Would like to be in Vancouver the night of the 10th.

Lyn
007679

Minor pyrite ~ 5-8%
mainly along shear zones but occasionally disseminated along the bulk, chlorite lamellae.
Also very minor galena associated with qtz fillings in shear zones.
~ 1-2%

Pyrite not continuous, but in sections the largest ~15'
Hole stopped in sericite, chlorite schist very fine grained.

Bruce

Kerr Addison Mines Ltd. Lyn Property Sept 2/71

Arctic Drilling Co. L71-1 13E W-56N 90°

From	To	Footage	Description
0	36'	36'	BW casing mixed boulders - gty biotite schist fine to med. grained with the biotite bands ~ 2mm apart ~40% biotite ~5% p-spar ~55% qtz. biotite ranging in colour from green to black. non magnetic; wkd no mineralyation.
36	39	3'	highly contorted altered sediment. Extremely fine lamellae ~.05 to >.5 mm apart with graphite and wider bands of talcose material between them; medium to M. grey in colour. The sediments are qtz rich with occasional blebs of pure silica between the lamellae The less contorted lamellae make an angle of ~40° with the core. Although the section is non magnetic, there is ~3-5% pyrite along the lamellae and minor micro fractures. Beige beige coloured Sphalerite? is mixed in with the graphite and qtz blebs, forming lamellae ~ 1mm thick with frequent pods ~ 1cm long along the core length.
39	41.3	2.3'	light to med. grey altered sediments, in sections blebs are highly contorted but generally core angle is ~25° occasional blebs of qtz injected along lamellae. Lamellae talcose rich - soapy to the feel. minor pyrite along lamellae ~2-3%, non magnetic

Kerr Addison Mines Ltd. Lyon Property Sept 2/91

Arctic Drilling Co. L91-1 90° 138W - 56N

From	To	Footage	Description
41.3	65.6	24.3'	med grey to br. grey, especially in first 4', altered sediments; qtz and biotite lamellae .5 to 2mm wide with occasional sections of qtz blebs to 5 mm wide. The first four feet are highly contorted with ~3% py along the lamellae. The folding becomes less contorted until the core angle becomes ~5°. Section moderately magnetic. Progressing down section ~53 to 59 the occurences of qtz injections are more frequent, with talcose and graphitic sections along the lamellae. The lamellae become ~horizontal and then tend into highly folded sections ~63' to end of section. Almost schistose in appearance.
65.6	89.5	23.9	med. grey to grey br. altered shaley sediments bedding highly contorted with qtz veins along fractures. Some running ~80° with minor blebs of galena along the down section end. ~3% lamellae from .5 to 1 mm wide. with qtz veining ~5mm. Very minor pyrite mineralization occasionally found along the qtz veining. - non. magnetic.
89.5	93.0	3.5'	lt grey altered shaley sediments with talc present along lamellae. Highly contorted with ~1' brecciated and quartz veins associated with the brecciation. Sphalerite along some fractures ~70° to core ≤1% pyrite, reddish brn garnets over 4" along

Kerr Addison Mines Ltd. | Lyn Property | Sept 2/71

Arctic Drilling Co. | L 71-1 | 90° | 133W-56N

From	To	Footage	Description
			Brecciated Section: . Minor galena down Section associated with qtz. garnet veining
93.0	129.7	36.7'	med grey-bn Sebistose altered Sediments with biotite along lamellae. Lamellae ≈ .05 in thickness with quite frequent quartz veining. The lamellae are highly folded with the quartz veining .5 mm to 13 cm in thickness both coincident with the lamellae and distorting them. The biotite is tending to light bn. possibly phlogopite. Mineralization is restricted to areas of qtz veining and here its just spotty pyrite ≈ 3-7 %
129.7	134.5	4.8'	Grey hornfels with possible micro layering. lt. to med. grey brown. in Colour. massive. Appears to be minor biotite (red bn.) along some bands in the Section ⊥ to it. Minor occurrences of quartz veining with ≈ 1.2 % pyrite associated with it. Non magnetic. micro-Sebistose ??
134.5	146.4'	11.9'	biotite rich hornfels lamellae tending to massive Section med. to dk grey brown. Where visible the Ore angle increases down Section from 20° to 50° to 70° Cat 139.5 it is approx 90° to the Section (ie along Section). qtz veining with pyrite associated increases down section py ≈ 2% non magnetic. Core angle decreases to ≈ 0 end of Section

Kerr Addison Mines Ltd. Lyn Property Sept 3/71.

