Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :0.00

Segment End Depth :152.57

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25													
25														
50														
75								Qal	Qal					
100														
125														
150														

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :152.57

Segment End Depth :305.14

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25													
175														
200														
225								Qal	Qal					
250														
275														
300														

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :305.14

Segment End Depth :457.71

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25													
325														
350														
375								Qal	Qal					
400														
425														
450														

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :457.71

Segment End Depth :610.28

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25													
475														
500														
525								Qal	Qal					
550														
575														
600														

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :610.28

Segment End Depth :762.84

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25							Qal	Qal					
625							Tg	Me	M	Fine to medium-grained, white to medium gray colored massive marble. Containspervasive zones of medium to dark brown garnetite alteration (up to 75%). Garnetite locally can have trace visible copper oxides (chrysacolla). Contains sections of up to 10 feet of coarse grained, white pure limestone/marble.	0.07	0.04		0.001
											0.03	0.03		0.001
											0.27	0.25		0.009
											0.27	0.25		0.009
650		BC												
		FLT									0.02	0.02		0.001
											0.2	0.18		0.003
675											0.53	0.48		0.003
											0.07	0.06		0.003
											0.03	0.02		0.002
700											0.64	0.52		0.008
		BC									0.64	0.52		0.008
		FLT									0.64	0.52		0.008
											1.15	1		0.01
											1.15	1		0.01
											0.63	0.57		0.003
725											0.63	0.57		0.003
											0.36	0.21		0.003
											0.36	0.21		0.003
											0.36	0.21		0.003
											0.36	0.21		0.003
											0.69	0.59		0.004
											0.69	0.59		0.004
											0.69	0.59		0.004
750											0.02	0.02		0.001
											0.12	0.11		0.003

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51 | Date: 10 August 11

Segment Start Depth :762.84 | Segment End Depth :915.41 | End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25										0.12	0.11		0.003
775											0.26	0.25		0.002
							Tg	Me	M	Fine to medium-grained, white to medium gray colored massive marble. Containspervasive zones of medium to dark brown garnetite alteration (up to 75%). Garnetite locally can have trace visible copper oxides (chrysacolla). Contains sections of up to 10 feet of coarse grained, white pure limestone/marble.	0.26	0.25		0.002
											0.16	0.13		0.001
800											0.16	0.13		0.001
											0.77	0.71		0.002
		BC									0.77	0.71		0.002
											0.14	0.12		0.001
				BED	60									
											0.15	0.13		0.007
825											0.15	0.13		0.007
											0.15	0.13		0.007
											0.8	0.74		0.004
											0.33	0.29		0.007
		BC									0.33	0.29		0.007
850		FLT												
											0.63	0.51		0.008
				BED	70		Tmlg	Dm	Lpm	Fine-grained medium gray limey dolomitic unit. Contains veins comprised primarily of calcite and garnet with variable garnet envelopes. Shows a distinct crenulated texture locally and some areas of fine mm scale banding.				
											0.07	0.04		0.004
		BC												
875											0.52	0.48		0.002
											0.82	0.74		0.013
		BC									0.75	0.67		0.005
											0.75	0.67		0.005
900														
				BED	80						0.45	0.39		0.002
											0.18	0.14		0.001

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :915.41

Segment End Depth :1067.98

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25										0.18	0.14		0.001
925											0.67	0.59		0.002
											1.2	1.09		0.005
											0.45	0.43		0.005
950														
											0.98	0.92		0.006
											0.13	0.11		0.003
975											0.24	0.2		0.001
		FLT									1.32	1.21		0.008
							Tmlg	Dm	Lpm	Fine-grained medium gray limey dolomitic unit. Contains veins comprised primarily of calcite and garnet with variable garnet envelopes. Shows a distinct crenulated texture locally and some areas of fine mm scale banding.	0.22	0.21		0.002
1000														
											0.22	0.21		0.002
											0.3	0.17		0.005
											0.1	0.03		0.001
1025											0.26	0.06		0.04
											0.08	0.01		0.003
											0.32	0.2		0.008
1050														
											0.12	0.07		0.008
											0.12	0.07		0.008
				BED	30						0.04	0.03		0.003

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51 | Date: 10 August 11

Segment Start Depth :1067.98 | Segment End Depth :1220.55 | End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	25 50 75	FLTG									0.04	0.03		0.003
1075		BC									0.08	0.06		0.003
											0.36	0.32		0.004
		BC									0.32	0.26		0.02
1100											0.32	0.26		0.02
							Tmlg	Dm	Lpm	Fine-grained medium gray limey dolomitic unit. Contains veins comprised primarily of calcite and garnet with variable garnet envelopes. Shows a distinct crenulated texture locally and some areas of fine mm scale banding.	0.45	0.39		0.011
											0.17	0.13		0.016
1125											0.29	0.15		0.031
		BC									0.39	0.23		0.017
											0.35	0.18		0.038
1150											0.28	0.24		0.005
											0.23	0.19		0.016
1175											0.24	0.21		0.01
		BC					Td	Cau	T	Alternating white and green tactite (diopside/actinolite/tremolite). Calcite and quartz veins are common with trace rhodonite/thulite and pervasive medium brown to black pyrolusite. Caclite + quartz veins commonly have mm to cm scale dark green selvages. Trace epidote in veins.	0.17	0.13		0.004
											0.09	0.08		0.007
1200				BED	45						0.46	0.4		0.004
		BC												
				BED	47.5						0.39	0.28		0.028
											0.39	0.28		0.028

