

Avalon Rare Metals Inc  
Drill Hole Results to Accompany News Release 11-01  
27 January 2011

Drill Hole Number	Zone	FROM metres	TO metres	WIDTH metres	TREO %	HREO %	HREO/TREO %	Y2O3 ppm	La2O3 ppm	Ce2O3 ppm	Pr2O3 ppm	Nd2O3 ppm	Sm2O3 ppm	Eu2O3 ppm	Gd2O3 ppm	Tb2O3 ppm	Dy2O3 ppm	Ho2O3 ppm	Er2O3 ppm	Tm2O3 ppm	Yb2O3 ppm	Ta2O5 ppm	Nb2O5 ppm	ZrO2 ppm	Ga2O3 ppm	HfO2 ppm	
L10-254	Basal Zone	230.00	245.10	15.10	1.59	0.33	20.75	1,643	2,532	5,839	703.62	2,822	662.51	84.87	590.35	96.70	446.0	72.09	178.16	20.46	126.14	427.8	3,867	28,316	131.37	631.92	
L10-254	Basal Zone conti	248.50	268.00	19.50	2.44	0.69	28.28	3,891	3,562	8,055	1,018.86	3,949	937.66	130.94	861.51	154.32	861.1	162.02	440.58	58.83	342.83	687.4	5,923	48,288	132.72	980.84	
L10-255	Geotechnical hole, no significant values																										
L10-256	Geotechnical hole, no significant values																										
L10-257	Basal Zone	218.60	263.70	45.10	1.51	0.36	23.84	1,849	2,332	5,227	681.38	2,668	610.16	82.03	606.66	94.88	462.2	80.10	209.73	28.33	183.64	401.5	3,892	32,094	-	646.00	
L10-258	Basal Zone	212.10	234.50	22.40	1.47	0.29	19.73	1,390	2,478	5,421	701.24	2,639	604.49	81.25	575.17	84.57	370.0	64.12	163.01	19.78	113.18	383.2	3,652	27,914	-	563.24	
L10-259	Basal Zone	224.00	260.50	36.50	1.41	0.31	21.99	1,533	2,252	4,981	651.60	2,527	580.61	75.97	564.30	90.35	420.6	67.41	165.63	20.50	125.32	422.6	3,776	29,243	-	582.93	
L10-260	Upper Zone	5.00	38.75	33.75	1.65	0.11	0.07	423	3,378	7,387	883.50	3,211	553.31	57.39	401.97	36.43	111.4	14.89	39.61	3.48	23.24	151.1	3,239	22,686	102.33	352.22	
L10-260	Upper Zone	50.00	54.00	4.00	1.53	0.14	0.09	515	2,915	6,604	782.14	3,043	622.34	70.64	466.97	47.08	142.6	20.43	55.95	6.08	37.53	271.7	4,572	20,177	217.05	405.58	
L10-260	Basal Zone	108.45	168.10	59.65	1.35	0.31	22.96	1,628	2,181	4,770	618.83	2,312	493.36	65.70	480.94	76.26	395.5	72.75	201.65	26.73	159.81	364.5	3,890	27,910	-	581.26	
L10-261	Basal Zone	216.00	254.60	38.60	1.19	0.29	24.37	1,513	1,830	4,062	531.20	2,068	467.32	64.91	471.62	76.69	379.9	65.02	162.63	19.95	117.39	331.4	2,966	25,360	-	531.63	
L10-262	Upper Zone	43.00	48.10	5.10	2.45	0.19	0.08	816	4,622	10,600	1,319.22	5,098	939.21	98.59	543.23	64.71	248.1	31.08	60.37	6.94	50.83	358.4	5,384	34,778	179.75	707.18	
L10-262	Basal Zone	105.85	161.00	55.15	1.55	0.32	20.65	1,647	2,480	5,739	729.77	2,785	602.60	75.94	524.90	81.70	399.0	72.37	178.03	23.01	130.85	373.7	4,098	25,609	165.15	564.11	
