



ASX ANNOUNCEMENT

16 August 2021

Assays from Carriere de l'Este drilling confirms deposit a likely rival to Roche Dure

Highlights

- Wide spaced resource drilling at Carriere de l'Este confirms further high-grade lithium and tin mineralisation directly beneath thin soil and laterite cover
- All four holes were collared in slightly weathered pegmatite from the top of the hole and returned significant intersections of plus 2% Li₂O
- New high grade tantalum pegmatite noted on section 22,300N
- The Carriere de l'Este pegmatite deposit is now confirmed at 1.2 kilometres long and remains open at both ends and down dip
- Major high grade intersections included:
 - 12.05m* @ 2.41% Li₂O & 735ppm Sn
 - 21.09m* @ 2.1% Li₂O & 943ppm Sn
 - 16.0m* @ 2.49% Li₂O & 571ppm Sn
- Results from these holes will be used to assist in targeting areas where higher grade material of greater than 2% Li₂O may be found at shallow depths as a possible higher grade SC6 feed material to the plant.

** Down-hole length. Additional drilling is required to confirm the true-thickness of the pegmatites*

AVZ Minerals Limited (ASX: AVZ, "the Company" or "AVZ") has received further strong results from its Mineral Resource drilling of the Manono Lithium and Tin Project ("Manono Project") in the Democratic Republic of Congo.

The assay results come from four new, widely spaced "step-out" holes at Carriere de l'Este, located on section lines 200m and 400m NNE along strike from the initial 2017 drill holes. These new holes are identifying additional high-grade spodumene rich zones for future infill resource estimation drill programmes.

AVZ's Managing Director, Mr Nigel Ferguson, said: "The assay results from these four new holes show highly encouraging mineralisation 400 metres closer to the historical Carriere de l'Este open pit; as well as a more complex geology with intrusions of aplitic pegmatite and dolerite possibly along late-stage faults."

"The holes were deliberately widely spaced to try and help track the location of the high-grade zones mapped further to the southwest along this massive deposit and to that extent, the drilling has been successful."

"This information will be used to plan focussed infill drilling for the high-grade zones, with a closer pattern required in order to generate near surface Indicated

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Market Cap

\$788M

ASX Code: AVZ

or Measured Resources for possible conversion to reserves, prior to the commissioning of the new processing plant.”

“The possible delineation of high-grade future reserves has the potential to initially feed higher grade ore to the plant, providing increased SC6 production volumes from the start of operations.”

“This new information has allowed the location of the hanging wall contact to be expanded (Figure 1) in areas of poor outcrop, which will help with the efficient targeting of future resource drilling of the overall Carriere de l’Este deposit.”

“The drill data has also confirmed the presence of sub-cropping spodumene mineralisation to 1.2 kilometres long at average pegmatite widths of up to 200 metres in places, confirming this deposit as a likely rival to Roche Dure¹.”

“Additionally, drill planning is well advanced on both eluvial laterite hosted tin deposits and the historical F2 and F4 alluvial tin deposits identified from the review of historical tin exploration carried out in the 1980s* with drilling expected to commence soon.”

*“Initial Exploration Target for Alluvial Placer Hosted Tin Defined at the Manono Lithium and Tin Project” – ASX Announcement – 18 May 2021

“Despite future tin production accounting for only a small percentage of the project’s overall revenue, a strengthening tin and tantalum price continues to justify some exploration expenditure to gain information on the potential scale of these deposits which may sustain a separate placer tin mining business on the concession.”

Results from the four holes are detailed in the table below:

Hole I.D.	Section (mN)	From (m)	To (m)	Intercept (m)	Li2O (%)	Sn (ppm)	Comments
CDL21DD001	22100	35.95	106.58	70.6	1.54	928	Includes 2.2m core loss
includes		35.95	48.0	12.05	2.41	735	
includes		95.05	106.58	11.53	2.03	955	
and		190.0	204.0	14.0	1.98	805	
and		217.39	247.0	29.61	1.51	905	
and		258.0	285.0	27.0	1.68	463	Includes 6.0m aplite waste
includes		258.0	264.0	6.0	3.23	442	
and		270.0	285.0	15.0	1.54	546	
and		316.0	325.0	9.0	1.67	414	
CDL21DD002	22100	1.6	30.56	28.96	1.27	801	Includes 5.2m aplite waste
Includes		22.0	27.0	5.0	2.08	387	
and		38.12	53.24	15.3	1.47	1,010	Includes 2.01m dolerite waste
Includes		40.0	46.0	6.0	2.12	1,360	
and		62.78	103.62	40.84	1.43	1,117	Includes 5.89m dolerite waste

Includes		85.94	91.5	5.56	2.26	1,193	
and		118.29	188.26	69.97	1.47	857	Includes 2.06m dolerite waste
Includes		126.91	148.0	21.09	2.1	943	
and		197.59	217.45	19.86	1.73	1,055	
Includes		197.59	210.08	12.49	2.3	976	
and		236.42	275.75	39.3	1.5	578	Includes 2.69m aplite waste
Includes		240	255	15.0	2.03	687	Includes 2.69m aplite waste
and		305.0	318.05	13.05	0.58	716	
CDL21DD003	22300	56.93	84.4	27.5	1.68	561	
Includes		66.0	80.0	14.0	2.02	624	
and		93.27	111.07	17.8	0.74	2,021	Includes 2.6m dolerite waste
and		234.0	256.0	22.0	1.56	917	
includes		248.0	256.0	8.0	2.07	895	
and		266.7	290	23.3	1.89	692	Includes 2.1m aplite waste
Includes		272.0	281.0	9.0	2.24	1,084	
CDL21DD004	22300	15.56	35.71	20.15	1.51	1,047	
Includes		21.0	27.0	6.0	2.27	1,271	
and		39.74	52.59	12.85	1.47	2,207	
and		75.97	109.54	33.57	1.32	529	Includes 4.3m dolerite waste
includes		96.0	107.0	11.0	2.04	745	
and		177.0	193.0	16.0	2.49	571	
and		207.0	240.94	33.94	1.58	693	

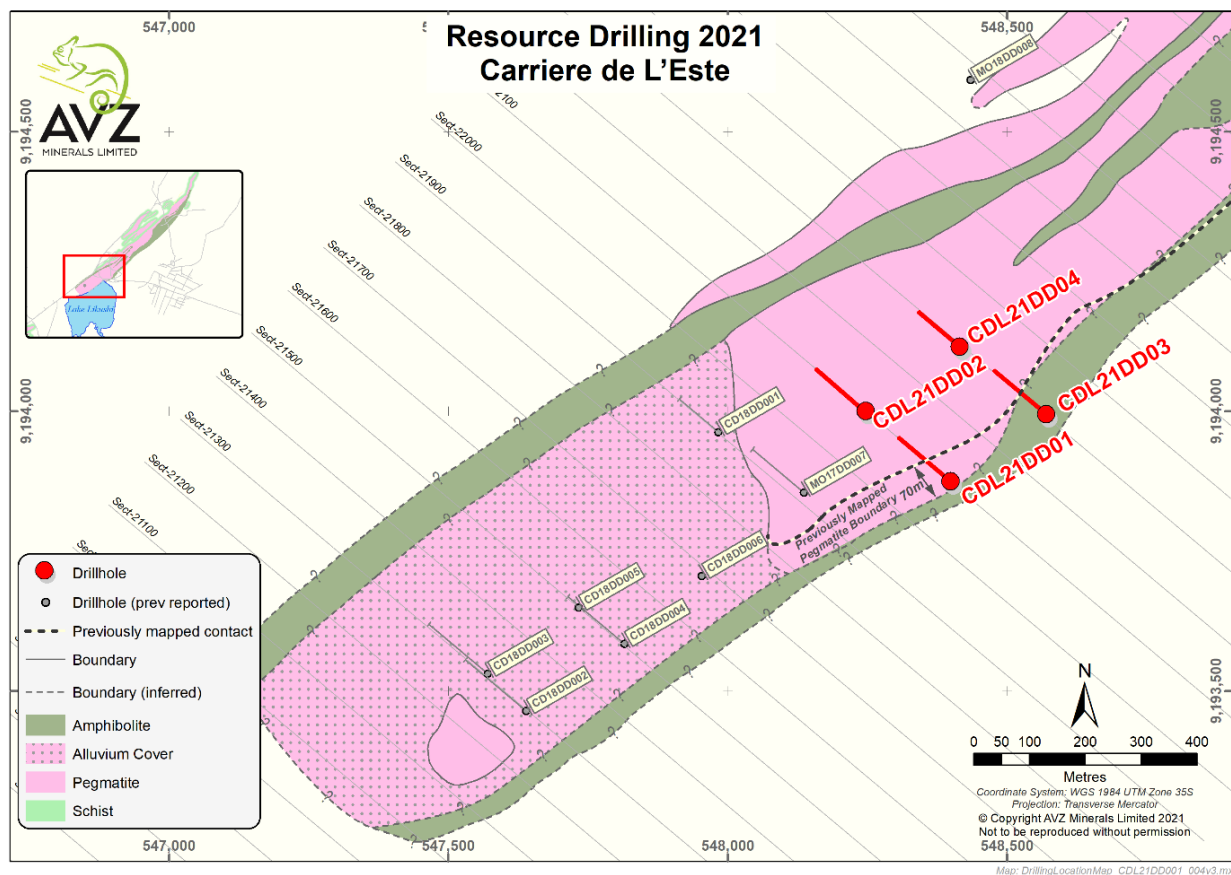


Figure 1: Locations of drillholes CDL21DD001, CDL21DD002, CDL21DD003 and CDL21DD004

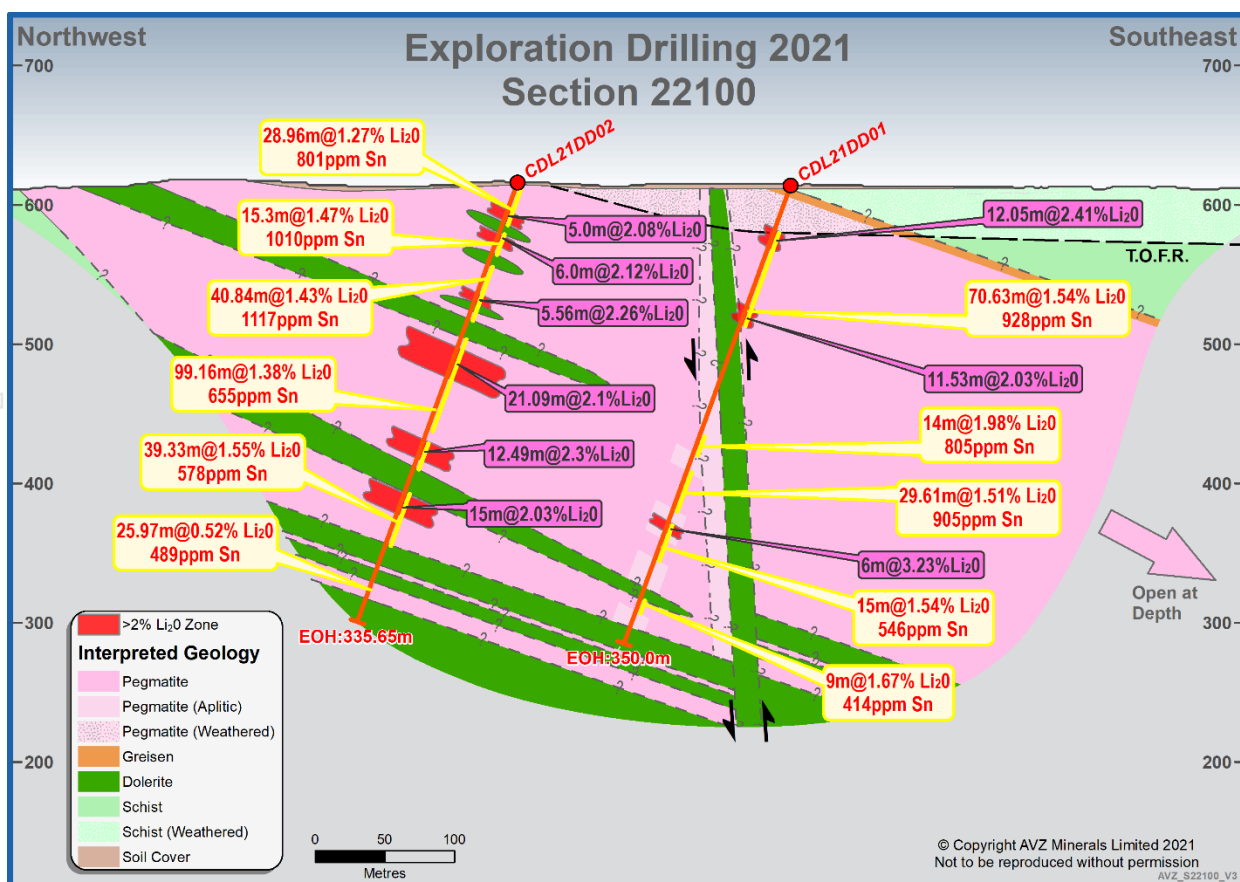


Figure 2: Intersections achieved by CDL21DD001 and CDL21DD002 on section 22100mN



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The information in this report that relates to geology and the exploration results is based on information compiled by Mr. Nigel Ferguson (BSc) FAusIMM MAIG, a Competent Person who is a Fellow of the Australian Institute of Mining and Metallurgy and a Member of the Australia Institute of Geoscientists. Mr. Ferguson is the Managing Director of AVZ Minerals Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Ferguson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Any reference to Proved and Probable Ore Reserves are made with reference to the previous Company Announcement “JORC Ore Reserves increase by 41.6% at Roche Dure” dated 14 July 2021 and any reference to

Mineral Resources are made with reference to the Company Announcement "Updated Mineral Resource Estimate Includes Pit Floor "Wedge" Drill Results" dated 24 May 2021.

