COMPANY: Goldstream Mining N.L.
PROJECT: Lynchford
HOLE NUMBER: LYN 004

Commenced:	24 Jan 94
Completed:	28 Jan 94
Logged By:	L.A.Newnham
Drilled By:	F.L. Ortner

Purpose of Hole
:To further test strong Au-As anomaly associated with a sequence of steeply dipping intensely weathered/altered Ordovician sandstones, siltstones and limestones

Comments on Completion
.a limonitic sandstone-siltstone -minor limestone sequence from collar to 70m was Au-As anomalous, particularly the unit from 0-50m; this interval contained two zones of significant gold mineralisation:

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5333450	375984	2130	-55	263

Length (m)
187.2

collar coordinates are approx only; elevation is m.ASL + 2000

Hole Size	
To (m)	Size
187.2	HQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	13.0	<50
recoveries	patchy to	130m: see
log for details		

Hole Condition on Completion
;all rods and casing removed from hole; large area washed out around collar; 3m. PVC inserted in collar

Summary of Results

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Ag	Cu	Pb	Zn	As	S
14.0	22.0	85-90	leached limonitic sandstone and siltstone	8.0	1.24					2196	
25.0	30.5	95	leached siltstone and sandstone	5.5	0.75					2344	

DOWN HOLE SURVEY DATA

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Depth	Dip	Bearing	Interval		Length	Vertical Distance		Horizontal Distance		Co-ordinates			
(m)		(AMG)	From	To	(D)	D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-55	263					2130.00		0.00		3,450.0		5,984.0
0	-55	263	0	35	35	28.67	2101.33	20.08	20.08	-2.45	3,447.6	-19.93	5,964.1
70	-57	265	35	98.5	63.5	53.26	2048.07	34.58	54.66	-3.01	3,444.5	-34.45	5,929.6
127	-58.7	263	98.5	157.1	58.6	50.07	1998.00	30.44	85.10	-3.71	3,440.8	-30.22	5,899.4
187.2	-56	263	157.1	187.2	30.1	24.95	1973.05	16.83	101.94	-2.05	3,438.8	-16.71	5,882.7
187.2													