L10-263	Basal Zone	215.90	254.15	38.25	1.34	0.38	28.36	2,035	1,958	4,382	554.27	2,189	509.61	69.77	524.79	89.30	479.8	89.39	249.40	33.20	197.86	368.4	3,349	27,556	-	558.06	
L10-264	Upper Zone	5.10	54.00	48.90	1.26	0.14	11.11	648	2,190	5,268	692.81	2,574	494.46	52.79	342.64	40.99	151.7	23.61	53.09	6.67	41.71	151.2	2,795	18,694	219.36	326.02	
L10-264	Basal Zone	125.00	148.65	23.65	1.69	0.38	22.49	1,992	2,593	6,105	808.22	2,975	649.14	82.24	613.99	100.32	475.2	93.26	231.15	31.53	162.41	447.8	3,926	28,653	161.01	631.71	
L10-265	Basal Zone	219.00	239.75	20.75	1.31	0.35	26.72	1,826	1,957	4,370	562.16	2,223	519.55	69.84	523.44	88.02	452.1	79.97	213.89	27.72	160.84	393.3	3,281	29,134	-	599.61	
L10-266	Basal Zone	103.05	124.50	21.45	1.35	0.22	16.30	1,108	2,294	5,117	696.35	2,634	545.47	65.62	456.90	63.12	256.2	40.85	100.18	12.91	81.39	287.0	2,818	24,209	168.74	521.05	
L10-266	Upper Zone	5.50	76.80	71.30	1.42	0.15	10.56	698	2,502	5,921	803.39	2,935	562.70	61.51	420.30	48.41	166.9	25.60	58.90	6.89	40.36	173.0	2,856	17,920	192.83	311.99	
L10-267	Basal Zone	216.10	265.00	48.90	0.98	0.27	27.55	1,437	1,479	3,202	425.77	1,585	365.96	50.34	369.13	62.15	84.1	66.30	174.90	22.22	114.63	289.2	2,646	18,224	49.97	409.44	
L10-268	Upper Zone	10.40	81.00	70.60	1.17	0.07	5.98	351	2,606	5,240	638.93	2,194	314.38	31.52	174.90	21.16	39.7	14.82	35.08	3.77	21.65	103.7	1,620	10,829	180.64	199.13	
L10-268	Basal Zone	81.00	109.00	28.00	1.29	0.27	20.93	1,488	2,076	4,743	616.09	2,304	495.65	63.38	444.07	69.56	315.4	54.60	140.35	18.04	106.88	309.9	3,247	23,544	168.38	472.69	
L10-269	Basal Zone	226.00	256.00	30.00	1.47	0.39	26.53	2,118	2,246	5,019	607.61	2,415	562.12	74.21	526.19	92.99	507.1	96.76	262.60	32.66	193.79	385.2	3,635	30,872	-	661.45	
L10-270	Upper Zone	8.55	94.80	86.25	1.01	0.13	12.87	643	1,748	4,069	534.93	2,036	404.24	43.91	299.89	37.07	137.0	20.57	50.72	5.49	33.58	116.0	1,935	12,449	201.25	212.50	
L10-270	Basal Zone	94.80	124.80	30.00	1.08	0.17	15.74	890	1,941	4,179	527.20	2,047	427.99	49.07	348.71	48.25	206.6	33.48	82.74	9.61	54.59	170.1	2,309	13,649	172.98	266.71	
L10-271	Basal Zone	225.00	263.40	38.40	1.14	0.32	28.07	1,751	1,694	3,724	480.60	1,887	432.22	56.67	426.95	76.24	420.9	79.62	213.05	30.38	161.82	330.2	2,693	21,535	49.32	445.56	
L10-272	Upper Zone	33.00	82.20	49.20	1.56	0.15	9.62	681	2,918	6,538	806.57	3,185	630.06	66.23	402.60	46.15	175.4	24.34	51.56	5.62	34.84	181.7	2,846	21,475	191.98	369.25	
L10-272	Basal Zone	117.80	160.60	42.80	1.69	0.41	24.26	2,239	2,654	5,856	739.48	2,927	643.97	84.29	542.69	96.74	514.2	97.00	254.41	34.04	193.37	366.7	3,763	31,590	158.19	587.48	