The Company confirms all material assumptions and technical parameters underpinning the estimates in the relevant market announcement(s) continue to apply and have not materially changed nor is it aware of any new information or data that materially affects the information included in this Announcement.

¹The potential quantity and grade of the exploration target at Carriere de l'Este as stated, is conceptual in nature as there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

Appendix 1

Collar Table for holes CDL21DD001, CDL21DD002, CDL21DD003 and CDL21DD004
(All hand held GPS positions)

Drill Hole_ID	Drilling Method	Section Line	Easting (mE)	Northing (mN)	Elevation (m)	Datum	Zone	Dip (degrees)	Azimuth (mag degrees)	EOH (m)
CDL21DD001	DDH	22100	548399.0	9193875.0	654 ?	WGS84	35S	-70	310	350.0
CDL21DD002	DDH	22100	548247.0	9194001.0	611.0	WGS84	35S	-70	310	335.65
CDL21DD003	DDH	22300	548570.0	9193995.0	620.0	WGS84	35S	-70	310	350.75
CDL21DD004	DDH	22300	548415.0	9194116.0	623.0	WGS84	35S	-70	310	275.6

Appendix 2

Down-hole Survey Table for holes CDL21DD001, CDL21DD002, CDL21DD003 and CDL21DD004

Hole_ID	Depth (m)	Inclination (deg)	Azimuth (deg)
CDL21DD001	0	-70	310
CDL21DD001	30	-70.8	309
CDL21DD001	60	-70.5	310
CDL21DD001	90	-70.1	309
CDL21DD001	120	-70	310
CDL21DD001	150	-69.7	309
CDL21DD001	180	-68.8	307
CDL21DD001	210	-69	308
CDL21DD001	240	-68.7	307
CDL21DD001	270	-68.7	307
CDL21DD001	300	-68.6	307
CDL21DD001	330	-68.4	308
MO20DD008	350	-68.2	308
MO20DD008	0	-70	311
MO20DD008	30	-70.9	313

MO20DD008	60	-71.8	312
MO21DD001	90	-71.4	311
MO21DD001	120	-71.7	309
MO21DD001	150	-71.7	309
MO21DD001	180	-72	308
MO21DD001	210	-71.9	306
MO21DD001	240	-71.7	305
MO21DD001	270	-71.9	303
MO21DD001	300	-72.3	302
MO20DD008	330	-72.4	302
MO20DD008	0	-70	310
MO20DD008	30	-70.7	310
MO21DD001	60	-70.3	310
MO21DD001	90	-70.4	310
MO21DD001	120	-70.4	310
MO21DD001	150	-70.4	309
MO20DD008	180	-70.8	308
MO20DD008	210	-70.7	308
MO20DD008	240	-70.6	307
MO21DD001	270	-70.7	307
MO21DD001	300	-70.8	306
MO21DD001	330	-70.8	306
MO21DD001	350	-71.6	306
MO21DD001	0	-70	310
MO21DD001	30	-71.7	311
MO21DD001	60	-71.1	310
MO21DD001	90	-71.1	311
MO20DD008	120	-71.2	309
MO20DD008	150	-71	308
MO20DD008	180	-70.9	308
MO21DD001	210	-70.5	307
MO20DD008	240	-70	308
MO20DD008	276	-69.8	306

Appendix 3
Assay Results for holes CDL21DD001, CDL21DD002, CDL21DD003 and CDL21DD004

Drill Hole ID	From (m)	To (m)	Lithology	DH Samp ID	Li ₂ O %	Sn (ppm)
CDL21DD01	0.00	0.60	Lat	NS_CD_001		
CDL21DD01	0.60	0.75	LC	NS_CD_001_1		
CDL21DD01	0.75	2.40	Lat	NS_CD_001_2		
CDL21DD01	2.40	3.00	Grs	52001	0.08	300
CDL21DD01	3.00	4.25	Grs	52002	0.11	291
CDL21DD01	4.25	4.55	LC	NS_CD_001_3		
CDL21DD01	4.55	5.00	Grs	52003	0.21	453
CDL21DD01	5.00	6.00	Grs	52004	0.14	297
CDL21DD01	6.00	6.45	Grs	52005	0.06	283
CDL21DD01	6.45	6.75	LC	NS_CD_001_4		
CDL21DD01	6.75	7.25	Grs	52006	0.17	284
CDL21DD01	7.25	7.95	Grs	52007	0.11	210
CDL21DD01	7.95	8.20	LC	NS_CD_001_5		
CDL21DD01	8.20	9.00	Peg	52008	0.05	744
CDL21DD01	9.00	10.00	Peg	52009	0.07	168
CDL21DD01	10.00	10.60	Peg	52011	0.18	230
CDL21DD01	10.60	11.00	Grs	52012	0.10	367
CDL21DD01	11.00	11.80	Grs	52013	0.16	299
CDL21DD01	11.80	13.00	Peg	52014	0.22	242
CDL21DD01	13.00	14.00	Peg	52016	0.14	265
CDL21DD01	14.00	15.00	Peg	52017	0.20	226
CDL21DD01	15.00	16.00	Peg	52018	0.10	121
CDL21DD01	16.00	17.00	Peg	52019	0.03	52
CDL21DD01	17.00	18.25	Peg	52020	0.08	109
CDL21DD01	18.25	18.75	LC	NS_CD_001_6		
CDL21DD01	18.75	19.50	Peg	52021	0.10	106
CDL21DD01	19.50	20.10	Peg	52022	0.08	74
CDL21DD01	20.10	20.25	LC	NS_CD_001_7		
CDL21DD01	20.25	20.65	Peg	52023	0.09	81
CDL21DD01	20.65	21.00	LC	NS_CD_001_8		
CDL21DD01	21.00	21.30	Grs	52024	0.17	202
CDL21DD01	21.30	21.75	LC	NS_CD_001_9		
CDL21DD01	21.75	22.50	Peg	52026	0.06	116
CDL21DD01	22.50	22.90	Peg	52027	0.17	69
CDL21DD01	22.90	23.25	LC	NS_CD_001_10		
CDL21DD01	23.25	23.95	Peg	52028	0.53	107
CDL21DD01	23.95	24.55	Peg	52029	3.39	210
CDL21DD01	24.55	24.75	LC	NS_CD_001_11		
CDL21DD01	24.75	25.25	Peg	52031	3.21	158
CDL21DD01	25.25	25.80	Peg	52032	3.79	120
CDL21DD01	25.80	27.00	Peg	52033	2.17	136
CDL21DD01	27.00	27.50	Peg	52034	1.74	360
CDL21DD01	27.50	27.75	LC	NS_CD_001_12		
CDL21DD01	27.75	28.40	Peg	52036	0.88	6,360
CDL21DD01	28.40	28.80	Peg	52037	0.25	10,000
CDL21DD01	28.80	29.25	LC	NS_CD_001_13		
CDL21DD01	29.25	30.00	Peg	52038	0.82	150
CDL21DD01	30.00	30.75	Peg	52039	0.15	131
CDL21DD01	30.75	31.50	Peg	52040	0.07	169
CDL21DD01	31.50	31.80	LC	NS_CD_001_14		

CDL21DD01	31.80	32.65	Peg	52041	0.34	955
CDL21DD01	32.65	32.80	LC	NS_CD_001_15		
CDL21DD01	32.80	33.75	Apl	52042	0.02	977
CDL21DD01	33.75	34.15	Peg	52043	0.16	540
CDL21DD01	34.15	34.35	LC	NS_CD_001_16		
CDL21DD01	34.35	35.15	Peg	52044	0.12	476
CDL21DD01	35.15	35.95	LC	NS_CD_001_17		
CDL21DD01	35.95	37.00	Peg	52045	3.25	507
CDL21DD01	37.00	38.00	Peg	52046	3.50	773
CDL21DD01	38.00	39.00	Peg	52047	3.46	1,170
CDL21DD01	39.00	40.00	Peg	52048	3.66	378
CDL21DD01	40.00	41.00	Peg	52049	0.00	0
CDL21DD01	41.00	41.75	Peg	52051	2.05	150
CDL21DD01	41.75	42.54	Peg	52052	2.48	1,510
CDL21DD01	42.54	42.70	Apl	52053	0.07	242
CDL21DD01	42.70	43.50	Peg	52054	1.72	174
CDL21DD01	43.50	44.00	Peg	52056	2.51	434
CDL21DD01	44.00	45.00	Peg	52057	1.65	2,600
CDL21DD01	45.00	46.00	Peg	52058	1.87	543
CDL21DD01	46.00	47.00	Peg	52059	3.21	927
CDL21DD01	47.00	48.00	Peg	52060	2.11	236
CDL21DD01	48.00	49.00	Peg	52061	1.27	534
CDL21DD01	49.00	50.00	Peg	52062	1.61	548
CDL21DD01	50.00	51.00	Peg	52063	1.10	1,010
CDL21DD01	51.00	52.00	Peg	52064	1.50	424
CDL21DD01	52.00	53.00	Peg	52066	0.61	1,020
CDL21DD01	53.00	54.00	Peg	52067	0.93	380
CDL21DD01	54.00	55.00	Peg	52068	0.67	211
CDL21DD01	55.00	56.00	Peg	52069	0.77	224
CDL21DD01	56.00	57.00	Peg	52071	1.07	917
CDL21DD01	57.00	58.00	Peg	52072	0.60	618
CDL21DD01	58.00	59.00	Peg	52073	1.78	1,120
CDL21DD01	59.00	60.00	Peg	52074	1.07	2,180
CDL21DD01	60.00	61.00	Peg	52076	1.25	1,680
CDL21DD01	61.00	62.00	Peg	52077	2.06	1,240
CDL21DD01	62.00	63.00	Peg	52078	1.35	1,180
CDL21DD01	63.00	64.00	Peg	52079	1.83	410
CDL21DD01	64.00	65.00	Peg	52080	0.90	3,780
CDL21DD01	65.00	66.00	Peg	52081	2.10	1,400
CDL21DD01	66.00	67.00	Peg	52082	2.05	454
CDL21DD01	67.00	68.00	Peg	52083	1.84	640
CDL21DD01	68.00	69.00	Peg	52084	1.61	1,560
CDL21DD01	69.00	70.00	Peg	52085	3.96	667
CDL21DD01	70.00	71.00	Peg	52086	1.50	2,320
CDL21DD01	71.00	72.00	Peg	52087	0.54	1,100
CDL21DD01	72.00	73.00	Peg	52088	2.17	1,330
CDL21DD01	73.00	74.00	Peg	52089	1.22	1,640
CDL21DD01	74.00	75.00	Peg	52091	2.63	1,030
CDL21DD01	75.00	76.00	Peg	52092	0.67	606
CDL21DD01	76.00	77.00	Peg	52093	0.83	561
CDL21DD01	77.00	78.26	Peg	52094	1.45	877
CDL21DD01	78.26	79.18	Dol	52096	0.21	1,770
CDL21DD01	79.18	79.61	Dol	52097	0.46	165
CDL21DD01	79.61	79.86	Peg	52098	2.32	477
CDL21DD01	79.86	80.60	Dol	52099	0.29	73

CDL21DD01	80.60	81.30	Dol	52100	0.39	85
CDL21DD01	81.30	82.00	Peg	52101	1.17	128
CDL21DD01	82.00	83.00	Peg	52102	0.50	828
CDL21DD01	83.00	84.00	Peg	52103	1.56	967
CDL21DD01	84.00	85.00	Peg	52104	2.44	1,980
CDL21DD01	85.00	86.00	Peg	52106	1.14	3,170
CDL21DD01	86.00	87.00	Peg	52107	2.84	366
CDL21DD01	87.00	88.00	Peg	52108	0.94	596
CDL21DD01	88.00	88.76	Peg	52109	0.09	1,190
CDL21DD01	88.76	89.12	Peg	52111	0.85	690
CDL21DD01	89.12	90.12	Dol	52112	0.24	29
CDL21DD01	90.12	91.12	Dol	52113	0.24	19
CDL21DD01	91.12	93.05	Dol	NS_CD_001_18		
CDL21DD01	93.05	94.05	Dol	52114	0.31	12
CDL21DD01	94.05	95.05	Dol	52116	0.42	57
CDL21DD01	95.05	96.00	Peg	52117	2.88	344
CDL21DD01	96.00	97.00	Peg	52118	2.16	249
CDL21DD01	97.00	98.00	Peg	52119	0.70	777
CDL21DD01	98.00	99.00	Peg	52120	2.98	307
CDL21DD01	99.00	100.00	Peg	52121	0.56	331
CDL21DD01	100.00	101.00	Peg	52122	2.34	324
CDL21DD01	101.00	102.00	Peg	52123	1.85	1,175
CDL21DD01	102.00	103.00	Peg	52124	2.90	454
CDL21DD01	103.00	104.00	Peg	52125	1.44	1,810
CDL21DD01	104.00	105.00	Peg	52126	2.35	3,670
CDL21DD01	105.00	105.60	Peg	52127	2.80	1,425
CDL21DD01	105.60	106.25	Apl	52128	0.86	1,030
CDL21DD01	106.25	106.58	Peg	52129	3.40	176
CDL21DD01	106.58	107.00	Apl	52131	0.12	228
CDL21DD01	107.00	108.00	Apl	52132	0.14	116
CDL21DD01	108.00	108.70	Peg	52133	0.93	987
CDL21DD01	108.70	109.35	Apl	52134	0.19	2,590
CDL21DD01	109.35	110.50	Dol	52136	0.18	24
CDL21DD01	110.50	110.70	LC	NS_CD_001_19		
CDL21DD01	110.70	111.35	Dol	52137	0.11	16
CDL21DD01	111.35	131.20	NS	NS_CD_001_20		
CDL21DD01	131.20	132.16	Qv	52138	0.04	69
CDL21DD01	132.16	150.45	NS	NS_CD_001_21		
CDL21DD01	150.45	150.75	LC	NS_CD_001_22		
CDL21DD01	150.75	152.00	Peg	52139	0.67	341
CDL21DD01	152.00	153.00	Peg	52140	0.24	321
CDL21DD01	153.00	154.00	Peg	52141	0.31	281
CDL21DD01	154.00	155.00	Peg	52142	0.14	257
CDL21DD01	155.00	155.55	Peg	52143	0.07	199
CDL21DD01	155.55	155.70	LC	NS_CD_001_23		
CDL21DD01	155.70	157.00	Peg	52144	0.07	427
CDL21DD01	157.00	158.00	Peg	52146	0.04	761
CDL21DD01	158.00	159.00	Peg	52147	0.05	77
CDL21DD01	159.00	160.00	Peg	52148	0.09	119
CDL21DD01	160.00	161.00	Peg	52149	0.08	126
CDL21DD01	161.00	162.00	Peg	52151	0.10	138
CDL21DD01	162.00	162.18	Apl	52152	0.02	1,650
CDL21DD01	162.18	162.85	Peg	52153	0.06	232
CDL21DD01	162.85	163.67	Apl	52154	0.07	800
CDL21DD01	163.67	165.00	Peg	52156	2.88	449

