

BLUFF (b) P<sub>x</sub>

	F <sub>s</sub>	W <sub>0</sub>
dig.	19.2	1.3
JV	0.4	1.3

N=17

F<sub>s</sub> 18.9  
W<sub>0</sub> 1.7

F<sub>s</sub> 19.5  
W<sub>0</sub> 1.3

Fs 19.5  
W 1.5

Fs 19.5  
W 1.5

ITEM	QTY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL	DISCOUNT
1	2794	1071.04	2992.48	1.2585	3005.03	0.0
2	4705	116.70	5492.85	2.2456	5717.41	0.0
3	2877	104.79	3014.13	1.2585	3026.71	0.0
4	2422	1010.17	2446.41	1.0000	2446.41	0.0
5	5000	26.00	130.00	0.0000	130.00	0.0
6	1117	40.00	4468.00	1.0000	4468.00	0.0

ITEM	QTY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL	DISCOUNT
CA 1	1.0000	0.000	0.000	0.000	0.000	0.000
FE 1	1.5000	10.000	15.000	0.000	15.000	0.000
WA 1	0.0000	0.000	0.000	0.000	0.000	0.000
WT 1	1.0000	10.000	10.000	0.000	10.000	0.000
WD 1	1.0000	10.000	10.000	0.000	10.000	0.000
AL 1	0.0100	0.000	0.000	0.000	0.000	0.000
TOTAL			101.000		(101.000)	

Fs 19.2  
Wo 1.3

Label: 3147 (P) FX  
11/17/76, 11/24/77, 11/27/78

ITEM	QTY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL	DISCOUNT
1	1000	100.00	100.00	1.0000	101.00	0.0
2	2000	200.00	400.00	2.0000	402.00	0.0
3	3000	300.00	900.00	3.0000	903.00	0.0
4	4000	400.00	1600.00	4.0000	1604.00	0.0
5	5000	500.00	2500.00	5.0000	2505.00	0.0
6	6000	600.00	3600.00	6.0000	3606.00	0.0
TOTAL			10000.00		(10000.00)	

Label: 3147 (P) FX  
11/17/76, 11/24/77, 11/27/78

ITEM	QTY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL	DISCOUNT
1	2794	1071.04	2992.48	1.2585	3005.03	0.0
2	4705	116.70	5492.85	2.2456	5717.41	0.0
3	2877	104.79	3014.13	1.2585	3026.71	0.0
4	2422	1010.17	2446.41	1.0000	2446.41	0.0
5	5000	26.00	130.00	0.0000	130.00	0.0
6	1117	40.00	4468.00	1.0000	4468.00	0.0

ITEM	QTY	UNIT	DESCRIPTION	PRICE	TOTAL
1	100	EA	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...
9	...	...	...	...	...
10	...	...	...	...	...
TOTAL					100.00

Fs 18.4  
Wo 1.6

GROUP 1: 01

100% SUFF (B) 74  
Y=100%, X=74%, Z=200%

ITEM	QTY	UNIT	DESCRIPTION	PRICE	TOTAL
1	100	EA	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...
9	...	...	...	...	...
10	...	...	...	...	...
TOTAL					100.00

Fs 19.6  
Wo 0.7

GROUP 1: 01

100% SUFF (B) 74  
Y=100%, X=74%, Z=200%

ITEM	QTY	UNIT	DESCRIPTION	PRICE	TOTAL
1	100	EA	...	...	...
2	...	...	...	...	...
3	...	...	...	...	...
4	...	...	...	...	...
5	...	...	...	...	...
6	...	...	...	...	...
7	...	...	...	...	...
8	...	...	...	...	...
9	...	...	...	...	...
10	...	...	...	...	...
TOTAL					100.00

Fs 19.2  
WL

ST	FEW	WMA	W/731	W/731	W/731	W/731	W/731
ST	1.0000	26.000	0.000	0.000	0.000	0.000	0.000
FE	1.0000	18.000	0.000	0.000	0.000	0.000	0.000
CA	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
NO		0.000	0.000	0.000	0.000	0.000	0.000
NY		0.000	0.000	0.000	0.000	0.000	0.000
AL		0.000	0.000	0.000	0.000	0.000	0.000
TOTAL		101.000					