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	As				
0.0	20.9	**WEATHERED and LEACHED LIMONITIC SANDSTONE and SILTSTONE:** Intensely broken, weathered and leached limonitic light gray siltstone and sandstone; poor core recoveries to 13m. then improves gradually: **0-13m:** strongly limonitic orange-brown sands and light gray siltstones, fossiliferous to 6.2m., and quartz rubble; occasional aggregates of pyrite and narrow zones of iron gray coloration which may be hematite or fine arsenopyrite; **13-16.6m:** gray-buff brown clayey siltstone, limonitic with pyrite and arsenopyrite? in narrow zones sub parallel to core axis; bedding/cleavage 0-10 CA; 16.4-16.5m: iron gray py-asp vein 30 CA; **16.6-20.9m:** totally disaggregated limonitic sandstone; bright orange -brown color with occasional thin <1cm. iron gray py-asp veins;	0	4.2	12				0	4.2	0.404	1280				
			4.2	5.9	24				4.2	6	0.032	220				
			5.9	7.2	77				6	7	0.015	110				
			7.2	9	55				7	9	0.017	500				
			9	10.2	17				8	9	0.044	390				
			10.2	12	0											
			12	12.6	33											
			12.6	13	0											
			13	13.8	80				13	14	0.129	450				
			13.8	15	100				14	15	0.426	3000				
			15	16.2	80				15	16	0.746	2070				
			16.2	20.9	100				16	17.5	1.84	2180				
									17.5	18.5	3.91	2700				
									18.5	20	0.659	1950				
									20	21	0.859	1390				
									21	22	0.202	2210				
									22	23	0.019	200				
									23	24	0.066	520				
20.9	39.0	**LEACHED SILTSTONE-SANDSTONE:** soft gray-brown siltstone-sandstone, less limonitic than above but still intensely leached and strongly limonitic; bedding/cleavage sub parallel to CA but this may be due to massive hill slumping; 27.4m: dark gray soft shale bed with 1-2% euhedral pyrite; below 30m. bedding/cleavage starting to steepen:30 CA at 31m., and sediments becoming fresher;							24	25	0.086	520				
			20.9	22.2	90				25	26	0.541	1290				
			22.2	23.6	80				26	27	0.951	1660				
			23.6	25.2	75				27	28	1.077	4500				
			25.2	26.7	100				28	29.5	0.722	2520				
			26.7	28.2	90				29.5	30.5	0.456	1660				
			28.2	31.2	100				30.5	31.5	0.024	200				
			31.2	32.9	60				31.5	32.5	0.039	330				
			32.9	37.2	100				32.5	33.5	0.01	190				
			37.2	40.2	50				33.5	34.5	<0.005	140				
									34.5	35.6	0.005	220				
39.0	50.5	**SAND, SILTSTONE and SANDSTONE:** severely weathered/leached interval orange sands, broken gray siltstones and sandstones, and broken shaley units; poor core recoveries; qtz.rubble in sand intervals suggests original sandstone qtz. veined; some of more competent sandstone units have gossanous appearance; 48.1m: greenish stain in gossanous rock							35.6	36.6	0.033	500				
			40.2	43.2	66				36.6	37.6	<0.005	300				
			43.2	44.4	80				37.6	38.6	0.015	100				
			44.4	46.2	66				38.6	40.2	0.102	400				
			46.2	47.4	50				40.2	41.7	0.399	2080				
			47.4	48.1	90				41.7	42.7	0.122	350				
			48.1	48.6	30				42.7	43.7	0.124	840				
			48.6	49.2	66				43.7	44.7	0.049	140				
			49.2	50.5	0				44.7	46.2	0.111	390				
									46.2	48.1	0.019	340				

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From	To		From	To	%	From	To	%	From	To	Au	As	Cu	Pb	Zn	
39.0	50.5	...cont.... 48.8m.: 15cm. orange brown gossanous material;							48.1	49.1	0.07	670				
50.5	51.1	**SAND and SHALE:** 0.5m. sand with some shale fragments overlying 10 cm. dark gray shale with abundant euhedral pyrite;	50.5 51.1 52.2 55.2 56.8 59	51.1 52.2 55.2 56.8 59 61.2	100 0 100 85 90 95											
51.1	52.2	**NO CORE:**														
52.2	52.4	**BLACK PUG:** after limestone;														
52.4	60.2	**CLAY:** orange brown and pink clay, sandy in parts; probably developed after limestone;							54	55	0.046	310				
60.2	70.2	**SAND, SANDSTONE andSILTSTONE:** orange sands, light gray intensely weathered sandstones and buff brown intensely weathered/leached siltstones and clayey decomposed shales; occasional quartz veining in sandstone; some gossanous /limonitic material towards base of unit;	61.2 63.2 64.2 65.9 67.2	63.2 64.2 65.9 67.2 70.2	75 65 100 85 100				60.4 63 69	61.4 64 70	<0.005 0.01 0.009	270 680 340				
70.2	76.0	**GOSSANOUS BRECCIA ZONE (?FAULT):** brecciated light gray -white sandstone with large sandstone fragments to 20 cm set in orange - brown and brown-black groundmass of iron oxides (hematite, limonite, goethite); some fragmented quartz veining; core reasonably competent but fragile; near 100% recovery; only sulfide present is rare spec pyrite; no definite indication of attitude of zone; immediate HW rocks have bedding/schistosity 45 CA;	70.2 73.2	73.2 76.2	95 100				70 71 72 73 74 75 76	71 72 73 74 75 76 77	0.028 0.02 0.075 0.034 0.108 0.279 0.179	900 420 1170 1520 970 990 220	62 34 <3 58 57 90	6 <3 <3 38 <3 <3	194 85 177 418 342 380	
76.0	80.0	**SHALES and SANDSTONE:** totally disaggregated orange-light brown and gray sandstones and minor gray shaley beds;	76.2	80.4	95											