CDL21DD01	165.00	166.00	Peg	52157	2.62	241
CDL21DD01	166.00	167.00	Peg	52158	2.07	308
CDL21DD01	167.00	168.00	Peg	52159	0.20	701
CDL21DD01	168.00	169.00	Peg	52160	0.08	176
CDL21DD01	169.00	170.00	Peg	52161	0.13	199
CDL21DD01	170.00	171.00	Peg	52162	0.37	154
CDL21DD01	171.00	172.00	Peg	52163	0.35	268
CDL21DD01	172.00	173.00	Peg	52164	0.14	171
CDL21DD01	173.00	174.00	Peg	52165	0.45	248
CDL21DD01	174.00	175.00	Peg	52166	0.12	125
CDL21DD01	175.00	176.00	Peg	52167	0.18	239
CDL21DD01	176.00	177.00	Peg	52168	0.47	220
CDL21DD01	177.00	178.00	Peg	52169	0.22	477
CDL21DD01	178.00	179.00	Peg	52171	0.11	82
CDL21DD01	179.00	180.00	Peg	52172	0.07	96
CDL21DD01	180.00	181.00	Peg	52173	0.07	118
CDL21DD01	181.00	182.00	Peg	52174	0.09	91
CDL21DD01	182.00	183.00	Peg	52176	0.12	125
CDL21DD01	183.00	184.00	Peg	52177	0.08	596
CDL21DD01	184.00	185.00	Peg	52178	0.11	575
CDL21DD01	185.00	186.00	Peg	52179	0.13	229
CDL21DD01	186.00	187.00	Peg	52180	0.11	186
CDL21DD01	187.00	188.00	Peg	52181	0.12	133
CDL21DD01	188.00	189.00	Peg	52182	0.21	105
CDL21DD01	189.00	190.00	Peg	52183	0.10	116
CDL21DD01	190.00	191.00	Peg	52184	1.73	131
CDL21DD01	191.00	192.00	Peg	52186	1.66	447
CDL21DD01	192.00	193.00	Peg	52187	2.23	972
CDL21DD01	193.00	194.00	Peg	52188	3.69	973
CDL21DD01	194.00	195.00	Peg	52189	1.92	787
CDL21DD01	195.00	196.00	Peg	52191	2.97	1,060
CDL21DD01	196.00	197.00	Peg	52192	2.48	740
CDL21DD01	197.00	198.00	Peg	52193	1.60	417
CDL21DD01	198.00	199.00	Peg	52194	1.10	792
CDL21DD01	199.00	200.00	Peg	52196	0.70	873
CDL21DD01	200.00	201.00	Peg	52197	2.43	1,250
CDL21DD01	201.00	202.00	Peg	52198	2.23	1,000
CDL21DD01	202.00	203.00	Peg	52199	1.07	1,260
CDL21DD01	203.00	204.00	Peg	52200	1.93	563
CDL21DD01	204.00	205.00	Apl	52201	0.24	1,970
CDL21DD01	205.00	206.37	Apl	52202	0.36	890
CDL21DD01	206.37	207.00	Apl	52203	0.10	1,500
CDL21DD01	207.00	208.00	Apl	52204	0.17	1,160
CDL21DD01	208.00	209.00	Apl	52205	0.16	805
CDL21DD01	209.00	210.10	Apl	52206	0.11	710
CDL21DD01	210.10	211.00	Apl	52207	0.15	1,280
CDL21DD01	211.00	212.00	Apl	52208	0.21	535
CDL21DD01	212.00	213.00	Apl	52209	0.29	170
CDL21DD01	213.00	214.00	Apl	52211	0.17	487
CDL21DD01	214.00	215.00	Apl	52212	0.53	147
CDL21DD01	215.00	216.00	Apl	52213	0.87	222
CDL21DD01	216.00	216.89	Apl	52214	0.42	138
CDL21DD01	216.89	217.39	Apl	52216	0.13	860
CDL21DD01	217.39	218.00	Peg	52217	1.04	769
CDL21DD01	218.00	219.00	Peg	52218	2.41	624

CDL21DD01	219.00	220.00	Peg	52219	1.74	489
CDL21DD01	220.00	221.00	Peg	52220	2.11	237
CDL21DD01	221.00	222.00	Peg	52221	1.45	284
CDL21DD01	222.00	223.00	Peg	52222	1.22	208
CDL21DD01	223.00	224.00	Peg	52223	2.10	363
CDL21DD01	224.00	225.00	Peg	52224	0.81	1,710
CDL21DD01	225.00	226.00	Peg	52226	1.31	1,000
CDL21DD01	226.00	227.00	Peg	52227	3.01	1,100
CDL21DD01	227.00	228.20	Apl	52228	0.20	791
CDL21DD01	228.20	229.00	Peg	52229	2.80	2,710
CDL21DD01	229.00	230.00	Peg	52231	2.69	1,180
CDL21DD01	230.00	231.00	Peg	52232	2.85	1,610
CDL21DD01	231.00	232.00	Peg	52233	1.15	686
CDL21DD01	232.00	233.00	Peg	52234	1.02	1,010
CDL21DD01	233.00	234.00	Peg	52236	0.64	1,230
CDL21DD01	234.00	235.33	Peg	52237	0.99	834
CDL21DD01	235.33	236.00	Apl	52238	0.12	666
CDL21DD01	236.00	236.60	Peg	52239	0.20	673
CDL21DD01	236.60	237.40	Peg	52240	0.87	844
CDL21DD01	237.40	238.00	Peg	52241	2.95	655
CDL21DD01	238.00	238.75	Peg	52242	2.60	584
CDL21DD01	238.75	240.00	Apl	52243	0.48	1,440
CDL21DD01	240.00	240.35	Peg	52244	1.31	474
CDL21DD01	240.35	241.06	Apl	52245	0.10	817
CDL21DD01	241.06	242.00	Peg	52246	3.27	559
CDL21DD01	242.00	243.00	Peg	52247	0.48	1,070
CDL21DD01	243.00	243.70	Peg	52248	1.90	767
CDL21DD01	243.70	244.70	Apl	52249	0.19	1,450
CDL21DD01	244.70	246.00	Peg	52251	2.35	1,030
CDL21DD01	246.00	247.00	Peg	52252	1.86	548
CDL21DD01	247.00	248.00	Apl	52253	0.09	676
CDL21DD01	248.00	249.04	Apl	52254	0.02	247
CDL21DD01	249.04	250.00	Peg	52256	1.06	384
CDL21DD01	250.00	250.85	Peg	52257	0.50	480
CDL21DD01	250.85	252.00	Apl	52258	0.04	467
CDL21DD01	252.00	253.00	Apl	52259	0.17	422
CDL21DD01	253.00	254.00	Apl	52260	0.08	357
CDL21DD01	254.00	254.75	Apl	52261	0.05	71
CDL21DD01	254.75	256.00	Peg	52262	0.05	356
CDL21DD01	256.00	257.00	Peg	52263	0.56	463
CDL21DD01	257.00	258.00	Peg	52264	0.44	954
CDL21DD01	258.00	259.00	Peg	52266	3.32	510
CDL21DD01	259.00	260.00	Peg	52267	3.07	753
CDL21DD01	260.00	261.00	Peg	52268	3.93	385
CDL21DD01	261.00	262.00	Peg	52269	2.31	302
CDL21DD01	262.00	263.00	Peg	52271	3.76	338
CDL21DD01	263.00	264.00	Peg	52272	2.99	366
CDL21DD01	264.00	265.00	Peg	52273	0.51	162
CDL21DD01	265.00	266.00	Peg	52274	0.11	138
CDL21DD01	266.00	267.00	Peg	52276	0.13	139
CDL21DD01	267.00	268.00	Peg	52277	0.22	719
CDL21DD01	268.00	269.00	Peg	52278	0.86	226
CDL21DD01	269.00	270.00	Peg	52279	0.94	282
CDL21DD01	270.00	270.65	Peg	52280	1.24	359
CDL21DD01	270.65	271.90	Apl	52281	0.07	308

CDL21DD01	271.90	273.00	Peg	52282	1.15	188
CDL21DD01	273.00	274.00	Peg	52283	0.10	668
CDL21DD01	274.00	275.00	Peg	52284	0.67	344
CDL21DD01	275.00	276.00	Peg	52285	3.20	558
CDL21DD01	276.00	277.00	Peg	52286	2.13	671
CDL21DD01	277.00	278.00	Peg	52287	1.31	591
CDL21DD01	278.00	279.00	Peg	52288	0.89	564
CDL21DD01	279.00	280.00	Peg	52289	0.65	967
CDL21DD01	280.00	281.00	Peg	52291	1.00	880
CDL21DD01	281.00	282.00	Peg	52292	3.71	687
CDL21DD01	282.00	283.00	Peg	52293	2.61	388
CDL21DD01	283.00	284.00	Peg	52294	2.34	598
CDL21DD01	284.00	285.00	Peg	52296	2.38	450
CDL21DD01	285.00	286.00	Peg	52297	0.79	723
CDL21DD01	286.00	287.00	Peg	52298	0.26	229
CDL21DD01	287.00	288.00	Peg	52299	0.23	174
CDL21DD01	288.00	289.00	Peg	52300	0.27	288
CDL21DD01	289.00	290.00	Peg	52301	0.50	257
CDL21DD01	290.00	291.00	Peg	52302	2.01	591
CDL21DD01	291.00	292.00	Peg	52303	1.04	685
CDL21DD01	292.00	293.00	Peg	52304	0.90	439
CDL21DD01	293.00	293.74	Peg	52306	1.22	940
CDL21DD01	293.74	294.86	Apl	52307	0.09	989
CDL21DD01	294.86	295.40	Apl	52308	1.41	1,110
CDL21DD01	295.40	296.40	Apl	52309	0.03	605
CDL21DD01	296.40	297.00	Apl	52311	0.11	513
CDL21DD01	297.00	298.00	Apl	52312	0.03	401
CDL21DD01	298.00	299.00	Apl	52313	0.07	230
CDL21DD01	299.00	300.00	Apl	52314	0.14	101
CDL21DD01	300.00	301.00	Apl	52316	0.30	143
CDL21DD01	301.00	302.00	Apl	52317	0.34	178
CDL21DD01	302.00	303.00	Apl	52318	0.07	143
CDL21DD01	303.00	304.10	Apl	52319	0.09	173
CDL21DD01	304.10	304.48	Apl	52320	0.08	262
CDL21DD01	304.48	305.00	Apl	52321	0.07	52
CDL21DD01	305.00	306.00	Apl	52322	0.09	252
CDL21DD01	306.00	307.07	Apl	52323	0.05	342
CDL21DD01	307.07	308.00	Dol	52324	0.29	18
CDL21DD01	308.00	309.00	Dol	52325	0.27	43
CDL21DD01	309.00	313.95	NS	NS_CD_001_24		
CDL21DD01	313.95	314.95	Dol	52326	0.50	29
CDL21DD01	314.95	316.00	Peg	52327	0.64	287
CDL21DD01	316.00	317.00	Peg	52328	3.01	656
CDL21DD01	317.00	318.00	Peg	52329	1.20	551
CDL21DD01	318.00	319.00	Peg	52331	1.34	447
CDL21DD01	319.00	319.90	Peg	52332	1.13	285
CDL21DD01	319.90	321.00	Peg	52333	0.73	253
CDL21DD01	321.00	322.15	Peg	52334	0.34	350
CDL21DD01	322.15	323.00	Peg	52336	2.23	255
CDL21DD01	323.00	324.00	Peg	52337	2.28	277
CDL21DD01	324.00	325.00	Peg	52338	3.14	644
CDL21DD01	325.00	326.00	Peg	52339	0.65	1,095
CDL21DD01	326.00	327.00	Peg	52340	0.50	1,220
CDL21DD01	327.00	328.00	Peg	52341	0.25	403
CDL21DD01	328.00	329.00	Peg	52342	0.09	298

