mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• No Drilling completed in 2023. A Government of Northwest Territories Land Use Permit application for drilling has been submitted, awaiting approval. For historical work: • A portable gas-powered diamond-bladed saw was utilized for channel cuts. • A Boyles 27A diamond drill was used for drilling. • All diamond drill holes were drilled by standard tube wireline methods. All holes are collared using NW casing and drilled with NQ rods. • Core was not oriented.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Recovery was 100% for both outcrop grab and channel samples. For historical work: • Channel cuts only sampled visually mineralized rock. Overburden resulted in gaps in channel cuts. • Drill core recoveries were measured after each drill run, comparing length of core recovered vs. drill depth. Core recoveries were good due to the competent nature of the rock, averaging 97% over all 10 drillholes. • Mineralized rock in drillholes was sampled sample lengths of 1m and unmineralized rock at lengths of approximately 1.5 m. • There is no observed relationship between core recovery and grade.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*	• In 2023 outcrop grab samples and channel cut samples were geologically logged with sample details in the field, with digital data entered onto tablets using MXDeposit software as they were collected. Photos were taken of all sample sites. Outcrop, Surface Structure and Surface Sample data were collected. For historical work: • Channel cuts were geologically logged in the field qualitatively with pen and paper as they were collected and then entered to digital databases. • Photos were taken of the channel cuts after the channel sample was removed.

	• *The total length and percentage of the relevant intersections logged.*	• Drill core was all geologically and geotechnically logged using an industry-standard logging scheme. • Logged intervals were based on geological boundaries. The geological log incorporates geotechnical parameters, lithology, weathering, alteration, and veining. • Geological logging was based on both qualitative identifications of geological characteristics and semi-quantitative estimates of mineral abundance. Geotechnical logging uses standard semi-quantitative definitions for estimating rock strength and fracture density. • A digital photographic record was maintained for all drill core. • Electronic geological logs were created using a Microsoft Excel logging template on laptop computers.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• The 2023 channel cuts were approximately 5 cm wide and deep were made with a handheld gas-powered diamond-bladed saw. The four channels were oriented perpendicular to the surface outcrop pegmatite geological contacts. Their lengths may approximately represent apparent widths if the host rock metasediments were found, if the contacts were not observed the apparent widths have the potential to be larger. Blind standards and blanks were submitted inserted into the sample stream. For historical work: • Channel cuts roughly 5 cm wide and deep, were made with a handheld gas-powered diamond-bladed saw. • The channel samples were removed with a hammer and chisel, and the entire channel cut was sampled at ~1 m intervals. • All channel samples were sent to Actlabs in Kamloops, BC, for standard sample preparation (Code RX1), which includes crushing up to 80% passing 2 mm, riffle splitting (250 g) and pulverizing to 95% passing 105 µm. • Drill core was cut in half with an electric diamond-bladed saw. Quarter-cut duplicates were made periodically for QAQC. • No other direct knowledge of other sampling method details undertaken during the drill campaign but have no reason to believe the operators did not follow industry standard practices. • Sizes were appropriate for the grain size of the material sampled in both the channel cuts and drill core samples. • Channels were cut perpendicular to vein strike & spaced regularly (generally < 50 m). • All core samples collected were shipped to SGS Canada's laboratory in