Arctic Drilling Co. L71-1 90° 138W - 56N

From	To	Footage	Description
146.4	147.4	1'	limey altered shales with gtz staining connected with the highly folded .5 to 1 mm lamellae. Very minor occurrences of galena and garnets associated with a quartz filling along a fracture ~60° to core section. non magnetic galena ~ <1%
147.4	150	2.6'	limey biotite rich altered sediments (shale)(Schistose) massive, med. grey brown in colour with minor quartz veinlets cutting section. Possible micro schist. with biotite along lamellae. pyrite associated with minor fractures and closely spaced lamellae ~ .05 mm thick to 1 mm. py ~ 4% non magnetic with core angle ~ 7°
150	156.5	6.5'	limey, biotite rich altered schist (Schist) with the lamellae highly folded and frequent occurrences of qtz along the lamellae. pyrite ~ 3% associated with minor fractures and along some lamellae. lamellae 7 .05 to ~2 mm. in thickness down section. tend out of Schistose rock type and into talcose rich shales. lighter in colour - lt. grey with core angle ~ 0. Return to massive section of limey biotite rich schist with probable micro lamellae and progressing down section. Core angle increases to ~ 20° and the lamellae in thickness to ~ 1 mm. (largest)

Kerr Addison Mines Ltd Lyon Property Sept 3 / 71

Arctic Drilling Co. L71-1 90° 138W - 56N

From	To	Footage	Description
156.5	162.0	5.5	Limey altered shales lt. grey in colour tending from massive to obscurable lamellae making core angle ≈ 8° Down section > biotite to almost schistose appearance, but still retaining v. fine grained texture. non magnetic with the "usual" minor occurrences of py ≈ 4-5%
162	166	4'	Limey biotite rich schistose altered sediments. mid grey to lt. grey. Bottom the first foot highly concentrated with biotite the lamella in minor folds making angles ≈ 6-9° with the section (to horizontal) Tending to more massive down section with the same gross core angle, but the lamellae thicker to 1mm. minor pyrite ≈ 3-4%
166	174.6	8.6'	Continues with limey shales Some biotite present but very minor. Massive section to 173' then highly broken from 169.5 to 171 Sphalerite?, beige coloured occuring along lamellae and in sections ≈ 4 mm thick. minor occurrences of quartz veinlets along lamellae. lamellae fluctuate between slight folding and core angles ≈ 8-10° on the less contorted ones. non magnetic fine grained.
174.6	183.6	9'	Limey graphitic shales lamellae ≈ .5 to 1mm wide lt. grey to mid grey in colour. Minor occurrences of quartz veinlets crossing the lamellae, with occasional biotite rich bands occurring with the quartz veinlets. The graphite lamellae trend from 0 to 5° to core.

Kerr Addison Mines Ltd. Cyn. Property Sept 3 /71

Arctic Drilling Co. C 71-1 90° B8W-56N

From	To	Footage	Description
			minor occurrences of brecciated shales in a dk grey limey matrix cementing them. Fractures ~ 80° to core with quartz filling. minor and reddish br garnets in conjunction with filling.
			Minor galena and beige coloured sphalerite? Section ~ 1.5 cm thick at 176' on section. The galena is extremely fine grained. The sphalerite? continues in spotty occurrences along lamellae and as cross cutting veinlets to aprox. 178'.
			The core is highly broken over the three feet. 176 to 179.
			Pyrite continues to occur in minor amounts ~ 5% Section non magnetic.
183.6	191.1	7.5	Biotite rich shaley altered sediments med grey br. in colour, with the core angle ~~being~~ variable 0 - 9° with sections containing minor folding and micro fracturing and faulting.
			Quartz veining ~ 2cm thick down section No mineralization associated with its intrusion along the lamellae, but there is a 5mm section of finely laminated biotite lamellae associated with it.
			Non magnetic.
191.1	194.5	3.4	Lt. grey limey shales with a core angle 15 to 20° (variable)
			minor veinlets of quartz crossing lamellae ~ 2 mm thick with lamellae very fine < .05 mm thick
			non magnetic ~ 3% pyrite - very fine grained.

