

Appendix 5
Block Model Details

Table 2 – Block Model Summary

Comstockv3.mdl

Type	Y	X	Z
Minimum Coordinates	5360500	357550	250
Maximum Coordinates	5360730	357650	300
User Block Size (m)	10	10	10
Min. Block Size (m)	2.5	2.5	2.5
Rotation	0	0	0

Total Blocks	2991
Storage Efficiency %	95.93

Attribute Name	Type	Decimals	Background	Description
ads20_id	Real	3	-99	Average distance to samples used in 20m search
ads_id	Real	3	-99	Average distance to samples used in 25m search
ag	Real	2	-9999	Silver with 30m search radius
ag20m	Real	1	-9999	Silver with 20m search radius
ag25m	Real	1	-9999	Silver with 25m search radius
agcs	Real	2	-9999	Silver with the Channel samples
calcsg	Calculate d	-	-	Specific Gravity (2.6 base SG) $(fe*0.1071)+(pb*0.0855)+(zn*0.0632)+((100-((fe*2.1413)+(pb*1.1547)+(zn*1.561))))*0.026)$
calcv2sg	Calculate d	-	-	Specific Gravity (2.75 base SG) $(fe*0.1071)+(pb*0.0855)+(zn*0.0632)+((100-((fe*2.1413)+(pb*1.1547)+(zn*1.561))))*0.0275)$
dns20_id	Real	3	-99	Distance to nearest sample for 20m search radius
dns_id	Real	3	-99	Distance to nearest sample for 25m search radius
fe	Real	2	-9999	Iron with 30m search radius
fe20m	Real	2	-9999	Iron with 20m search radius
fe25m	Real	2	-9999	Iron with 25m search radius
fecs	Real	2	-9999	Iron with 30m radius with channel samples
nos	Integer	-	-99	Number of samples in 25m search
num	Integer	-	-99	Number samples with 20m radius

Attribute Name	Type	Decimals	Background	Description
pb	Real	2	-9999	Lead with 30m search radius
pb20m	Real	2	-9999	Lead with 20m search radius
pb25m	Real	2	-9999	Lead with 25m search radius
pbcsc	Real	2	-9999	Lead with 30m search radius and channel samples
rescat	Calculate d	-	-	iif(dns_id>0 and dns_id<=10,1,iif(dns_id>10 and dns_id<=25,2,iif(dns_id>25 and dns_id<=100,3,4)))
rescat2v	Calculate d	-	-	iif(dns_id>0 and dns_id<=5,1,iif(dns_id>5 and dns_id<=20,2,iif(dns_id>20 and dns_id<=100,3,4)))
sg	Real	2	3.3	Default SG value
sgcs	Real	2	3.3	Default SG value with channel samples
zn	Real	2	-9999	Zinc with 30m search radius
zn20m	Real	2	-9999	Zinc with 30m search radius
zn25m	Real	2	-9999	Zinc with 30m search radius
zn_cut30	Real	2	-9999	Zinc with 30m search radius
zn_diff	Calculate d	-	-	Difference between with and without channel samples zncs-zn
zncs	Real	2	-9999	Zinc with 30m search radius and channel samples included

Block Model Estimation Parameters

Interpolation Method: INVERSE DISTANCE SQUARED

MODEL NAME: comstockv3.mdl

CONSTRAINT VALUES USED

Data Constraints

Unconstrained

Model Constraints

a. INSIDE 3DM allisonoremodified 510

Keep blocks partially in the constraint: False

SEARCH PARAMETERS

ELLIPSOID SEARCH PARAMETERS

ANGLES OF ROTATION OF THE MAJOR AXIS

Bearing 0.00

Dip angle 0.00

Tilt angle 0.00

ANISOTROPY FACTORS

Semi-major axis 1.00

Minor axis 1.00

OTHER INTERPOLATION PARAMETERS

Max search distance of major axis 25.000

Max vertical search distance 9999.000

Maximum number of informing samples 15

Minimum number of informing samples 3