		Lakefield, ON, for standard sample preparation (code PRP89) which includes drying at 105°C, crushing to 75% passing 2 mm, riffle splitting 250 g, and pulverizing to 85% passing 75 microns
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• For 2023 field work; Samples were couriered in secure containers labelled with sample numbers and company, submitted to SGS Canada, Burnaby, BC for analysis. G_WSH-G_WSH_PUL: Barren wash after pulverizing stage (all samples). G_WSH-G_WSH_CRU: Barren wash after crushing stage (all samples). Prep: PRP89: Analysis: GE_ICM91A50 and GE_ICP91A50-AE (B) (add Boron). Lithium sodium peroxide fusion assaying is considered a total digestion technique. For historical work: • All channel samples were analysed by Actlabs in Kamloops, B.C., for analysis using packages UT7 (55 elements ICP-MS after sodium peroxide fusion) and 2017 samples were also analysed with code 1A2-ICP (Au by Fire Assay). Overlimit Li values were analysed with code 8 Li • No certified reference materials were submitted with the channel samples for analysis due to the preliminary nature of the fieldwork, with the operator relying on the laboratory's internal QA/QC. • Analytical procedures are considered adequate for the early-stage nature of the programs. • All drill core samples were submitted to SGS Canada in Lakefield, Ontario, for analysis with packages GE ICM90A (55 elements ICP-AES after sodium peroxide fusion) and GE FAA313 (Au by Fire Assay). • In addition to the ½ NQ core samples, ¼ NQ core duplicates, pulp duplicates, certified reference materials (CRMs) and quartz blanks were inserted into the sample stream at systematic intervals for QA/QC. • QA/QC samples comprised 14% of total drill core samples submitted for analysis. • Both Actlabs and SGS Canada are ISO 17025 certified laboratories and implement routine Quality Assurance and Quality Control (QA/QC) protocols during the analytical process. The procedures include using pulp duplicates and internally certified reference materials.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data*	• Verification of sampling and assaying was performed by an independent contractor, Dahrouge Geological Consulting field geologists managed by a JORC CP. MXDeposit software was used for data entry. The independent contractor Senior Geologist is a JORC CP and verified data as the program was undertaken. The Loyal Lithium JORC CP also was on site during the program and verified data. While being collected

	entry procedures, data verification, data storage (physical and electronic) protocols. • *Discuss any adjustment to assay data.*	For historical work: • A 43-101 report was published in 2016 that verified the 2016 channel sampling procedure and confirmed lithium-bearing pegmatites on the Property. • No additional verification or testing was completed during this evaluation. • No holes have been twinned. • All original assay data is stored in a spreadsheet in an as-received basis, with no adjustment to the returned data. • 2016 and 2017 channel samples are recorded in physical books that have been photographed. All other data is stored electronically in databases.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Sample locations were determined in the field by a handheld GPS and is stored in UTM NAD 83 Zone 12N projection format. Data collection software for the program was set up with Satellite Imagery as a basemap (ESRI Field Maps). Planned traverses visiting field targets were identified from satellite imagery were based on SHP files given to Dahrouge Geological Consulting field crew contractors by Loyal Lithium's Exploration Manager and JORC CP. For historical work: • Data is stored in UTM NAD 83 Zone 12N projection format. • Historical surface mapping points were georeferenced and validated against topography. • 2016 and 2017 channel sample location data was obtained using handheld GPS, with azimuth measurements collected using a compass. • Data points were generally well-constrained for X-Y coordinates but less reliable for Z coordinates for channel samples. Channel locations were verified against topography. • Drill hole collars were surveyed using a Topcon RTK differential GPS system, and are well-constrained in the X, Y and Z directions. • Drillholes were surveyed using a Reflex EZ-Gyro. Single shots were taken every 10 m down the entire length of the hole with multi-shots taken at the top, middle and bottom of the hole to optimize the collected orientation data. • Topographic control is from open-sourced High-Resolution Digital Elevation Model (HRDEM) from Natural Resources Canada (NRCAN).
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral*	• Field survey 2023 grab samples were unique single sites, with each sample selected based on outcrop form, wherever extraction of a sample was possible using a rock saw and removed with geological picks, chisels and hammers. Channel samples were selected on outcrops that contained considerable visible spodumene and were sampled on one metre lengths perpendicular to the interpreted strike of geological contacts. For historical work:

	Resource and Ore Reserve estimation procedure(s) and classifications applied. • *Whether sample compositing has been applied.*	• A geological model was constructed by Loyal Lithium using a spreadsheet of 10 drillholes and 70 channels totalling 1,411.82 m. • Geological mapping shows continuity along strike of pegmatite outcrops. • Channels are spaced between 25 to 50 m over six different pegmatite outcrops. • Drillholes are spaced between approximately 70 m to 150 m apart on four different pegmatite outcrops with two drillholes completed on the HL4 and D12 pegmatites and three drillholes completed on the HL1 and HL3 pegmatites. • Pegmatite intersections from all drillholes are less than 50 m vertical depth from surface, resulting in high concentrations of data at shallower depths. • No compositing of samples was applied prior to assaying.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• 2023 field survey outcrop samples were taken at the discretion of the field geologists, with up to 1-2 samples taken per individual outcrop. Channel samples were taken perpendicular to interpreted strike of pegmatite dyke outcrop. For historical work: • Drill holes were designed to intersect known mineralized features in a nominally perpendicular orientation as much as is practicable given the availability of drill pads. • Channel cuts were perpendicular to strike of the mineralized feature.
Sample security	• *The measures taken to ensure sample security.*	• For the 2023 field work samples were flown from the field in larger sealed plastic bags then placed in plastic buckets with lids in a secure room of a locked house of the geological contractor. Samples were delivered by certified freight from Yellowknife, NT to Burnaby, Ontario SGS Laboratory. For historical work: • Site employees and contractors were the only personnel with access to samples. • Logging, sampling and core cutting for the 2018 drilling program were performed in a secure yard in Yellowknife, NWT. • Samples were given a unique sample number. Each sample tag listed the project name, drillhole ID, top and bottom of sample interval, and sample number. • Laboratory services were in secure compounds.
Audits or	• *The results of any audits or reviews of*	• No independent audits or reviews were undertaken of the 2023 field work. An independent geological consultant, with JORC CP and Northwest Territories QP

reviews	*sampling techniques and data.*	status, managed the field mapping, outcrop and channel sampling program. The Loyal Lithium CP was on site during the entire field sampling program. For historical work: • The channel sampling and mapping were verified in a 2016 NI 43-101 report.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Hidden Lake Property is located 45 km east of Yellowknife, NWT, Canada. The Property consists of 6 contiguous claims (grouping number GC2129), located on NTS sheets 085I11 and 085I12, totalling 2.500.29 ha. Claims HID 1 to 3 were issued on March 1, 2016, and HID 4 and 5 were issued on June 30, 2016. Claim MON-1 was issued on December 14, 2022. Claims HID 1-3 have March 1, 2026 anniversary dates and claims HID 4-5 have June 30, 2026 anniversary dates. Claim MON-1 has an anniversary date of December 14, 2024. • A 21-year mining lease is required after these anniversary dates. • In January 2018, the HID1-5 claims that made up the Hidden Lake Property at the time were acquired by Patriot Battery Metals (previously 92 Resources Corp.). • In January 2018, Patriot Battery Metals signed an earn-in agreement with Foremost Lithium Resources and Technology (previously FAR Resources) for a 60% stake in the Hidden Lake Property. • On November 24, 2022, Foremost Lithium entered into an option agreement with Youssa Pty Ltd. to sell 60% interest in the five (5) HID 1-5 contiguous mineral exploration claims that make up the Hidden Lake Property. • The HID 1-5 claims are currently held in the name of Patriot Battery Metals and are in good standing. Claims HID 1-3 have an anniversary date of March 1, 2026, and claims HID 4-5 have an anniversary date of June 30, 2026. • The MON-1 claim was staked on December 14, 2022, is owned by DGRM, and currently in the name of Jordan Pearson. The MON-1 claim is currently in good standing and has an anniversary date of December 14, 2024. • Loyal Lithium is in the process of acquiring the 60% ownership stake in HID 1-5 previously held by Foremost Lithium and currently resides in the name of Youssa Pty Ltd as well as 100% interest in the MON-1 claim that is currently owned by DGRM. Loyal is also in the process of entering a Joint Venture arrangement with Patriot Battery Metals who currently owns the other 40% ownership of the HID 1-5 claims. • The Property is surrounded by land withdrawals to the north and other claims to the south and west. No claims or land withdrawals are to the east. • Consultation and engagement are required for 8 stakeholders in the area, consisting of local Indigenous Groups and land users, which include