Corr Addison Mines Ltd. Cyn Property Sept 4 '71

Arctic Drilling Co. C71-1 138W-56N 90°

From	To	Footage	Description
194.5	203.0	8.5'	Biotite rich limey shales. light to med. grey brown in colour with the lamellae core angle 10-15° Very fine lamellae ± .05mm thick. The lamellae tend to become more biotite rich down section and up to 5mm thick. Core non magnetic with just minor occurrences of pyrite ± 3-4%.
203.0	208.0	5'	Garnet Sericite Schist, more biotite rich at contact with biotite rich limey shales, makes angle of ± 30° at contact. Schist grades into lighter grey with slight brown cast down section as % biotite decreases. Lamellae have a "waxy" appearance with garnets along each surface. Garnets are med. grey brown with sub hedral outline ± 1mm in diameter. Down section banding of Sericite becomes microscopic with occasional seamlets of qtz ± 2mm thick. Occurring with the these qtz rich seamlets is minor pyrite. Infrequent bands of pyrite ± 1mm thick are mixed with the schistose texture. non magnetic.
208	222.6	14.6	Med to dk grey Graphitic shales The core angle is predominately 9°, but tends to ± 20 at end of Section. The lamellae are very fine ± .05 to .5 mm thick with sections of thinly banded Sericite ± 2.5 cm thick. Minor shearing along Section with quartz filling

Kerr Addison Mines Ltd. Cyn Property Sept # 1971

Arctic Drilling Co. C71-1 90° 138W - 56N

From	To	Footage	Description
			Graphitic rich section with rich biotite lamellae occurring over 1.5's 219 to 220.5. Down section the graphitic shales (altered) commence again with pyrite rich lamellae mixed with the graphite and qtz.
			minor occurrences of med. reddish brown (fine grained) garnets at 218.5 and brownish grey ones at 220.3 over ~3cm.
			Section non magnetic.
222.6	227	4.4'	Continues with predominantly graphitic shales (altered) but end into more biotite rich down section. Med to dk. grey in colour with brecciated sections at 224' and minor qtz rich veinlet ~ 2.5 cm thick at 223.1 with minor occurrences of galena ~ 6% in blebs.
			U/m section where the graphitic rich lamellae are either not brecciated or contorted due to qtz veining the core angle is ~ 45°. This is substantially less up section to ~ 12°
			Pyrite has its "usual" occurrences in conjunction with the qtz veining and minor appearances along lamellae and fractures
227	238	8'	med to dk. grey brown. biotite rich schists with increasing % age of chlorite down section. med to dk grey gn.
			At 230.7 section becomes increasingly ~~fine~~ chloritic rich with pyrite both along lamellae and in blebs. ~ 20% also section rich in garnets ~ 35% med. grey bn. upto 233.2

Kerr Addison Mines Ltd. Lyn Property Sept 4 /71

Arctic Drilling Co. L71-1 90° 138W - 56N

From	To	Footage	Description
			Cl Shear at 233.2 marks the contact with the decidely richer ~~talcose~~ ~~chloritic~~ chloritic schist with biotite, brown banding at variable intervals .5 to 5 mm. Appears to be lenticules of dk. green ~~chloritic~~ talcose chloritic material intermittently along the lamellae. Down section mineralogy tends to biotite rich schistose bands ~1.5 cm thick with pyrite associated along a shear at a 50° to core. Tends into med to lt. grey green ~~chlorite~~ talc chlorite rich hornfels with biotite in decreasing % age.
235.0	246.4	11.4	Light to med. grey green hornfels possibly micro ~~talcose~~ chlorite schist. extremely fine grained. Appears to be fine laminations with core angle of 0 to 5° On broken section altered dk. gn. ~~talc~~ chloritic lamellae have a definite sheen soapy in appearance, but harder than finger nail. Massive. No observable mineral occurrence - Non Magnetic.
246.4	280.9	34.5	Med to dk. grey brown micro schist tending to massive hornfelsic texture in portions. Up section lamellae of alternating brown biotite and some minor graphite are observed. The core angle is variable from 5° to 10° Within the first 1.5' the section is very biotite rich with lenticules of chloritic material along the micro spaced lamellae. The last .5' of this section is mineralogized with dk. ~~grey~~ br. garnets and pyrite