L10-273	Upper Zone	129.30	153.00	23.70	1.15	0.14	0.13	696	2,086	4,662	597.07	2,291	464.73	53.40	278.48	35.30	161.9	23.73	52.69	7.76	60.49	137.0	1,991	18,685	161.48	290.17	
L10-273	Basal Zone	211.00	247.00	36.00	2.01	0.47	23.38	2,512	3,132	7,023	895.82	3,531	816.01	106.34	719.36	118.15	607.7	107.68	284.70	37.39	219.74	449.3	4,072	33,292	11.71	679.16	
L10-274	Upper Zone	30.00	109.00	79.00	1.31	0.14	10.69	657	2,361	5,524	674.44	2,659	510.95	59.82	357.32	43.20	171.3	24.56	52.34	6.09	37.25	172.2	2,564	21,010	163.49	366.01	
L10-274	Basal Zone	109.00	140.00	31.00	2.37	0.52	21.94	2,740	3,795	8,591	1,040.64	4,170	932.11	121.80	769.35	126.18	685.8	122.44	316.82	43.10	250.90	530.4	5,798	49,093	145.85	896.55	
L10-275	No significant values																										
L10-276	Basal Zone	101.00	147.00	46.00	1.90	0.40	21.05	2,079	3,080	6,917	884.83	3,328	744.38	102.39	655.42	98.48	512.0	85.96	227.88	29.22	167.92	427.2	4,391	30,180	145.34	636.44	
L10-277	Basal Zone	149.00	216.00	67.00	1.15	0.22	19.13	1,129	1,964	4,172	545.42	2,149	464.67	54.43	397.08	57.12	265.7	44.21	115.04	14.33	86.41	280.5	2,978	23,161	153.92	428.94	
L10-278	No significant values																										
L10-279	Basal Zone	80.00	142.40	62.40	1.63	0.31	19.02	1,665	2,771	5,976	782.03	3,035	642.89	76.95	565.83	81.51	354.0	62.46	153.72	19.87	113.52	321.2	3,562	31,137	154.82	534.56	
L10-280	Upper Zone	70.00	92.00	22.00	1.36	0.20	14.71	1,044	2,332	5,377	685.40	2,618	541.45	68.10	409.31	54.81	247.4	38.98	89.19	11.35	61.96	226.1	2,567	20,084	177.24	394.04	
L10-280	Basal Zone	92.00	123.40	31.40	1.85	0.33	17.84	1,682	3,059	7,003	885.64	3,472	791.79	105.80	594.81	85.39	417.4	67.99	163.66	24.19	143.69	432.3	3,868	35,294	182.53	715.02	
L10-281	Upper Zone	44.00	56.00	12.00	1.31	0.12	0.09	474	2,342	5,476	706.68	2,884	552.16	54.75	352.24	39.42	140.3	18.53	38.54	3.91	24.10	124.8	2,080	19,033	167.21	314.69	
L10-281	Basal Zone	130.00	191.50	61.50	1.76	0.40	22.73	2,131	2,741	6,231	760.43	3,141	733.00	85.29	568.44	89.93	555.6	86.51	233.18	31.21	188.05	356.5	3,903	33,382	166.81	659.35	
L10-282	Upper Zone	5.50	36.40	30.90	1.71	0.19	11.11	963	3,095	7,236	884.71	3,396	630.77	69.87	393.40	48.04	201.2	30.17	71.19	9.60	71.81	234.0	3,955	33,417	184.38	539.96	
L10-282	Basal Zone	110.00	129.00	19.00	1.59	0.40	25.16	2,229	2,491	5,536	675.47	2,651	593.63	80.20	524.27	92.42	486.3	86.01	234.53	35.65	238.62	410.2	3,853	31,463	166.22	622.12	