		○ The Akaitcho Dene First Nation ○ The Yellowknives Dene First Nation ○ The Lutsel K'e Dene First Nation ○ The Deninu Kue First Nation ○ The North Slave Métis Alliance ○ The Fort Resolution Métis Council ○ The Northwest Territories Métis Nation ○ The Tlicho Government • A previous archaeological study of the area in 2018 found no archaeological findings in the Property area and that a winter drill program would not require an archaeological impact assessment due to low anticipated disturbance. • An archaeological assessment may be warranted in the future should further exploration or camp development occur in high-potential areas or occur under summer conditions. • A Land Permit from the Mackenzie Valley Land and Water Board may be required under certain conditions, including drill programs and the use of any heavy equipment. No impediments to obtaining this Permit are anticipated.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• The most significant historical exploration work on the Property has been completed on the D12 pegmatite, first discovered by the Geological Survey of Canada in 1947. • Lithium-bearing pegmatite dykes in the Hidden Lake area were first staked by General Lithium Corp Ltd. in 1955. • In July 1975, pegmatites in the area were staked by Canadian Superior Exploration Ltd., as the LU claims; they later completed a large exploration program in 1978. • In the late 1980s, the northern parts of the Property were staked by the Continental Pacific Resources as part of the Shorty 1 Project, however much of the historical work completed was on pegmatites outside of the current Property boundary except for pegmatite D12. • In 2016, 92 Resources Corp. conducted a prospecting and sampling program; 10 rock samples were collected initially. A follow-up program the same year resulted in a total of 308 channel samples collected from 60 channels across the D12, HL1, HL3, and HL4 dykes and 10 grab samples from other pegmatites on the Property. • In 2017 92 Resources collected 33 samples from 10 channels on dykes HL6 and HL8, with an additional 24 grab samples from the south end of the Property. • In 2018 a 10-hole, 1,079.37 m diamond drilling campaign yielded a combined 159 half-core samples from dykes D12, HL1, HL3, and HL4.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Hidden Lake Property lies within the southern Archean Slave Craton of the Canadian Shield, which comprises Mesoarchean gneissic basement covered by a Neoarchean supracrustal assemblage known as the Yellowknife Supergroup. The Yellowknife Supergroup consists of a thick sequence of metavolcanics and metasedimentary rocks, and within the Property area, this assemblage is dominated by the Burwash Formation. • The large Neoarchean granitic plutons which intrude the Burwash Formation include the two-mica granites of the Prosperous Suite and the biotite ± hornblende tonalite to granodiorite of the Defeat

Suite.

- The Prosperous Suite consists of several S-type biotite-muscovite leucogranite plutons that are spatially associated with granitic pegmatites. These pegmatites, some of which are rare element-bearing, intrude the surrounding Burwash Formation and the granitic plutons, forming the Yellowknife pegmatite field.
- These lithium-bearing pegmatites are the target for exploration on the Property and fall under the "LCT", lithium-caesium-tantalum, pegmatite deposit type.
- The lithium-bearing pegmatites on the Property are recorded as long, discontinuous, NNE-SSW trending bodies with sharp contacts with the metasediments. They are measured at up to 800 m long and 11.5 m wide, with spodumene and lesser montebrasite being the primary lithium-bearing minerals.

Drill hole Information

- *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
  - *easting and northing of the drill hole collar*
  - *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
  - *dip and azimuth of the hole*
  - *down hole length and interception depth*
  - *hole length.*
- *If the exclusion of this*

- No 2023 drilling is reported in this announcement

For historical work:

- Detailed drillhole information and lithium pegmatite intersections were compiled from the Hidden Lake Property to develop the geological model. The drillhole attributes and pegmatite intersection summary are presented in the following tables.

2018 Drillhole Summary

Hole ID	Easting (m)	Northing (m)	Elevation (m)	Azimuth (°)	Dip (°)	DDH Depth (m)	Hole Diameter
HL18-001	374934.7	6936971	250.34	145	45	109	NQ
HL18-002	375022.6	6937090	248.55	145	45	101.34	NQ
HL18-003	374892.8	6936899	247.35	145	45	108.94	NQ
HL18-004	373748.2	6936978	249.42	145	45	106.19	NQ
HL18-005	373702.2	6936886	251.34	145	45	108.82	NQ
HL18-006	373440	6937524	259.75	145	45	108.94	NQ
HL18-007	373407.1	6937465	258.9	145	45	109	NQ
HL18-008	373361.2	6937389	256.82	145	45	108.94	NQ
HL18-009	373363.9	6937097	253.43	145	45	109.2	NQ
HL18-010	373305.9	6937011	254.77	145	45	109	NQ