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	As				
		76-80m...cont..... several thin fragmented quartz veins;														
80.0	92.9	**SILTSTONE, SHALE and LIMESTONE:** intensely weathered/leached gray sandstone, off-white and orange sands (disaggregated limestone?) and occasional thin dark gray shale beds; BCA much higher (70) on this western side of gossanous fault-breccia zone, than on eastern side described above; 89-89.4m: 1-2% dissem. pyrite in dark gray sandstone;	80.4 82.2 84.5 88.2 90.1 91.2 91.4	82.2 84.5 88.2 90.1 91.2 91.4 93.1	85 100 92 95 91 0 68				86 88	87 89	0.007 0.007	60 <50				
92.9	104.0	**SANDSTONE, SILTSTONE and SHALE:** gray medium grained sandstone interbedded with dark gray siltstone - shale beds; core frequently has slumped and sheared appearance; BCA 20-30; difficult to know if this is bedding or cleavage; core very broken (rubble) to 97.0m; thereafter core relatively fresh but with very broken and rubbly zones (eg) 102-104m; <0.5% fine grained pyrite;	93.1 95.3 97.2 100.2 103.2	95.3 97.2 100.2 103.2 106.2	45 64 100 92 67											
104.0	108.0	**QUARTZ VEINED SANDSTONE and SHALE:** similar to unit above but medium-coarse grained sandstone contains common quartz veins; core very broken (rubbly) <0.5% fine grained disseminated pyrite;	106.2 107.4 110.5	107.4 110.5 112.2	95 100 60				106.7 107.7	107.7 108.7	<0.005 <0.005	80 70				
108.0	119.0	**SILTSTONE and MINOR SHALE:** light gray siltstone interbedded with dark gray shale; 2cm. qtz. vein at 111.8m; trace fine pyrite; core very broken and disaggregated to clay and sands in part; bedding indistinct, possibly 55-60 CA: grades into.....	112.2 113.7 115.2 117	113.7 115.2 117 119.4	90 100 67 100				111.6	112.2	0.009	120				
119.0	171.5	**SHALES, LIMESTONES and MINOR SILTSTONES:**	119.4 120.8	120.8 124.2	35 100											

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From	To		From	To	%	From	To	%	From	To						
119.0	171.5	....cont.....														
		dark gray shales and minor siltstone														
		interbedded with lighter gray limestone:														
		BCA 30;	124.2	126.8	88											
		white calcite veins 1-5mm. common below	126.8	128.4	75											
		123m. at 60-70 CA. and occasional wider qtz-	128.4	130.2	100											
		carbonate and carbonate veins (cg)	130.2	131.7	90											
		120.6: 2 cm vein	131.7	171.5	100											
		129.2: 3cm vein														
		132.6: 5cm vein														
		pervasive fine grained pyrite <0.5%;														
		core broken to 123m. then gradually becoming														
		more competent with depth:														
		numerous fractures parallel bedding,														
		especially in shaley beds; pug zone 126.8-														
		127.4m.														
		core still broken to 160m mostly associated														
		with shaley cleavage/bedding;														
		siltstones strongly calcareous below 150m;														
		and numerous thin white calcite veins														
		continue throughout;														
171.5	187.2	**CRINOIDAL LIMESTONE and SILTSTONE:**	171.5	187.2	100											
		light gray crinoidal limestone and dark gray														
		siltstone, typically calcareous;														
		siltstone beds cut by two generations 2-10mm.														
		white calcite veins;														
		BCA 50-55;														
		1% very fine disseminated pyrite with														
		occasional blebs pyrite in both limestones and														
		siltstones;														
		core very competent;														
		END of HOLE														