CDL21DD01	329.00	330.00	Peg	52343	0.08	550
CDL21DD01	330.00	331.00	Peg	52344	0.07	489
CDL21DD01	331.00	332.00	Peg	52346	0.13	139
CDL21DD01	332.00	333.00	Peg	52347	0.07	86
CDL21DD01	333.00	334.00	Peg	52348	0.31	221
CDL21DD01	334.00	335.00	Peg	52349	0.09	96
CDL21DD01	335.00	336.00	Peg	52351	0.18	104
CDL21DD01	336.00	337.00	Peg	52352	0.23	190
CDL21DD01	337.00	337.60	Peg	52353	0.14	180
CDL21DD01	337.60	338.15	Dol	52354	0.36	139
CDL21DD01	338.15	338.94	Peg	52356	0.17	242
CDL21DD01	338.94	339.94	Dol	52357	0.25	40
CDL21DD01	339.94	340.94	Dol	52358	0.18	-5
CDL21DD01	340.94	350.00	NS	NS_CD_001_25		
CDL21DD02	0.00	0.50	NS	NS_CD_002		
CDL21DD02	0.50	0.70	LC	NS_CD_002_1		
CDL21DD02	0.70	1.40	NS	NS_CD_002_2		
CDL21DD02	1.40	1.60	LC	NS_CD_002_3		
CDL21DD02	1.60	2.00	Peg	52631	2.1700	274
CDL21DD02	2.00	3.00	Peg	52632	2.6800	606
CDL21DD02	3.00	3.50	Peg	52633	2.2300	464
CDL21DD02	3.50	4.25	Apl	52634	0.2500	930
CDL21DD02	4.25	5.00	Peg	52635	0.5620	501
CDL21DD02	5.00	5.80	Peg	52636	1.4550	944
CDL21DD02	5.80	7.00	Peg	52637	0.9280	987
CDL21DD02	7.00	8.00	Peg	52638	1.2200	1180
CDL21DD02	8.00	8.80	Peg	52639	1.4250	723
CDL21DD02	8.80	10.00	Apl	52641	0.3120	1430
CDL21DD02	10.00	10.95	Apl	52642	0.1590	1680
CDL21DD02	10.95	11.32	Peg	52643	1.9900	724
CDL21DD02	11.32	11.68	Apl	52644	0.0990	1570
CDL21DD02	11.68	12.00	Peg	52646	3.1000	207
CDL21DD02	12.00	13.42	Apl	52647	0.1510	887
CDL21DD02	13.42	14.00	Peg	52648	0.5300	717
CDL21DD02	14.00	15.00	Peg	52649	0.6780	675
CDL21DD02	15.00	16.00	Peg	52650	1.4650	476
CDL21DD02	16.00	17.00	Peg	52651	0.9540	1080
CDL21DD02	17.00	18.00	Peg	52652	1.1450	1070
CDL21DD02	18.00	19.00	Peg	52653	1.6000	363
CDL21DD02	19.00	20.00	Peg	52654	1.3350	1270
CDL21DD02	20.00	21.00	Peg	52656	1.5050	894
CDL21DD02	21.00	22.00	Peg	52657	1.0950	1330
CDL21DD02	22.00	23.00	Peg	52658	1.7450	655
CDL21DD02	23.00	24.00	Peg	52659	2.3600	498
CDL21DD02	24.00	25.00	Peg	52661	2.0500	230
CDL21DD02	25.00	26.00	Peg	52662	1.7800	220
CDL21DD02	26.00	27.00	Peg	52663	2.4600	330
CDL21DD02	27.00	28.00	Peg	52664	0.9080	164
CDL21DD02	28.00	29.00	Peg	52666	1.2450	469
CDL21DD02	29.00	30.00	Peg	52667	1.1150	998
CDL21DD02	30.00	30.56	Peg	52668	1.0100	1550
CDL21DD02	30.56	31.56	Dol	52669	0.3680	39
CDL21DD02	31.56	32.56	Dol	52670	0.1810	33
CDL21DD02	32.56	37.12	NS	NS_CD_002_4		
CDL21DD02	37.12	38.12	Dol	52671	0.2910	30

CDL21DD02	38.12	39.00	Peg	52672	1.6500	1450
CDL21DD02	39.00	40.00	Peg	52673	0.8870	1810
CDL21DD02	40.00	41.00	Peg	52674	1.6850	1070
CDL21DD02	41.00	42.00	Peg	52675	2.4500	1900
CDL21DD02	42.00	43.00	Peg	52676	2.5700	1440
CDL21DD02	43.00	44.00	Peg	52677	2.3400	1850
CDL21DD02	44.00	45.00	Peg	52678	2.4800	781
CDL21DD02	45.00	46.00	Peg	52679	1.2000	1120
CDL21DD02	46.00	47.00	Peg	52681	0.5680	2010
CDL21DD02	47.00	48.32	Peg	52682	0.3980	1660
CDL21DD02	48.32	49.32	Dol	52683	0.4520	58
CDL21DD02	49.32	50.33	Dol	52684	0.4430	72
CDL21DD02	50.33	51.00	Peg	52686	1.6950	856
CDL21DD02	51.00	52.00	Peg	52687	1.9800	3430
CDL21DD02	52.00	53.00	Peg	52688	1.4700	1460
CDL21DD02	53.00	53.42	Peg	52689	2.1700	1090
CDL21DD02	53.42	54.08	Dol	52690	0.4990	143
CDL21DD02	54.08	54.63	Peg	52691	0.1530	570
CDL21DD02	54.63	55.63	Dol	52692	0.4090	79
CDL21DD02	55.63	61.78	NS	NS_CD_002_5		
CDL21DD02	61.78	62.78	Dol	52693	0.6650	66
CDL21DD02	62.78	64.00	Peg	52694	1.4450	392
CDL21DD02	64.00	65.00	Peg	52696	1.6750	314
CDL21DD02	65.00	66.00	Peg	52697	1.5800	766
CDL21DD02	66.00	67.00	Peg	52698	2.1500	493
CDL21DD02	67.00	68.00	Peg	52699	2.4400	1060
CDL21DD02	68.00	69.00	Peg	52701	1.5050	882
CDL21DD02	69.00	70.00	Peg	52702	1.5950	474
CDL21DD02	70.00	71.00	Peg	52703	1.1700	993
CDL21DD02	71.00	72.00	Peg	52704	2.3800	1320
CDL21DD02	72.00	73.00	Peg	52706	1.6050	1420
CDL21DD02	73.00	74.00	Peg	52707	1.2450	1160
CDL21DD02	74.00	75.00	Peg	52708	1.3000	994
CDL21DD02	75.00	76.00	Peg	52709	1.7150	1680
CDL21DD02	76.00	77.00	Peg	52710	1.6450	884
CDL21DD02	77.00	78.00	Peg	52711	2.9200	483
CDL21DD02	78.00	79.00	Peg	52712	2.0900	5220
CDL21DD02	79.00	80.00	Peg	52713	1.0750	977
CDL21DD02	80.00	81.00	Peg	52714	0.1460	1860
CDL21DD02	81.00	82.00	Peg	52715	1.6250	737
CDL21DD02	82.00	83.00	Peg	52716	2.1300	873
CDL21DD02	83.00	84.00	Peg	52717	1.7650	844
CDL21DD02	84.00	85.00	Peg	52718	1.6050	236
CDL21DD02	85.00	85.54	Peg	52719	1.8350	250
CDL21DD02	85.54	85.94	Apl	52721	0.1740	570
CDL21DD02	85.94	87.00	Peg	52722	2.9400	802
CDL21DD02	87.00	88.00	Peg	52723	2.6600	1070
CDL21DD02	88.00	89.00	Peg	52724	2.7200	1860
CDL21DD02	89.00	89.62	Peg	52726	2.7900	647
CDL21DD02	89.62	90.50	Peg	52727	1.1300	1390
CDL21DD02	90.50	91.50	Peg	52728	1.3250	1230
CDL21DD02	91.50	91.80	Apl	52729	0.6890	602
CDL21DD02	91.80	92.80	Dol	52730	0.4310	85
CDL21DD02	92.80	96.69	NS	NS_CD_002_6		
CDL21DD02	96.69	97.69	Dol	52731	0.2800	29

CDL21DD02	97.69	99.00	Peg	52732	0.8370	470
CDL21DD02	99.00	100.00	Peg	52733	1.5750	937
CDL21DD02	100.00	101.00	Peg	52734	0.8440	2290
CDL21DD02	101.00	102.00	Peg	52736	1.8750	5330
CDL21DD02	102.00	103.00	Peg	52737	1.7750	2870
CDL21DD02	103.00	103.62	Peg	52738	0.5810	3460
CDL21DD02	103.62	104.62	Dol	52739	0.3570	57
CDL21DD02	104.62	117.29	NS	NS_CD_002_7		
CDL21DD02	117.29	118.29	Dol	52741	0.3120	35
CDL21DD02	118.29	119.00	Peg	52742	0.5190	435
CDL21DD02	119.00	120.00	Peg	52743	1.5250	1680
CDL21DD02	120.00	121.00	Peg	52744	1.5050	633
CDL21DD02	121.00	122.00	Peg	52746	1.0850	1090
CDL21DD02	122.00	123.00	Peg	52747	1.2700	1500
CDL21DD02	123.00	124.00	Peg	52748	2.1700	1230
CDL21DD02	124.00	124.85	Peg	52749	0.8070	986
CDL21DD02	124.85	125.14	Dol	52750	0.8030	225
CDL21DD02	125.14	125.66	Peg	52751	0.6760	256
CDL21DD02	125.66	126.91	Dol	52752	0.4070	219
CDL21DD02	126.91	128.00	Peg	52753	2.0800	813
CDL21DD02	128.00	129.00	Peg	52754	3.0500	412
CDL21DD02	129.00	130.00	Peg	52755	4.4800	682
CDL21DD02	130.00	131.00	Peg	52756	2.8300	431
CDL21DD02	131.00	132.00	Peg	52757	2.1500	1360
CDL21DD02	132.00	133.00	Peg	52758	2.0200	1120
CDL21DD02	133.00	134.00	Peg	52759	2.1800	1310
CDL21DD02	134.00	135.00	Peg	52761	2.3600	830
CDL21DD02	135.00	136.00	Peg	52762	1.4800	1060
CDL21DD02	136.00	137.00	Peg	52763	0.3640	382
CDL21DD02	137.00	138.00	Peg	52764	3.3300	1320
CDL21DD02	138.00	139.00	Peg	52766	2.7300	1810
CDL21DD02	139.00	140.00	Peg	52767	1.5150	1580
CDL21DD02	140.00	141.00	Peg	52768	1.7700	837
CDL21DD02	141.00	142.00	Peg	52769	1.5800	1050
CDL21DD02	142.00	143.00	Peg	52770	2.4300	903
CDL21DD02	143.00	144.00	Peg	52771	1.1000	1070
CDL21DD02	144.00	145.00	Peg	52772	1.5600	1290
CDL21DD02	145.00	146.00	Peg	52773	1.0700	700
CDL21DD02	146.00	147.00	Peg	52774	0.5250	216
CDL21DD02	147.00	148.00	Peg	52776	3.5200	641
CDL21DD02	148.00	149.00	Peg	52777	0.9280	878
CDL21DD02	149.00	150.00	Peg	52778	0.4310	959
CDL21DD02	150.00	151.00	Peg	52779	0.4540	1150
CDL21DD02	151.00	152.00	Peg	52781	2.0900	713
CDL21DD02	152.00	153.00	Peg	52782	3.8700	914
CDL21DD02	153.00	154.00	Peg	52783	2.1300	1280
CDL21DD02	154.00	155.00	Peg	52784	1.1700	1520
CDL21DD02	155.00	156.00	Peg	52786	0.9990	2380
CDL21DD02	156.00	157.00	Peg	52787	0.1050	1120
CDL21DD02	157.00	158.00	Peg	52788	0.3750	6550
CDL21DD02	158.00	159.00	Peg	52789	0.8700	247
CDL21DD02	159.00	160.00	Peg	52790	0.2240	128
CDL21DD02	160.00	161.00	Peg	52791	0.1680	1050
CDL21DD02	161.00	162.00	Peg	52792	0.2150	1100
CDL21DD02	162.00	163.00	Peg	52793	1.4900	266