Drillhole and Channel Intersection Summary

Pegmatit	Number	Number of	Surface Exposure	Downhole Intersection

	information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	

e Dyke	of Channels	Drillholes	Length (m)	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)
D12	15	3	350	2.25	11.58	7.37	11.12
HL1	16	2	700	1	8.72	3.42	7.59
HL3	15	2	800	1.63	9.64	7.68	8.68
HL4	15	3	400	2.48	8.02	5.62	7.72
HL6	8	-	180	2.13	5.2	-	-
HL8	2	-	30	1.8	5.1	-	-
HL13	-	-	200	1	4	-	-

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such*	• For the 2023 field work outcrop and channel sample assay results are reported individually for each sample and as length weighted averages in this announcement. For historical work: • Exploration results are reported within distinct geological boundaries, typically the contact between pegmatite and metasediment. • Lithium-bearing pegmatite intersections were generally sampled at ~1 m lengths. • The grades are compiled using length weighting with no top cutting. • No metal equivalent values were used.

	aggregations should be shown in detail. • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Field work 2023 channel sample intervals were taken across outcrop, perpendicular to the interpreted and actual observed geological contacts and represent approximate minimum apparent widths. For historical work: • Drill holes were designed to intersect known mineralized features in a nominally perpendicular orientation as much as is practicable given the availability of drill pads. • Channel cuts were perpendicular to strike of the mineralized feature. • Drill intercepts are reported as apparent thickness. Unless otherwise specified, all thicknesses within this document are apparent thicknesses. The geological modelling software combines drillhole orientation and intercepts from downhole logs with known and extrapolated surface mapping to project the geometry of pegmatite dykes.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view*	• Figures and photos provided in the announcement

	of drill hole collar locations and appropriate sectional views.	
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• For the 2023 field work all details of the outcrop and channel samples are reported. For historical work: • There is no preferential reporting of results. The current Hidden Lake Property geological model is a tool for targeting future exploration. Data has been validated against raw records, no material has been excluded, and the outputs from the model honour data inputs.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential*	• After the completion of the field program high-resolution orthophotos in geotiff format at were received at a GSD of 15cm. • In 2022/2023 high resolution Pleiades Neo Satellite Imagery 4-band archive; 30cm {© Airbus DS 2022} was acquired by Loyal Lithium. Bundle processing included scaling, orthorectification, enhancement, mosaic and cloud patch as required. Natural colour and false colour infrared products have been prepared. Images in both natural colour and infrared were examined on computer screen, manually comparing known high albedo pegmatite outcrops, from historical mapping data, and new outcrop targets implied to be pegmatites. Historical mapping on the Property has been used to constrain the surficial expression of the mineralised pegmatites. The outcrop targets were digitised by hand and exported in a variety of formats and will be used to locate outcrops in the field when mapping and sampling. Sentinel 2 and Aster data were reprocessed by Terra Resources to produce a series of images including the Lithium band and geology combinations plus a wide array of additional images. For historical data: • Density information was collected at roughly 5m intervals within mineralized pegmatite and approximately 30 m intervals outside of pegmatite using the dry volumetric method. • A metallurgical program was initiated for the Hidden Lake Property following the completion of the

	deleterious or contaminating substances.	2016 channel sampling program with the primary objective of determining the amenability of pegmatite material to be processed for a potentially marketable concentrate.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is* • *not commercially sensitive.*	• Recommended work includes: ○ Follow-up stage two surface exploration, testing targets generated from LiDAR and orthophoto image surveys. Systematic property wide prospecting has been completed to ground truth satellite image outcrop targets and new outcrops and/or mineralized boulders. These require a second stage of field exploration if deemed required. ○ Geophysics Aeromagnetic/Radiometric survey at a 50m spacing. This program has been completed with results awaited. ○ A drill exploration program totalling 3,300m, with a focus on further delineating seven pegmatite dykes on the Property. A systematic approach to drilling will be conducted to fully understand the orientation of the mineralised bodies: ▪ The northeast and southwest extents of the pegmatites beyond the surficial outcrop may be drill tested to determine the extent along strike especially at D12 dyke ▪ Drilling will step out from 2018 drill holes to intersect the pegmatite bodies at greater depths below surface and develop an understanding of orientation and form sub-surface