L10-283	Upper Zone	6.00	129.00	123.00	1.22	0.12	9.84	545	2,258	5,151	635.92	2,469	503.88	53.79	343.16	37.64	146.2	19.35	44.40	5.15	33.47	149.0	2,448	17,014	169.76	295.56	
L10-283	Basal Zone	129.00	163.30	34.30	1.89	0.37	19.58	1,938	3,113	6,967	877.31	3,485	802.30	92.19	577.69	90.69	500.3	81.88	204.63	26.53	156.98	414.3	4,211	34,002	156.06	697.55	
L10-284	Upper Zone	14.90	86.00	71.10	0.83	0.10	12.05	488	1,492	3,430	420.52	1,615	311.30	33.82	197.15	25.51	110.1	16.59	37.87	4.76	33.56	118.7	2,134	14,989	125.69	246.66	
L10-284	Basal Zone	86.00	120.00	34.00	1.41	0.25	17.73	1,338	2,395	5,383	674.00	2,625	568.98	68.74	443.63	66.12	311.8										

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L10-296	Basal Zone	62.30	113.00	50.70	1.60	0.29	18.12	1,693	2,656	6,139	687.65	2,975	618.36	70.37	425.14	65.34	340.5	56.19	132.41	17.28	109.95	259.9	3,602	27,531	175.81	454.01
L10-297	Upper Zone	51.00	77.60	26.60	1.63	0.12	0.08	451	3,049	7,017	930.54	3,447	675.45	64.35	381.97	35.46	140.6	15.86	36.10	4.61	33.07	177.5	3,363	24,025	217.89	418.80
L10-297	Upper Zone	110.00	131.00	21.00	1.78	0.11	0.08	455	3,534	7,788	958.87	3,698	650.08	61.98	346.84	37.36	146.7	18.47	38.39	4.60	32.01	154.4	2,749	16,318	175.47	308.71
L10-297	Basal Zone	146.80	194.50	47.70	1.38	0.22	15.94	1,119	2,389	5,361	660.45	2,580	579.44	67.66	424.60	60.94	268.1	44.62	109.39	13.95	86.57	404.3	3,770	30,500	145.64	619.77
L10-298	Upper Zone	53.45	66.70	13.25	0.96	0.14	14.58	757	1,671	3,915	436.59	1,789	384.83	42.46	279.79	36.48	168.4	26.16	61.96	6.77	41.92	155.3	1,913	16,588	190.40	291.66
L10-298	Basal Zone	66.70	129.30	62.60	1.72	0.27	15.70	1,510	3,039	6,873	765.95	3,128	683.97	74.86	414.25	59.57	298.2	50.39	123.57	15.76	107.86	372.5	4,060	39,017	189.17	637.84
L10-299	Upper Zone	43.00	65.00	22.00	1.54	0.09	0.06	371	2,928	6,883	847.82	3,220	612.53	58.70	326.04	29.44	89.7	12.41	30.36	4.15	32.82	205.0	4,072	23,262	216.44	425.30
L10-299	Upper Zone	112.40	131.00	18.60	1.35	0.13	0.09	552	2,632	5,747	691.88	2,640	524.67	57.69	339.90	39.66	147.6	21.43	50.23	6.56	43.41	327.8	3,675	29,482	180.15	575.77
L10-299	Basal Zone	112.40	143.00	30.60	1.04	0.11	10.58	499	2,017	4,383	521.95	1,961	382.12	42.11	261.42	31.72	127.6	20.58	54.79	7.54	50.30	361.5	3,908	30,980	167.96	606.81
L10-300	Upper Zone	2.70	127.00	124.30	1.07	0.11	10.28	462	2,014	4,445	547.51	2,162	438.71	48.31	295.68	35.10	133.3	18.59	40.25	4.43	28.21	136.8	2,082	16,606	157.31	293.75