CDL21DD02	163.00	164.00	Peg	52794	0.5340	704
CDL21DD02	164.00	165.00	Peg	52795	2.7000	786
CDL21DD02	165.00	166.00	Peg	52796	1.0700	1680
CDL21DD02	166.00	167.00	Peg	52797	0.4220	169
CDL21DD02	167.00	168.00	Peg	52798	0.8050	869
CDL21DD02	168.00	169.00	Peg	52799	0.7580	1360
CDL21DD02	169.00	170.00	Peg	52801	1.0250	748
CDL21DD02	170.00	171.00	Peg	52802	0.9540	663
CDL21DD02	171.00	172.00	Peg	52803	1.0100	726
CDL21DD02	172.00	173.00	Peg	52804	0.6330	1070
CDL21DD02	173.00	174.00	Apl	52806	0.3980	840
CDL21DD02	174.00	175.00	Apl	52807	0.1050	198
CDL21DD02	175.00	176.00	Peg	52808	2.1600	810
CDL21DD02	176.00	177.00	Peg	52809	4.0300	1290
CDL21DD02	177.00	178.00	Peg	52810	2.5700	610
CDL21DD02	178.00	179.00	Peg	52811	2.0900	971
CDL21DD02	179.00	180.00	Peg	52812	3.3900	591
CDL21DD02	180.00	181.00	Peg	52813	1.7450	674
CDL21DD02	181.00	182.15	Peg	52814	0.7620	139
CDL21DD02	182.15	182.92	Apl	52816	0.1050	831
CDL21DD02	182.92	184.00	Peg	52817	0.4590	783
CDL21DD02	184.00	185.00	Peg	52818	1.1650	484
CDL21DD02	185.00	186.00	Peg	52819	1.1250	1310
CDL21DD02	186.00	187.00	Peg	52821	1.2650	806
CDL21DD02	187.00	188.00	Peg	52822	1.9550	732
CDL21DD02	188.00	188.26	Apl	52823	0.1640	432
CDL21DD02	188.26	189.26	Dol	52824	0.4310	30
CDL21DD02	189.26	195.04	NS	NS_CD_002_8		
CDL21DD02	195.04	196.04	Dol	52826	0.2650	61
CDL21DD02	196.04	196.41	Peg	52827	0.4610	416
CDL21DD02	196.41	197.59	Dol	52828	0.4180	79
CDL21DD02	197.59	198.00	Peg	52829	1.7600	655
CDL21DD02	198.00	199.00	Peg	52830	2.8000	1180
CDL21DD02	199.00	200.00	Peg	52831	2.7800	1250
CDL21DD02	200.00	201.00	Peg	52832	3.5600	641
CDL21DD02	201.00	202.00	Peg	52833	3.1300	901
CDL21DD02	202.00	203.00	Peg	52834	3.6600	738
CDL21DD02	203.00	204.00	Peg	52835	3.1400	761
CDL21DD02	204.00	205.00	Peg	52836	1.9750	282
CDL21DD02	205.00	206.00	Peg	52837	1.3750	212
CDL21DD02	206.00	207.00	Peg	52838	0.9790	672
CDL21DD02	207.00	208.00	Peg	52839	0.9060	1590
CDL21DD02	208.00	209.00	Peg	52841	1.6450	3050
CDL21DD02	209.00	210.08	Peg	52842	1.9600	593
CDL21DD02	210.08	211.00	Apl	52843	0.1230	978
CDL21DD02	211.00	212.17	Apl	52844	0.1250	726
CDL21DD02	212.17	213.00	Peg	52846	1.2950	2420
CDL21DD02	213.00	214.00	Peg	52847	1.1200	1120
CDL21DD02	214.00	215.00	Peg	52848	1.5000	1250
CDL21DD02	215.00	216.00	Peg	52849	1.0450	1790
CDL21DD02	216.00	217.00	Peg	52850	0.4610	627
CDL21DD02	217.00	217.45	Peg	52851	0.2820	502
CDL21DD02	217.45	218.45	Dol	52852	0.3620	65
CDL21DD02	218.45	219.84	NS	NS_CD_002_9		
CDL21DD02	219.84	220.53	Apl	52853	0.0520	619

CDL21DD02	220.53	221.53	Dol	52854	0.2630	38
CDL21DD02	221.53	222.53	Dol	52856	0.2220	23
CDL21DD02	222.53	235.42	NS	NS_CD_002_10		
CDL21DD02	235.42	236.42	Dol	52857	0.2710	23
CDL21DD02	236.42	237.00	Peg	52858	0.0500	127
CDL21DD02	237.00	238.00	Peg	52859	1.1150	192
CDL21DD02	238.00	239.00	Peg	52861	0.4350	140
CDL21DD02	239.00	240.00	Peg	52862	0.5810	346
CDL21DD02	240.00	241.00	Peg	52863	1.9800	763
CDL21DD02	241.00	242.00	Peg	52864	3.8400	293
CDL21DD02	242.00	243.00	Peg	52866	4.5900	327
CDL21DD02	243.00	244.00	Peg	52867	3.2800	494
CDL21DD02	244.00	245.00	Peg	52868	0.8700	413
CDL21DD02	245.00	245.74	Peg	52869	0.6850	702
CDL21DD02	245.74	247.00	Apl	52870	0.1270	688
CDL21DD02	247.00	248.43	Apl	52871	0.1250	305
CDL21DD02	248.43	249.00	Peg	52872	0.8890	467
CDL21DD02	249.00	250.00	Peg	52873	1.4550	518
CDL21DD02	250.00	251.00	Peg	52874	3.5600	331
CDL21DD02	251.00	252.00	Peg	52875	2.7900	923
CDL21DD02	252.00	253.00	Peg	52876	2.6900	1040
CDL21DD02	253.00	254.00	Peg	52877	2.1800	1670
CDL21DD02	254.00	255.00	Peg	52878	1.8900	1440
CDL21DD02	255.00	256.00	Peg	52879	0.2450	1100
CDL21DD02	256.00	257.00	Peg	52881	1.3900	674
CDL21DD02	257.00	257.59	Peg	52882	1.8400	445
CDL21DD02	257.59	257.98	Apl	52883	0.0370	302
CDL21DD02	257.98	259.00	Peg	52884	0.0520	466
CDL21DD02	259.00	260.00	Peg	52886	0.0370	494
CDL21DD02	260.00	261.00	Peg	52887	0.0520	250
CDL21DD02	261.00	262.00	Peg	52888	0.0820	299
CDL21DD02	262.00	263.00	Peg	52889	1.1800	499
CDL21DD02	263.00	264.00	Peg	52890	3.0000	437
CDL21DD02	264.00	265.00	Peg	52891	3.2400	1130
CDL21DD02	265.00	266.00	Peg	52892	2.5800	227
CDL21DD02	266.00	267.00	Peg	52893	2.6000	676
CDL21DD02	267.00	268.00	Peg	52894	1.4850	400
CDL21DD02	268.00	269.00	Peg	52896	0.3440	303
CDL21DD02	269.00	270.00	Peg	52897	0.3160	258
CDL21DD02	270.00	271.00	Peg	52898	0.5100	753
CDL21DD02	271.00	272.00	Peg	52899	0.5450	1340
CDL21DD02	272.00	273.00	Peg	52901	1.8950	520
CDL21DD02	273.00	274.00	Peg	52902	2.8200	487
CDL21DD02	274.00	275.00	Peg	52903	1.9500	728
CDL21DD02	275.00	275.75	Peg	52904	1.2150	336
CDL21DD02	275.75	276.80	Apl	52906	0.0820	514
CDL21DD02	276.80	277.80	Dol	52907	0.2390	42
CDL21DD02	277.80	278.80	Dol	52908	0.2320	17
CDL21DD02	278.80	289.10	NS	NS_CD_002_11		
CDL21DD02	289.10	290.10	Dol	52909	0.1830	20
CDL21DD02	290.10	291.12	Peg	52910	0.8350	267
CDL21DD02	291.12	292.08	Dol	52911	0.3600	54
CDL21DD02	292.08	293.00	Peg	52912	1.0550	1160
CDL21DD02	293.00	294.00	Peg	52913	2.0100	758
CDL21DD02	294.00	295.00	Peg	52914	1.6050	1130

CDL21DD02	295.00	295.60	Peg	52915	1.2900	587
CDL21DD02	295.60	296.60	Dol	52916	0.3210	22
CDL21DD02	296.60	304.00	NS	NS_CD_002_12		
CDL21DD02	304.00	305.00	Dol	52917	0.2950	23
CDL21DD02	305.00	306.00	Peg	52918	0.0840	166
CDL21DD02	306.00	307.00	Peg	52919	0.0600	99
CDL21DD02	307.00	308.00	Peg	52921	0.1310	159
CDL21DD02	308.00	309.00	Peg	52922	0.0430	341
CDL21DD02	309.00	310.00	Peg	52923	0.0470	552
CDL21DD02	310.00	311.00	Peg	52924	0.1770	1090
CDL21DD02	311.00	312.00	Peg	52926	1.1600	1060
CDL21DD02	312.00	313.00	Peg	52927	1.8550	783
CDL21DD02	313.00	314.00	Peg	52928	1.4900	1250
CDL21DD02	314.00	315.00	Peg	52929	1.4700	1100
CDL21DD02	315.00	316.00	Peg	52930	0.8650	1020
CDL21DD02	316.00	317.00	Peg	52931	0.1610	1190
CDL21DD02	317.00	318.05	Peg	52932	0.0260	504
CDL21DD02	318.05	319.00	Dol	52933	0.4000	34
CDL21DD02	319.00	320.00	Dol	52934	0.3290	30
CDL21DD02	320.00	335.65	NS	NS_CD_002_13		
CDL21DD03	0.00	0.60	NS	NS_CD_003		
CDL21DD03	0.60	0.80	LC	NS_CD_003_1		
CDL21DD03	0.80	5.07	NS	NS_CD_003_2		
CDL21DD03	5.07	6.00	Grs	52371	0.18	272
CDL21DD03	6.00	6.80	Peg	52372	0.08	174
CDL21DD03	6.80	8.00	Peg	52373	0.05	204
CDL21DD03	8.00	8.80	Peg	52374	0.05	1,440
CDL21DD03	8.80	9.00	LC	NS_CD_003_3		
CDL21DD03	9.00	10.00	Peg	52375	0.04	1,170
CDL21DD03	10.00	10.60	Peg	52376	0.02	4,030
CDL21DD03	10.60	11.60	Dol	52377	0.07	158
CDL21DD03	11.60	52.64	NS	NS_CD_003_4		
CDL21DD03	52.64	53.07	Dol	52378	0.20	130
CDL21DD03	53.07	54.30	Dol	52379	0.24	29
CDL21DD03	54.30	55.50	Peg	52381	1.44	1,830
CDL21DD03	55.50	56.93	Dol	52382	0.34	243
CDL21DD03	56.93	58.00	Peg	52383	1.19	365
CDL21DD03	58.00	59.00	Peg	52384	2.08	181
CDL21DD03	59.00	60.00	Peg	52386	1.13	293
CDL21DD03	60.00	60.60	Peg	52387	1.29	227
CDL21DD03	60.60	61.07	Apl	52388	0.10	22
CDL21DD03	61.07	62.00	Peg	52389	2.43	127
CDL21DD03	62.00	63.00	Peg	52390	1.93	203
CDL21DD03	63.00	64.00	Peg	52391	1.46	588
CDL21DD03	64.00	65.00	Peg	52392	1.14	854
CDL21DD03	65.00	66.00	Peg	52393	1.46	350
CDL21DD03	66.00	67.00	Peg	52394	1.69	855
CDL21DD03	67.00	68.00	Peg	52396	1.95	631
CDL21DD03	68.00	69.00	Peg	52397	2.28	549
CDL21DD03	69.00	70.00	Peg	52398	2.60	486
CDL21DD03	70.00	71.00	Peg	52399	1.75	799
CDL21DD03	71.00	72.00	Peg	52401	1.47	786
CDL21DD03	72.00	73.00	Peg	52402	3.01	908
CDL21DD03	73.00	74.00	Peg	52403	2.69	518
CDL21DD03	74.00	75.00	Peg	52404	2.22	1,010

CDL21DD03	75.00	76.00	Peg	52406	2.42	463
CDL21DD03	76.00	77.00	Peg	52407	2.22	301
CDL21DD03	77.00	78.00	Peg	52408	1.11	335
CDL21DD03	78.00	79.00	Peg	52409	1.15	468
CDL21DD03	79.00	80.00	Peg	52410	1.80	632
CDL21DD03	80.00	81.00	Apl	52411	0.81	381
CDL21DD03	81.00	82.00	Apl	52412	0.30	107
CDL21DD03	82.00	83.00	Peg	52413	1.45	915
CDL21DD03	83.00	84.40	Peg	52414	1.27	1,540
CDL21DD03	84.40	85.40	Hmsbq	52415	0.24	114
CDL21DD03	85.40	86.40	Hmsbq	52416	0.31	52
CDL21DD03	86.40	91.27	Hmsbq	NS_CD_003_5		
CDL21DD03	91.27	92.27	Hmsbq	52417	0.25	77
CDL21DD03	92.27	93.27	Hmsbq	52418	0.36	318
CDL21DD03	93.27	94.00	Peg	52419	1.55	8,340
CDL21DD03	94.00	95.00	Peg	52421	0.19	1,790
CDL21DD03	95.00	96.00	Peg	52422	0.49	2,440
CDL21DD03	96.00	97.00	Peg	52423	0.73	1,670
CDL21DD03	97.00	98.00	Peg	52424	2.72	433
CDL21DD03	98.00	99.00	Peg	52426	0.18	1,580
CDL21DD03	99.00	100.12	Apl	52427	0.06	1,880
CDL21DD03	100.12	101.40	Peg	52428	1.61	3,120
CDL21DD03	101.40	102.40	Hmsbq	52429	0.31	208
CDL21DD03	102.40	104.00	Hmsbq	NS_CD_003_6		
CDL21DD03	104.00	105.00	Peg	52430	0.92	1,100
CDL21DD03	105.00	106.03	Peg	52431	1.44	1,200
CDL21DD03	106.03	107.00	Apl	52432	0.08	1,890
CDL21DD03	107.00	108.00	Apl	52433	0.05	2,010
CDL21DD03	108.00	108.50	Apl	52434	0.04	706
CDL21DD03	108.50	109.00	Peg	52436	1.95	7,860
CDL21DD03	109.00	110.00	Peg	52437	1.61	2,380
CDL21DD03	110.00	111.07	Peg	52438	0.13	2,640
CDL21DD03	111.07	111.42	LC	NS_CD_003_7		
CDL21DD03	111.42	112.42	Dol	52439	0.27	56
CDL21DD03	112.42	113.42	Dol	52441	0.12	40
CDL21DD03	113.42	176.88	NS	NS_CD_003_8		
CDL21DD03	176.88	177.88	Dol	52442	0.17	141
CDL21DD03	177.88	178.88	Dol	52443	0.37	135
CDL21DD03	178.88	179.75	Grs	52444		457
CDL21DD03	179.75	181.00	Apl	52446	0.07	150
CDL21DD03	181.00	182.00	Apl	52447	0.04	112
CDL21DD03	182.00	183.00	Apl	52448	0.03	112
CDL21DD03	183.00	184.00	Apl	52449	0.03	101
CDL21DD03	184.00	185.00	Apl	52450	0.04	177
CDL21DD03	185.00	186.00	Apl	52451	0.88	219
CDL21DD03	186.00	187.00	Apl	52452	0.55	236
CDL21DD03	187.00	188.00	Apl	52453	0.28	200
CDL21DD03	188.00	189.00	Apl	52454	0.26	312
CDL21DD03	189.00	190.00	Apl	52455	0.16	203
CDL21DD03	190.00	191.00	Apl	52456	0.22	256
CDL21DD03	191.00	192.00	Apl	52457	0.21	267
CDL21DD03	192.00	193.00	Apl	52458	0.39	324
CDL21DD03	193.00	194.00	Apl	52459	0.22	245
CDL21DD03	194.00	195.00	Apl	52461	0.37	334
CDL21DD03	195.00	196.00	Apl	52462	0.45	195