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :1220.55

Segment End Depth :1373.12

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
1225	75 50 25										0.58	0.19		0.01
											0.58	0.19		0.01
											0.75	0.11		0.064
											0.65	0.05		0.029
1250											0.5	0.07		0.026
				BED	45						0.69	0.08		0.011
1275											0.26	0.03		0.007
											0.31	0.03		0.021
		FLTG									0.5	0.03		0.028
1300				BED	35		Td	Cau	T	Alternating white and green tactite (diopside/actinolite/tremolite). Calcite and quartz veins are common with trace rhodonite/thulite and pervasive medium brown to black pyrolusite. Caclite + quartz veins commonly have mm to cm scale dark green selvages. Trace epidote in veins.	0.5	0.03		0.028
											0.27	0.03		0.01
											0.4	0.01		0.005
1325				BED	20						0.36	0.02		0.025
											1.51	0.02		0.02
											0.27	0.01		0.134
1350				BED	45						0.06	0.01		0.03
											0.19	0.02		0.019
											0.67	0.03		0.072

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :1373.12

Segment End Depth :1525.69

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25										0.67	0.03		0.072
		BC									0.42	0.01		0.113
							Td	Cau	T	Alternating white and green tactite (diopside/actinolite/tremolite). Calcite and quartz veins are common with trace rhodonite/thulite and pervasive medium brown to black pyrolusite. Caclite + quartz veins commonly have mm to cm scale dark green selvages. Trace epidote in veins.	0.09	0.02		0.01
1400				BED	35						0.42	0.03		0.02
											0.02	0.01		0.02
											0.16	0.01		0.02
											0.16	0.01		0.02
1425											0.16	0.01		0.02
											0.42	0.02		0.032
				BED	40						0.15	0.02		0.007
1450											0.11	0.01		0.03
							Tg	Cam	Tg	Alternating garnetite/limestone that is fine-to medium grained. Garnetite is 70% or greater in comparison to tactite. Rock can vary in color from cream-grey-green to dark-brown-red. Veinlets of calcite and magnetite are common	0.14	0.01		0.033
1475											0.53	0.02		0.003
											0.75	0.02		0.117
											0.14	0.01		0.151
1500				BED	75						0.08	0.01		0.01
											0.08	0.01		0.01
		BC									0.21	0.05		0.008
		FLTG									0.21	0.05		0.008
1525											0.24	0.08		0.008

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :1525.69

Segment End Depth :1678.26

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25	FLTG									0.24	0.08		0.008
											0.08	0.01		0.003
				BED	30		Tg	Cam	Tg	Alternating garnetite/limestone that is fine-to medium grained. Garnetite is 70% or greater in comparison to tactite. Rock can vary in color from cream-grey-green to dark-brown-red. Veinlets of calcite and magnetite are common	0.09	0.01		0.022
											0.09	0.01		0.022
-1550											0.23	0.01		0.097
		BC									0.23	0.01		0.097
				BED	40						0.16	0.01		0.04
											0.18	0.03		0.04
-1575				BED	50						0.18	0.03		0.04
											0.2	0.005		0.021
		BC									0.19	0.005		0.01
-1600				BED	40						0.19	0.005		0.041
											0.19	0.001		0.04
							Htl	Cal	Hb	Fine-grained green to dark brown/black hornfels. The unit is banded on a mm to cm scale, shown in alternating medium green and dark brown colors. Abundant white quartz-calcite veinlets to veins.	0.39	0.01		0.004
-1625											0.39	0.01		0.004
											0.35	0.01		0.03
											0.35	0.01		0.03
											0.15	0.005		0.013
-1650		BC									0.18	0.005		0.018
											0.18	0.005		0.018
											0.13	0.005		0.038
											0.13	0.005		0.038
-1675											0.39	0.01		0.105

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51 | Date: 10 August 11

Segment Start Depth :1678.26 | Segment End Depth :1830.83 | End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	75 50 25										0.39	0.01		0.105
											0.43	0.01		0.03
											0.25	0.01		0.031
1700											0.14	0.02		0.023
				BED							0.17	0.005		0.01
1725				BED	60						0.89	0.01		0.013
											0.05	0.005		0.001
											0.07	0.005		0.005
				BED	30						0.07	0.005		0.005
				BED	85									
1750				BED	45		Htl	Cal	Hb	Fine-grained green to dark brown/black hornfels. The unit is banded on a mm to cm scale, shown in alternating medium green and dark brown colors. Abundant white quartz-calcite veinlets to veins.	0.12	0.005		0.004
				BED	50						0.05	0.005		0.005
1775				BED	40						0.12	0.005		0.002
		BC									0.09	0.005		0.002
											0.07	0.005		0.001
1800				BED	45						0.11	0.005		0.006
											0.21	0.005		0.019
1825											0.07	0.005		0.005
											0.1	0.005		0.004

Scale 1" = 25'

Gunnison Project - 2011

Hole Name :CS-51

Date: 10 August 11

Segment Start Depth :1830.83

Segment End Depth :1983.40

End of hole Depth :1838.00

Depth	CoreLoss%	StrF	Value	SedF	Value	SG	AltC	FmC	RKC	Description	TCU%	ASCU%	CNCU%	MO%
	25 50 75						Htl	Cal	Hb	Fine-grained green to dark brown/black hornfels. The unit is banded on a mm to cm scale, shown in alternating medium green and dark brown colors. Abundant white quartz-calcite veinlets to veins.	0.1	0.005		0.004

1850

1875

1900

1925

1950

1975

Scale 1" = 25'