L10-300	Basal Zone	127.00	154.45	27.45	1.20	0.28	23.33	1,455	1,934	4,163	518.15	2,059	479.54	62.10	435.76	72.98	361.6	60.17	148.73	21.69	159.01	297.0	2,987	23,610	135.91	475.02
L10-301	Basal Zone	92.00	156.00	64.00	1.29	0.13	10.08	617	2,576	5,504	674.75	2,405	446.58	52.72	292.91	35.84	156.3	24.83	58.77	8.06	50.99	351.8	3,614	28,280	178.54	582.11
L10-302		No significant values																								
L10-303	Upper Zone	5.80	80.00	74.20	0.94	0.07	7.45	331	1,739	4,117	526.73	1,977	371.11	40.94	200.06	20.95	84.1	11.99	26.43	3.58	23.25	133.8	2,289	18,303	203.10	307.41
L10-303	Basal Zone	80.00	146.50	66.50	1.35	0.13	9.63	541	2,599	5,758	668.44	2,657	511.93	53.61	334.33	38.70	164.5	22.65	55.74	6.91	46.63	277.6	3,391	27,974	169.55	503.06
L10-304	Upper Zone	88.00	143.00	55.00	1.54	0.12	0.08	489	3,125	6,480	746.70	3,248	597.63	65.63	383.51	38.53	135.9	17.70	38.97	4.78	31.49	190.8	2,447	17,457	178.20	323.82
L10-304	Basal Zone	209.00	277.90	68.90	1.32	0.35	26.52	1,992	1,958	4,500	510.98	2,216	492.03	60.61	397.74	72.53	418.4	79.84	211.93	29.38	171.99	356.9	3,152	25,291	143.88	481.53
L10-305	Upper Zone	61.00	120.40	59.40	1.50	0.12	0.09	508	2,756	6,340	783.60	3,233	625.97	62.75	359.88	39.13	146.7	19.24	39.06	4.27	28.06	148.0	2,520	21,539	187.90	362.75
L10-305	Basal Zone	151.10	183.50	32.40	1.85	0.27	14.59	1,273	3,355	7,123	895.91	3,666	779.32	87.92	572.10	79.83	354.4	54.87	128.19	13.40	76.49	369.1	3,980	24,946	156.81	507.26
L10-306	Basal Zone	168.00	219.50	51.50	1.27	0.31	24.41	1,716	2,060	4,378	540.23	2,121	493.01	67.33	468.24	75.11	395.2	71.07	179.93	23.35	133.60	331.1	3,334	25,794	134.44	493.31
L10-307	Basal Zone	269.60	275.00	5.40	0.84	0.18	21.43	944	1,389	3,018	378.87	1,476	327.63	37.83	279.12	47.53	240.9	41.14	100.79	13.29	82.67	296.6	2,628	24,417	121.93	518.51
L10-307	including	232.00	257.35	25.35	1.06	0.29	27.36	1,634	1,588	3,518	441.14	1,760	407.04	49.24	364.48	66.39	370.9	67.71	174.22	23.42	137.64	269.0	2,610	23,429	130.05	450.27
L10-308	Basal Zone	173.00	220.95	47.95	1.57	0.38	24.20	2,212	2,452	5,423	645.64	2,750	591.50	78.71	489.54	88.93	451.4	89.15	220.75	26.73	138.94	303.3	2,967	18,364	157.81	348.19
L10-309		No significant values																								
L10-310	Basal Zone	197.00	220.95	23.95	2.53	0.67	26.48	3,964	8,473	998	4,353.63	946	129.13	773.24	149.89	781.91	159.7	398.01	49.43	259.08	#####	496.5	4,364	33,838	158.76	633.37
L10-311	Basal Zone	138.00	162.75	24.75	1.40	0.35	24.98	1,998	4,895	586	2,282.06	529	67.79	471.33	80.33	430.83	79.1	190.20	25.48	155.90	#####	369.0	3,580	31,377	137.16	579.38