CDL21DD03	196.00	197.00	Apl	52463	0.16	309
CDL21DD03	197.00	198.00	Apl	52464	0.31	241
CDL21DD03	198.00	199.00	Apl	52466	0.16	906
CDL21DD03	199.00	200.00	Apl	52467	0.09	162
CDL21DD03	200.00	201.00	Apl	52468	0.03	98
CDL21DD03	201.00	202.00	Apl	52469	0.05	148
CDL21DD03	202.00	203.00	Apl	52470	0.02	76
CDL21DD03	203.00	204.00	Apl	52471	0.01	65
CDL21DD03	204.00	205.00	Apl	52472	0.02	94
CDL21DD03	205.00	206.00	Apl	52473	0.03	109
CDL21DD03	206.00	207.00	Apl	52474	0.04	107
CDL21DD03	207.00	208.00	Apl	52476	0.03	94
CDL21DD03	208.00	209.00	Apl	52477	0.02	218
CDL21DD03	209.00	210.00	Apl	52478	0.08	220
CDL21DD03	210.00	211.00	Apl	52479	0.11	359
CDL21DD03	211.00	212.00	Apl	52481	0.04	168
CDL21DD03	212.00	213.00	Apl	52482	0.10	262
CDL21DD03	213.00	214.00	Apl	52483	0.13	228
CDL21DD03	214.00	215.00	Apl	52484	0.27	491
CDL21DD03	215.00	216.00	Apl	52486	0.06	408
CDL21DD03	216.00	217.00	Apl	52487	0.05	161
CDL21DD03	217.00	218.00	Apl	52488	0.04	115
CDL21DD03	218.00	219.00	Apl	52489	0.03	129
CDL21DD03	219.00	220.00	Apl	52490	0.04	161
CDL21DD03	220.00	221.00	Apl	52491	0.04	424
CDL21DD03	221.00	222.00	Apl	52492	0.05	161
CDL21DD03	222.00	223.00	Apl	52493	0.04	575
CDL21DD03	223.00	224.00	Apl	52494	0.02	588
CDL21DD03	224.00	225.00	Apl	52495	0.03	1,560
CDL21DD03	225.00	226.00	Apl	52496	0.05	871
CDL21DD03	226.00	227.00	Apl	52497	0.21	1,370
CDL21DD03	227.00	228.00	Apl	52498	0.04	529
CDL21DD03	228.00	229.00	Apl	52499	0.04	158
CDL21DD03	229.00	230.00	Apl	52501	0.69	154
CDL21DD03	230.00	231.00	Peg	52502	1.12	231
CDL21DD03	231.00	232.00	Apl	52503	0.18	886
CDL21DD03	232.00	233.00	Apl	52504	0.24	576
CDL21DD03	233.00	234.00	Apl	52506	0.59	987
CDL21DD03	234.00	235.00	Peg	52507	1.31	2,150
CDL21DD03	235.00	236.00	Peg	52508	0.58	1,440
CDL21DD03	236.00	237.00	Peg	52509	0.80	1,650
CDL21DD03	237.00	238.00	Peg	52510	2.29	1,740
CDL21DD03	238.00	239.00	Peg	52511	2.24	1,210
CDL21DD03	239.00	240.00	Peg	52512	1.18	859
CDL21DD03	240.00	241.00	Peg	52513	1.33	752
CDL21DD03	241.00	242.00	Peg	52514	2.12	640
CDL21DD03	242.00	243.00	Peg	52516	1.90	732
CDL21DD03	243.00	244.00	Peg	52517	1.72	419
CDL21DD03	244.00	245.00	Peg	52518	0.07	115
CDL21DD03	245.00	246.00	Peg	52519	0.27	96
CDL21DD03	246.00	247.00	Peg	52521	0.95	579
CDL21DD03	247.00	248.00	Peg	52522	0.91	640
CDL21DD03	248.00	249.00	Peg	52523	1.03	1,240
CDL21DD03	249.00	250.00	Peg	52524	2.62	1,620
CDL21DD03	250.00	251.00	Peg	52526	1.00	919

CDL21DD03	251.00	252.00	Peg	52527	1.27	586
CDL21DD03	252.00	253.00	Peg	52528	3.74	769
CDL21DD03	253.00	254.00	Peg	52529	2.87	1,210
CDL21DD03	254.00	255.00	Peg	52530	2.93	669
CDL21DD03	255.00	256.00	Peg	52531	1.15	146
CDL21DD03	256.00	257.00	Apl	52532	0.13	154
CDL21DD03	257.00	258.00	Apl	52533	0.10	247
CDL21DD03	258.00	259.00	Apl	52534	0.21	589
CDL21DD03	259.00	260.00	Apl	52535	0.74	2,570
CDL21DD03	260.00	261.00	Apl	52536	0.26	1,870
CDL21DD03	261.00	262.33	Peg	52537	1.31	973
CDL21DD03	262.33	263.33	Apl	52538	0.55	1,120
CDL21DD03	263.33	264.19	Apl	52539	0.30	925
CDL21DD03	264.19	265.19	Apl	52541	0.31	706
CDL21DD03	265.19	266.15	Apl	52542	0.93	1,160
CDL21DD03	266.15	266.70	Apl	52543	0.07	1,030
CDL21DD03	266.70	267.70	Peg	52544	2.86	196
CDL21DD03	267.70	268.70	Peg	52546	2.76	364
CDL21DD03	268.70	269.90	Peg	52547	3.70	566
CDL21DD03	269.90	271.00	Apl	52548	0.07	423
CDL21DD03	271.00	272.00	Apl	52549	0.09	1,030
CDL21DD03	272.00	273.00	Peg	52550	2.42	444
CDL21DD03	273.00	274.00	Peg	52551	3.70	599
CDL21DD03	274.00	275.00	Peg	52552	2.97	3,450
CDL21DD03	275.00	276.00	Peg	52553	2.07	553
CDL21DD03	276.00	277.00	Peg	52554	1.17	935
CDL21DD03	277.00	278.00	Peg	52556	2.46	1,500
CDL21DD03	278.00	279.00	Peg	52557	1.94	788
CDL21DD03	279.00	280.00	Peg	52558	1.95	1,260
CDL21DD03	280.00	281.00	Peg	52559	1.45	228
CDL21DD03	281.00	282.00	Apl	52561	0.59	1,320
CDL21DD03	282.00	283.00	Peg	52562	1.79	384
CDL21DD03	283.00	284.00	Peg	52563	2.63	400
CDL21DD03	284.00	285.00	Peg	52564	1.67	327
CDL21DD03	285.00	286.00	Peg	52566	1.02	144
CDL21DD03	286.00	287.00	Peg	52567	2.03	315
CDL21DD03	287.00	288.00	Peg	52568	0.73	183
CDL21DD03	288.00	289.00	Peg	52569	1.35	248
CDL21DD03	289.00	290.00	Peg	52570	1.94	316
CDL21DD03	290.00	291.00	Apl	52571	0.18	211
CDL21DD03	291.00	292.00	Apl	52572	0.21	267
CDL21DD03	292.00	293.00	Apl	52573	0.18	773
CDL21DD03	293.00	294.00	Apl	52574	0.43	157
CDL21DD03	294.00	295.00	Peg	52575	1.18	194
CDL21DD03	295.00	296.00	Apl	52576	0.44	138
CDL21DD03	296.00	297.00	Apl	52577	0.47	127
CDL21DD03	297.00	298.00	Peg	52578	1.12	162
CDL21DD03	298.00	299.00	Peg	52579	1.79	268
CDL21DD03	299.00	300.00	Peg	52581	1.11	279
CDL21DD03	300.00	301.00	Apl	52582	0.69	1,700
CDL21DD03	301.00	302.00	Apl	52583	0.07	674
CDL21DD03	302.00	303.00	Apl	52584	0.09	1,275
CDL21DD03	303.00	304.00	Peg	52586	1.75	549
CDL21DD03	304.00	305.00	Peg	52587	2.06	706
CDL21DD03	305.00	306.00	Peg	52588	1.15	303

CDL21DD03	306.00	307.00	Peg	52589	0.84	655
CDL21DD03	307.00	308.00	Peg	52590	1.05	164
CDL21DD03	308.00	309.00	Apl	52591	0.07	111
CDL21DD03	309.00	310.00	Apl	52592	0.05	359
CDL21DD03	310.00	311.00	Peg	52593	2.99	518
CDL21DD03	311.00	312.00	Peg	52594	1.26	1,240
CDL21DD03	312.00	313.00	Apl	52596	0.43	565
CDL21DD03	313.00	314.00	Apl	52597	0.02	380
CDL21DD03	314.00	315.00	Apl	52598	0.02	821
CDL21DD03	315.00	316.00	Apl	52599	0.04	539
CDL21DD03	316.00	317.00	Apl	52601	0.02	316
CDL21DD03	317.00	318.00	Apl	52602	0.02	382
CDL21DD03	318.00	319.00	Apl	52603	0.02	66
CDL21DD03	319.00	320.00	Apl	52604	0.03	88
CDL21DD03	320.00	321.00	Apl	52606	0.05	258
CDL21DD03	321.00	322.00	Apl	52607	0.02	109
CDL21DD03	322.00	323.00	Apl	52608	0.53	169
CDL21DD03	323.00	324.00	Apl	52609	0.05	113
CDL21DD03	324.00	325.00	Apl	52610	0.04	221
CDL21DD03	325.00	326.00	Apl	52611	0.03	218
CDL21DD03	326.00	327.00	Apl	52612	0.03	165
CDL21DD03	327.00	328.00	Apl	52613	0.04	147
CDL21DD03	328.00	329.00	Apl	52614	0.04	178
CDL21DD03	329.00	330.00	Apl	52615	0.03	2,110
CDL21DD03	330.00	330.58	Apl	52616	0.04	95
CDL21DD03	330.58	331.58	DoI	52617	0.10	51
CDL21DD03	331.58	332.58	DoI	52618	0.10	10
CDL21DD03	332.58	350.75	NS	NS_CD_003_9		
CDL21DD04	0.00	9.60	NS	NS_CD_004		
CDL21DD04	9.60	10.00	LC	NS_CD_004_1		
CDL21DD04	10.00	10.15	LC	NS_CD_004_2		
CDL21DD04	10.15	10.90	Peg	52951	0.065	283
CDL21DD04	10.90	12.00	Apl	52952	0.073	670
CDL21DD04	12.00	13.28	Peg	52953	0.831	509
CDL21DD04	13.28	14.28	Apl	52954	0.058	1560
CDL21DD04	14.28	15.56	Apl	52955	0.161	1470
CDL21DD04	15.56	16.00	Peg	52956	2.510	462
CDL21DD04	16.00	17.00	Peg	52957	1.070	577
CDL21DD04	17.00	18.00	Peg	52958	0.618	70
CDL21DD04	18.00	19.00	Peg	52959	1.520	550
CDL21DD04	19.00	20.00	Peg	52961	1.545	278
CDL21DD04	20.00	20.60	Peg	52962	1.825	406
CDL21DD04	20.60	21.00	Peg	52963	1.095	152
CDL21DD04	21.00	22.00	Peg	52964	3.670	1730
CDL21DD04	22.00	23.00	Peg	52965	1.400	936
CDL21DD04	23.00	24.00	Peg	52966	3.560	1310
CDL21DD04	24.00	25.00	Peg	52967	1.285	2350
CDL21DD04	25.00	26.00	Peg	52968	2.280	737
CDL21DD04	26.00	27.00	Peg	52969	1.415	567
CDL21DD04	27.00	28.00	Peg	52970	0.949	1730
CDL21DD04	28.00	28.62	Peg	52971	1.210	1040
CDL21DD04	28.62	29.00	Apl	52972	0.592	2150
CDL21DD04	29.00	30.00	Peg	52973	0.906	404
CDL21DD04	30.00	31.00	Peg	52974	1.010	1070
CDL21DD04	31.00	32.00	Peg	52976	1.200	679