Kerr Addison Mines Ltd. Lyn Property Sept 5/71

Arctic Drilling Co. C 71-1 90° 138W-56N

From	To	Footage	
			Down section the lamellae become finer grained with occasional injection of qtz veinlets with associated py mineralization and enriched biotite lamellae. Minor shearing along section ~ 256.4 over ~1ft with qtz filling and pyrite and chlorite constitutes along the larger breaks associated with qtz. ~ 270.1 in biotite rich section over .6' a new type of garnet is present, pink in colour and finer grained than dk. grey brown occurrences. At 277.1 a larger qtz vein over 18° is injected into a predominantly graphitic-rich lamellae. Minor brown biotite enriched down section to it. The section is non magnetic with an overall pyrite concentration ~ 17%
280.9	294.6	13.7'	Med to dk. gry, dk. brn. biotite schist trending to very fine grained homfelsic texture in sections. 286.6 to 288.2 Spotted bands with garnet (pk) and dk. grn. tentacles along the micro lamellae. Pyrite associated with dense occurrences of garnets and in blebs along section disseminated in fine occurrences along section. Minor occurrences of qtz veining and shear fillings. Core angle from 3° to 15° non magnetic with pyrite ~ 20%

Kerr Addison Mines Ltd. Lyn Property Sept 5/71

Arctic Drilling Co. C71-1 90° 138W-56N

From	To	Footage	Description
294.6	353.4	58.8	med to dk. brownish green garnet biotite chlorite schist. The structure is one of numerous "eyes" of garnet among finely lamellar biotite planes. These planes are foliated, contorted around the garnets. The garnets are both the med. grey brown and pink variety and range in diameter from .5 to 7 mm. Down section core tends to more chlorite rich with a minor amount of biotite, tends to sericite which is highly contorted on a micro scale. Pyrite as usual occurs in conjunction with qtz veining and along lamellae. ~ 8%.
353.4	432	78.6	med to dk. grey green, garnet sericite schist with minor occurrences of biotite rich lamellae. Lamellae contorted about the garnets but with a core angles 8° - 15°. Shears with qtz fillings at 276.5 to 280 in two sections pyrite goes with the qtz filling. garnets tend into pink predominetly with v. minor occurrences of grey brown variety. With the numerous qtz stringers and garnets schist has spotty appearance. Down section ~ 425 increase in quartz veinlets and sericite vs. biotite to elimination of biotite in sections, some muscovite, with qtz veinlets a mm thick in core section. Iron magnetic with pyrite ~ 3-5%.

Kerr Addison Mines Ltd. Lyn Property Sept 5/71

Arctic Drilling Co. L11-1 90° 138W-56N

From	To	Footage	Description
432	471.6		med to dk green brown biotite chlorite schist, with concentrated garnets of the grey brown variety over the first .9' tending into pink and then their absence. Lamellae are highly contorted on a micro scale with approximate core angle of 20°-30°. Pyrite mineralization in small isolated sections with an overall % age ~ 6%. Qty lamellae ~ 1.5 mm thick contorted with the biotite chlorite lamellae. Down section less concentration of biotite with > Sericite. Some sections ~ 453 very finely layered Sericite with chlorite soapy feel. At 450' fractures minor displacement with core angle ~ 55°.
471.6	500	28.4	Lt. to med. grey green Sericite chlorite schist micro structure tending to massive in sections. Minor occurrences of pk. garnets ~ 5 mm in diameter. Brecciated section over .4' at 484 with graphite rich lamella down section. fine grained. Sections with centimeters of biotite rich material in Sericite - chlorite rich lamellae. V. minor pyrite along shears ~ 50° to core at 478' and 489.5' pyrite over 1.5 cm. At 478.9 Shear with red br. garnets in qty rich matrix minor galena ~ 1%. Also Similar garnets at 479'.

Kerr Addison Mines Ltd. Lyn Property Sept 5/71

Arctic Drilling Co. L 71-1 90° 138W-56N

From	To	Footage	Description
			With minor galena ≈ 3% at Shear. 30° to core
			at 497'.
			Down section ≈ 494.7' Schistose texture tends to
			massive to 499.2 where it returns to fairly lamellar
			Schistose.
			Section non magnetic.
520'			Note No acid or test tubes on hand.
			∴ no test at 520'

Bruce McKeown.