CDL21DD04	32.00	33.00	Peg	52977	1.155	2460
CDL21DD04	33.00	34.00	Peg	52978	1.550	1630
CDL21DD04	34.00	35.00	Peg	52979	0.805	1460
CDL21DD04	35.00	35.71	Peg	52980	1.195	824
CDL21DD04	35.71	36.71	Dol	52981	0.263	33
CDL21DD04	36.71	38.74	NS	NS_CD_004_3		
CDL21DD04	38.74	39.74	Dol	52982	0.278	47
CDL21DD04	39.74	41.00	Peg	52983	1.550	1620
CDL21DD04	41.00	42.00	Peg	52984	2.110	8190
CDL21DD04	42.00	43.00	Peg	52986	2.180	3290
CDL21DD04	43.00	43.70	Peg	52987	0.889	1930
CDL21DD04	43.70	44.02	Apl	52988	0.118	1740
CDL21DD04	44.02	45.45	Dol	52989	0.360	81
CDL21DD04	45.45	46.00	Peg	52990	1.855	2070
CDL21DD04	46.00	47.00	Peg	52991	0.598	1650
CDL21DD04	47.00	48.00	Peg	52992	1.830	1330
CDL21DD04	48.00	49.00	Peg	52993	1.475	2780
CDL21DD04	49.00	50.00	Peg	52994	2.530	1880
CDL21DD04	50.00	51.00	Peg	52995	1.335	1790
CDL21DD04	51.00	52.00	Peg	52996	2.120	294
CDL21DD04	52.00	52.59	Peg	52997	1.055	3320
CDL21DD04	52.59	53.59	Dol	52998	0.355	44
CDL21DD04	53.59	54.38	NS	NS_CD_004_4		
CDL21DD04	54.38	55.00	Peg	52999	1.355	1260
CDL21DD04	55.00	55.44	Apl	53001	0.034	1860
CDL21DD04	55.44	56.44	Dol	53002	0.291	35
CDL21DD04	56.44	57.44	Dol	53003	0.196	19
CDL21DD04	57.44	74.97	NS	NS_CD_004_5		
CDL21DD04	74.97	75.97	Dol	53004	0.377	73
CDL21DD04	75.97	77.00	Peg	53005	1.235	385
CDL21DD04	77.00	78.00	Peg	53006	1.950	1190
CDL21DD04	78.00	79.00	Peg	53007	1.880	1010
CDL21DD04	79.00	80.00	Peg	53008	1.080	616
CDL21DD04	80.00	81.30	Peg	53009	0.689	89
CDL21DD04	81.30	82.30	Dol	53010	0.316	108
CDL21DD04	82.30	84.39	NS	NS_CD_004_6		
CDL21DD04	84.39	85.00	Peg	53011	1.270	444
CDL21DD04	85.00	86.00	Peg	53012	2.080	170
CDL21DD04	86.00	87.00	Peg	53013	1.180	252
CDL21DD04	87.00	88.00	Peg	53014	2.090	1260
CDL21DD04	88.00	89.00	Peg	53016	2.080	1360
CDL21DD04	89.00	89.92	Peg	53017	2.450	276
CDL21DD04	89.92	91.12	Dol	53018	0.512	68
CDL21DD04	91.12	91.60	Apl	53019	0.286	400
CDL21DD04	91.60	92.60	Dol	53020	0.291	98
CDL21DD04	92.60	94.81	NS	NS_CD_004_7		
CDL21DD04	94.81	96.00	Peg	53021	1.350	755
CDL21DD04	96.00	97.00	Peg	53022	2.020	433
CDL21DD04	97.00	98.00	Peg	53023	1.190	1120
CDL21DD04	98.00	99.00	Peg	53024	1.600	515
CDL21DD04	99.00	100.00	Peg	53026	3.510	1160
CDL21DD04	100.00	101.00	Peg	53027	2.450	745
CDL21DD04	101.00	102.00	Peg	53028	2.590	909
CDL21DD04	102.00	103.00	Peg	53029	1.800	328
CDL21DD04	103.00	104.00	Peg	53030	1.240	660

CDL21DD04	104.00	105.00	Peg	53031	1.140	995
CDL21DD04	105.00	106.00	Peg	53032	2.570	660
CDL21DD04	106.00	107.00	Peg	53033	2.280	669
CDL21DD04	107.00	108.00	Peg	53034	0.196	246
CDL21DD04	108.00	109.00	Peg	53035	0.504	642
CDL21DD04	109.00	109.54	Peg	53036	1.230	726
CDL21DD04	109.54	110.54	Dol	53037	0.375	57
CDL21DD04	110.54	115.21	NS	NS_CD_004_8		
CDL21DD04	115.21	116.62	Grs	53038	0.039	362
CDL21DD04	116.62	117.62	Dol	53039	0.228	33
CDL21DD04	117.62	118.62	Dol	53041	0.372	19
CDL21DD04	118.62	129.16	NS	NS_CD_004_9		
CDL21DD04	129.16	130.16	Dol	53042	0.260	18
CDL21DD04	130.16	131.16	Dol	53043	0.347	28
CDL21DD04	131.16	132.00	Peg	53044	0.880	420
CDL21DD04	132.00	132.61	Peg	53045	0.032	458
CDL21DD04	132.61	133.61	Dol	53046	0.390	47
CDL21DD04	133.61	142.35	NS	NS_CD_004_10		
CDL21DD04	142.35	143.35	Dol	53047	0.717	176
CDL21DD04	143.35	144.00	Apl	53048	0.099	252
CDL21DD04	144.00	145.00	Apl	53049	0.060	115
CDL21DD04	145.00	146.00	Apl	53050	0.099	166
CDL21DD04	146.00	146.60	Apl	53051	0.032	77
CDL21DD04	146.60	147.00	Apl	53052	0.022	36
CDL21DD04	147.00	148.00	Apl	53053	0.024	43
CDL21DD04	148.00	149.00	Apl	53054	0.034	56
CDL21DD04	149.00	150.00	Apl	53056	0.028	38
CDL21DD04	150.00	151.00	Apl	53057	0.095	78
CDL21DD04	151.00	152.00	Apl	53058	0.555	109
CDL21DD04	152.00	153.00	Apl	53059	0.678	96
CDL21DD04	153.00	154.00	Apl	53060	0.103	88
CDL21DD04	154.00	155.00	Apl	53061	0.054	37
CDL21DD04	155.00	156.00	Apl	53062	0.230	53
CDL21DD04	156.00	157.00	Apl	53063	0.232	56
CDL21DD04	157.00	158.00	Apl	53064	0.101	95
CDL21DD04	158.00	159.00	Apl	53066	0.039	53
CDL21DD04	159.00	160.00	Apl	53067	0.077	400
CDL21DD04	160.00	161.00	Apl	53068	0.355	283
CDL21DD04	161.00	162.00	Apl	53069	0.431	250
CDL21DD04	162.00	163.00	Apl	53070	0.790	373
CDL21DD04	163.00	164.00	Apl	53071	0.973	503
CDL21DD04	164.00	165.00	Apl	53072	0.080	615
CDL21DD04	165.00	166.00	Apl	53073	0.588	237
CDL21DD04	166.00	167.00	Apl	53074	0.495	264
CDL21DD04	167.00	168.00	Apl	53075	0.123	251
CDL21DD04	168.00	169.00	Apl	53076	0.105	194
CDL21DD04	169.00	170.00	Apl	53077	0.159	141
CDL21DD04	170.00	171.00	Apl	53078	0.084	262
CDL21DD04	171.00	172.00	Apl	53079	0.077	243
CDL21DD04	172.00	173.00	Apl	53081	0.110	407
CDL21DD04	173.00	174.00	Apl	53082	0.282	1140
CDL21DD04	174.00	175.00	Apl	53083	0.073	525
CDL21DD04	175.00	176.00	Apl	53084	0.418	482
CDL21DD04	176.00	177.00	Apl	53085	0.280	321
CDL21DD04	177.00	178.00	Peg	53086	2.790	758

CDL21DD04	178.00	179.00	Peg	53087	2.460	735
CDL21DD04	179.00	180.00	Peg	53088	2.900	832
CDL21DD04	180.00	181.00	Peg	53089	1.745	1250
CDL21DD04	181.00	182.00	Peg	53090	2.780	892
CDL21DD04	182.00	183.00	Peg	53091	3.620	416
CDL21DD04	183.00	184.00	Peg	53092	4.090	1090
CDL21DD04	184.00	185.00	Peg	53093	2.160	725
CDL21DD04	185.00	186.00	Peg	53094	2.460	270
CDL21DD04	186.00	187.00	Peg	53096	3.350	295
CDL21DD04	187.00	188.00	Peg	53097	2.880	197
CDL21DD04	188.00	189.00	Peg	53098	3.540	443
CDL21DD04	189.00	190.00	Peg	53099	1.150	241
CDL21DD04	190.00	191.00	Peg	53100	1.805	263
CDL21DD04	191.00	192.00	Peg	53101	1.330	187
CDL21DD04	192.00	193.00	Peg	53102	0.814	546
CDL21DD04	193.00	194.00	Apl	53103	0.050	239
CDL21DD04	194.00	194.64	Apl	53104	0.088	604
CDL21DD04	194.64	195.86	Apl	53106	0.161	810
CDL21DD04	195.86	197.00	Peg	53107	1.015	1130
CDL21DD04	197.00	198.00	Peg	53108	0.958	686
CDL21DD04	198.00	199.00	Apl	53109	0.316	895
CDL21DD04	199.00	200.00	Apl	53110	0.046	785
CDL21DD04	200.00	201.00	Peg	53111	1.490	1580
CDL21DD04	201.00	202.00	Peg	53112	1.105	531
CDL21DD04	202.00	203.00	Apl	53113	0.060	393
CDL21DD04	203.00	204.00	Apl	53114	0.061	1095
CDL21DD04	204.00	205.00	Peg	53115	1.200	759
CDL21DD04	205.00	206.00	Peg	53116	0.414	415
CDL21DD04	206.00	207.00	Peg	53117	0.929	288
CDL21DD04	207.00	208.00	Peg	53118	2.490	539
CDL21DD04	208.00	209.00	Peg	53119	1.735	134
CDL21DD04	209.00	210.00	Peg	53121	1.400	697
CDL21DD04	210.00	211.00	Peg	53122	1.890	585
CDL21DD04	211.00	212.00	Peg	53123	2.080	362
CDL21DD04	212.00	213.00	Peg	53124	0.329	615
CDL21DD04	213.00	214.00	Peg	53125	0.858	661
CDL21DD04	214.00	215.00	Peg	53126	0.799	438
CDL21DD04	215.00	216.00	Peg	53127	3.130	355
CDL21DD04	216.00	217.00	Peg	53128	1.970	577
CDL21DD04	217.00	218.00	Apl	53129	0.115	707
CDL21DD04	218.00	219.00	Peg	53130	3.310	627
CDL21DD04	219.00	220.00	Peg	53131	2.760	732
CDL21DD04	220.00	221.00	Peg	53132	2.620	453
CDL21DD04	221.00	222.00	Peg	53133	0.946	1370
CDL21DD04	222.00	223.00	Peg	53134	0.993	1120
CDL21DD04	223.00	224.00	Peg	53136	1.625	1320
CDL21DD04	224.00	225.00	Peg	53137	0.960	249
CDL21DD04	225.00	225.54	Peg	53138	2.120	745
CDL21DD04	225.54	226.47	Apl	53139	2.240	1980
CDL21DD04	226.47	227.00	Peg	53140	0.958	407
CDL21DD04	227.00	228.00	Peg	53141	0.586	1000
CDL21DD04	228.00	229.00	Peg	53142	0.683	195
CDL21DD04	229.00	230.00	Peg	53143	1.725	1220
CDL21DD04	230.00	231.00	Peg	53144	2.120	667
CDL21DD04	231.00	232.00	Peg	53146	2.060	485

CDL21DD04	232.00	233.00	Peg	53147	1.475	437
CDL21DD04	233.00	234.00	Peg	53148	0.938	229
CDL21DD04	234.00	235.00	Peg	53149	2.560	560
CDL21DD04	235.00	236.00	Peg	53150	1.835	1140
CDL21DD04	236.00	237.00	Peg	53151	1.480	404
CDL21DD04	237.00	238.00	Peg	53152	1.885	1100
CDL21DD04	238.00	239.00	Peg	53153	0.783	845
CDL21DD04	239.00	240.00	Peg	53154	0.857	670
CDL21DD04	240.00	240.94	Peg	53155	1.095	622
CDL21DD04	240.94	241.94	DoI	53156	0.363	90
CDL21DD04	241.94	246.50	NS	NS_CD_004_11		
CDL21DD04	246.50	247.50	DoI	53157	0.433	398
CDL21DD04	247.50	248.07	Qv	53158	0.089	657
CDL21DD04	248.07	249.07	DoI	53159	0.234	39
CDL21DD04	249.07	255.00	NS	NS_CD_004_12		
CDL21DD04	255.00	256.44	Apl	53161	0.044	277
CDL21DD04	256.44	257.44	DoI	53162	0.289	123
CDL21DD04	257.44	258.44	DoI	53163	0.144	12
CDL21DD04	258.44	275.60	NS	NS_CD_004_13		

JORC TABLE 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)		
Criteria	JORC Code explanation	Commentary
Sampling techniques	- Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole 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 (e.g. '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 mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	- Diamond drilling, producing drill core has been utilised to sample the pegmatite below ground surface. This method is recognised as providing the highest quality information and samples of the unexposed geology. - Supplementing the drilling data, surface samples were collected from outcrops, utilising channel sampling from trenches and point-source sampling of scattered outcrops. - Based on available data, there is nothing to indicate that drilling and sampling practices were not to normal industry standards at the time within the Manono licence PR13359. The pegmatite has been sampled from the hanging wall contact continuously through to the footwall contact. In addition, the host-rocks extending 2 m from the contacts have also been sampled. - Diamond drilling has been used to obtain core samples which have then been cut longitudinally. Intervals submitted for assay have been determined according to geological boundaries. Samples were taken at 1 m intervals. - The submitted half-core samples typically had a mass of 3 – 4 kg.
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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).	The drilling was completed using diamond core rigs with PQ used from surface to sample through to fresh or unbroken rock and HQ sized drill rods used after the top-of-fresh-rock had been intersected. Most holes are angled between 50° and 75° and collared from surface into fresh bedrock. All collars were located using a hand held GPS and prior to their use in a JORC mineral resource estimate more accurate surveying of the collar location will be carried out. All holes were downhole surveyed using a digital multi-shot camera at about 30 m intervals. All core was 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.	- Drill core recovery attained >97% in the pegmatite. - Based upon the high recovery, AVZ did not have to implement additional measures to improve sample recovery and the drill core is considered representative and fit for sampling. - For the vast majority of drilling completed, core recovery was near 100% and there is no sample bias due to preferential loss or gain of fine or coarse material.

Criteria	JORC Code explanation	Commentary
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. - The total length and percentage of the relevant intersections logged.	- Drill core was logged by qualified geologists using a data-logger and the logs were then uploaded into Geobank which is a part of the Micromine software system. The core was logged for geology and geotechnical properties (RQD & planar orientations). A complete copy of the data is held by an independent consultant. - All core was logged, and logging was by qualitative (lithology) and quantitative (RQD and structural features) methods. All core was also photographed both in dry and wet states, with the photographs stored in the database. - The entirety of all drillholes are logged for geological, mineralogical, density and geotechnical data.
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.	- Core is cut longitudinally, and half-core samples of a nominal 1 m length are submitted for assay. - The current programme is diamond core drilling. - The sample preparation for drill core samples incorporates standard industry practice. The half-core samples have been prepared at ALS Lubumbashi and the ALS sample preparation facility on site at Manono, with holes from MO18DD021 onwards being prepared at Manono. - At AVZ's onsite sample preparation facility the half-core samples of approximately 4-5 kg are oven dried, crushed to -2 mm with a 500 g sub-sample being split out. This 500 g sub-sample is then pulverised to produce a pulp with 85% passing -75um size fraction. A 120 g subsample is then split from this, the certified reference material, blanks and duplicates are inserted at appropriate intervals and then the complete sample batch is couriered to Australia for assay analysis. - Standard sub-sampling procedures are utilised by ALS Manono and ALS Perth at all stages of sample preparation such that each sub-sample split is representative of the whole it was derived from. - Duplicate sampling was undertaken for the drilling programme. After half-core samples were crushed at the Manono preparatory facility, an AVZ geologist took a split of the crushed sample which is utilised as a field duplicate. The geologist placed the split into a pre-numbered bag which was then inserted into the sample stream. It is then processed further, along with all the other samples. The drilling produced PQ and HQ drill core, providing a representative sample of the pegmatite which is coarse-grained. Sampling was mostly at 1 m intervals, and the submitted half-core samples typically had a mass of 3-4 kg.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> <i>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.</i> <i>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i>	- Diamond drillhole (core) samples were submitted to the Manono site laboratory (DRC) where they were crushed and pulverised to produce pulps. These pulps were couriered to Australia and analysed by ALS Laboratories in Perth, Western Australia using a sodium peroxide fusion of a 5g charge followed by digestion of the prill using dilute hydrochloric acid thence determination by AES or MS, i.e. methods ME-ICP89 and ME-MS91. Samples from the drilling completed in 2017 i.e. MO17DD001 and MO17DD002, were assayed for a suite of 24 elements that included Li, Sn, Ta & Nb. Samples from the drilling completed in 2018 were assayed for a suite of 12 elements; Li, Sn, Ta, Nb, Al, Si, K, Fe, Mg, P, Th and U, with Li reported as Li₂O, Al as Al₂O₃, Si as SiO₂, K as K₂O, Mg as MgO, Fe as Fe₂O₃ and P as P₂O₅. - Peroxide fusion results in the complete digestion of the sample into a molten flux. As fusion digestions are more aggressive than acid digestion methods, they are suitable for many refractory, difficult-to-dissolve minerals such as chromite, ilmenite, spinel, cassiterite and minerals of the tantalum-tungsten solid solution series. They also provide a more-complete digestion of some silicate mineral species and are considered to provide the most reliable determinations of lithium mineralisation. - Sodium peroxide fusion is a total digest and considered the preferred method of assaying pegmatite samples. - Geophysical instruments were not used in assessing the mineralisation. - For the drilling, AVZ incorporated standard QAQC procedures to monitor the precision, accuracy and general reliability of all assay results from assays of drilling samples. As part of AVZ's sampling protocol, CRMs (standards), blanks and duplicates were inserted into the sampling stream. In addition, the laboratory (ALS Perth) incorporated its own internal QAQC procedures to monitor its assay results prior to release of results to AVZ. The Competent Person is satisfied that the results of the QAQC are acceptable and that the assay data from ALS is suitable for Mineral Resource estimation.

Criteria	JORC Code explanation	Commentary
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 entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- Company geologists and consultants observed the mineralisation in the majority of cores on site, although no check assaying was completed by MSA. - Jusdox Surveying observed and photographed several collar positions in the field, along with rigs that were drilling at the time of the site visit. They will be required to return to site to survey the collar co-ordinates for these and any other planned holes to be used in a future mineral resource estimate. - Twinned holes for the verification of historical drilling, were not required. - Drilling data is stored on site as both hard and soft copy. Drilling data is validated onsite before being sent to data management consultants in Perth where the data is further validated. When results are received, they are loaded to the central database in Perth and shared with various stakeholders via the cloud. QC results are reviewed by both independent consultants and AVZ personnel at Manono. Hard copies of assay certificates are stored in AVZ's Perth offices. - AVZ has not adjusted assay data.
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.	- These hole locations were located with a simple hand held GPS unit. Further survey work using a registered surveyor using a Hi-Target V30 Trimble differential GPS with an accuracy of +/- 0.02 m will be required at the end of the planned drilling programme. - All holes were downhole surveyed using a digital multi-shot camera at approximately 30 m intervals. - For the purposes of geological modelling, the drillhole collars were projected onto the concession topographic surface. In most cases adjustments were within 1 m (in elevation). - Coordinates are relative to WGS 84 UTM Zone 35M.
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 Resource and Ore Reserve estimation procedure(s) and classifications applied. - Whether sample compositing has been applied.	Drillhole spacing for this reconnaissance drilling programme was completed on sections 200 m apart, and collars were also 200 m apart for this first pass programme. Information discovered in this programme will be used to design a future infill drilling programme where possible.
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.	- The drillhole orientation is designed to intersect the Carriere de l'Este Pegmatite at, or nearly at, 90° to the plane of the pegmatite. - No material sampling bias exists due to drilling direction.

Criteria	JORC Code explanation	Commentary
Sample security	The measures taken to ensure sample security.	- When utilizing ALS Perth, chain of custody is maintained by AVZ personnel on-site to Lubumbashi. Samples are stored on-site until they are delivered by AVZ personnel in sealed bags to the laboratory at ALS Perth. The ALS laboratory checked received samples against the sample dispatch form and issues a reconciliation report. - At Lubumbashi, the prepared samples (pulp) are sealed in a box and delivered by DHL to ALS Perth. - ALS issue a reconciliation of each sample batch, actual received vs documented dispatch. - The ALS Manono site preparation facility is managed by in house ALS trained personnel who supervise the sample preparation. Prepared samples are sealed in boxes and transported by air the Malabar clearing agency in Lubumbashi and are accompanied by an AVZ employee, where export documentation and formalities are concluded. DHL couriers the samples to ALS in Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	- The sampling techniques were reviewed by the Competent Person during multiple site visits. - The Competent Person considers that the exploration work conducted by AVZ was carried out using appropriate techniques for the style of mineralisation at Carriere de l'Este, and that the resulting database is suitable for Mineral Resource estimation after the drill collars have been more accurately surveyed.

Section 2 Reporting of Exploration Results

(Criteria listed in the previous section also apply to this section.)

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 Manono licence was awarded as Research Permit PR13359, issued on the 28th December 2016 to o La Congolaise d'Exploitation Miniere SA (Cominiere). It is valid for 5 years. On the 2nd February 2017, AVZ formed a joint-venture (JV) with Cominiere and Dathomir Mining Resources SARL (Dathomir) to become the majority partner in a JV aiming to explore and develop the pegmatites contained within PR 13359. Ownership of the Manono Lithium Project is AVZ 60%, Cominiere 25% and Dathomir 15%. - AVZ manages the project and meets all funding requirements. - All indigenous title is cleared and there are no other known historical or environmentally sensitive areas.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	- Within PR13359 exploration of relevance was undertaken by Geomines whom completed a programme of drilling between 1949 and 1951. The drilling consisted of 42 vertical holes drilled to a general depth of around 50 - 60 m. Drilling was carried out on 12 sections at irregular intervals ranging from 50 - 300 m, and over a strike length of some 1,100 m. Drill spacing on the sections varied from 50 - 100 m. The drilling occurred in the Roche Dure Pit only, targeting the fresh pegmatite in the Kitotolo sector of the project area. No historical drilling was undertaken at the Carriere de l'Este pegmatite and this work is the first to gain an appreciation of the size and mineralisation at depth within this mineral deposit. - The licence area has been previously mined for tin and tantalum through a series of open pits over a total length of approximately 10 km excavated by Zairetain SPRL. More than 60 Mt of material was mined from three major pits and several subsidiary pits focused on the weathered upper portions of the pegmatites. Ore was crushed and then upgraded through gravity separation to produce a concentrate of a reported 72% Sn. There are no reliable records available of tantalum or lithium recovery as tin was the primary mineral being recovered. - Apart from the mining excavations and the drilling programme, there has been very limited exploration work within the Manono region.

Criteria	JORC Code explanation	Commentary
Geology	• <i>Deposit type, geological setting and style of mineralisation.</i>	• The Project lies within the mid-Proterozoic Kibaran Belt - an intracratonic domain, stretching for over 1,000 km through Katanga and into southwest Uganda. The belt strikes predominantly SW-NE and is truncated by the N-S to NNW-SSE trending Western Rift system. The Kibaran Belt is comprised of a sedimentary and volcanic sequence that has been folded, metamorphosed and intruded by at least three separate phases of granite. The latest granite phase (900 to 950 million years ago) is assigned to the Katangan cycle and is associated with widespread vein and pegmatite mineralisation containing tin, tungsten, tantalum, niobium, lithium and beryllium. Deposits of this type occur as clusters and are widespread throughout the Kibaran terrain. In the DRC, the Katanga Tin Belt stretches over 500 km from near Kolwezi in the southwest to Kalemie in the northeast comprising numerous occurrences and deposits of which the Manono deposit is the largest. The geology of the Manono area is poorly documented and no reliable maps of local geology were observed. Recent mapping by AVZ has augmented the overview provided by Bassot and Morio (1989) and has led to the following description. The Manono Project pegmatites are hosted by a series of mica schists and by amphibolite in some locations. These host rocks have a steeply dipping penetrative foliation that appears to be parallel to bedding. There are numerous bodies of pegmatite, the largest of which have sub-horizontal to moderate dips, with dip direction being towards the southeast. The pegmatites post-date metamorphism, with all primary igneous textures intact. They cross-cut the host rocks but despite their large size, the contact deformation and metasomatism of the host rocks by the intrusion of the pegmatites seems minor. The absence of significant deformation of the schistosity of the host rocks implies that the pegmatites intruded brittle rocks. The pegmatites constitute a pegmatite swarm in which the largest pegmatites have an apparent en-echelon arrangement in a linear zone more than 12 km long. The pegmatites are exposed in two areas; Manono in the northeast, and Kitotolo in the southwest. These areas are separated by a 2.5 km section of alluvium-filled floodplain which contains Lake Lukushi. At least one large pegmatite extends beneath the floodplain. The pegmatites are members of the LCT-Rare Element group of pegmatites and within the pegmatite swarm there are LCT albite-spodumene pegmatites and LCT Complex (spodumene sub-type) pegmatites.

Criteria	JORC Code explanation	Commentary
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 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.	See table for collar, survey and assay data.
Data aggregation methods	- In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. 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 aggregations should be shown in detail. - The assumptions used for any reporting of metal equivalent values should be clearly stated.	- Intersections are reported as length-weighted grades within the logged pegmatite. - No grade truncations were applied. - The majority of samples were taken at 1 m lengths. - No equivalent values are used or reported.
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 (e.g. 'down hole length, true width not known').	- The majority of samples were taken at 1 m lengths. - There is no relationship between mineralisation width and grade. - The geometry of the mineralisation is reasonably well understood however the pegmatite is not of uniform thickness nor orientation. Consequently, most drilling intersections do not represent the exact true thickness of the intersected pegmatite, although intersections are reasonably close to true thickness in most cases.
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 of drill hole collar locations and appropriate sectional views.	The relevant plans and sections are included in this document.
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.	All pegmatite intersections for holes CDL21DD001, CDL21DD002, CDL21DD003 and CDL21DD004 are reported.
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 deleterious or contaminating substances.	No other exploration data is available.

Criteria	JORC Code explanation	Commentary
Further work	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	Diamond drill testing of the identified priority targets will be on-going.