WMA: 26.000 (10) TOWNS  
 W/731: 18.000 (10) TOWNS

ST	FEW	WMA	W/731	W/731	W/731	W/731	W/731
ST	27748	10170.44	91.61	0.0000	0.0000	0.0	
FE	48000	100.00	0.71	0.0000	0.0000	0.0	
CA	26000	100.00	0.71	0.0000	0.0000	0.0	
NO	38016	2512.10	21.63	0.0000	0.0000	0.0	
NY	50001	25.00	0.21	0.0000	0.0000	0.0	
AL	32475	74.00	0.64	0.0000	0.0000	0.0	

ST	FEW	WMA	W/731	W/731	W/731	W/731	W/731
ST	1.0000	0.000	0.000	0.000	0.000	0.000	0.000
FE	1.0000	18.000	0.000	0.000	0.000	0.000	0.000
CA	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
NO	1.0000	25.000	0.000	0.000	0.000	0.000	0.000
NY	1.0000	25.000	0.000	0.000	0.000	0.000	0.000
AL	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL		101.000					

Fs 19.5  
 Wo 113

WMA: 26.000 (10) TOWNS  
 W/731: 18.000 (10) TOWNS

ST	FEW	WMA	W/731	W/731	W/731	W/731	W/731
ST	27748	10170.44	91.61	0.0000	0.0000	0.0	
FE	48000	100.00	0.71	0.0000	0.0000	0.0	
CA	26000	100.00	0.71	0.0000	0.0000	0.0	
NO	38016	2512.10	21.63	0.0000	0.0000	0.0	
NY	50001	25.00	0.21	0.0000	0.0000	0.0	
AL	32475	74.00	0.64	0.0000	0.0000	0.0	

ST	FEW	WMA	W/731	W/731	W/731	W/731	W/731
ST	1.0000	0.000	0.000	0.000	0.000	0.000	0.000
FE	1.0000	18.000	0.000	0.000	0.000	0.000	0.000
CA	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
NO	1.0000	25.000	0.000	0.000	0.000	0.000	0.000
NY	1.0000	25.000	0.000	0.000	0.000	0.000	0.000
AL	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL		101.000					

Fs 18.8  
 Wo 10

POINT # : 28

Label: BLUFF (B) OL  
X= 7663, Y= 5432, Z= 2747.

30 30 30 30 30

BLUFF (B) OL

I.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG I	BEAM
							23.4
	48086.	991.29	6.10	1.28680	0.18790	0.9	
	27748.	6799.57	63.40	0.98069	0.12808	0.3	
	38370.	27.03	14.21	0.00462	0.00062	9.7	
	38517.	7175.31	65.21	0.87729	0.13156	0.3	
	52201.	24.13	5.24	0.02044	0.00285	5.7	

$\bar{X} = 23.3$

$\sigma = 0.4$

$N = 20$

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9807	17.853	5.9560	SiO2	38.193	0.122
MG :	0.8773	23.942	9.2279	MGO	39.697	0.130
FE :	1.2868	16.604	2.7858	FeO	21.361	0.188
CA :	0.0046	0.069	0.0161	CaO	0.096	0.009
MN :	0.0204	0.345	0.0588	MNO	0.445	0.026
O :		40.980	24.0000			
TOTAL :		99.792			99.792	
ITERATION :		4				

Fa<sub>23.2</sub>

POINT # : 29

Label: BLUFF (B) OL  
X= 9093, Y= 5003, Z= 2747.

30 30 30 30 30

I.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG I	BEAM
							29.4
	48086.	991.66	7.20	1.28593	0.13781	0.9	
	27748.	6754.67	67.51	0.98237	0.12830	0.3	
	38370.	24.43	16.19	0.00297	0.00040	15.0	
	38517.	7160.63	69.61	0.87573	0.13129	0.3	
	52201.	24.43	6.42	0.01945	0.00371	6.2	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9824	17.882	5.9673	SiO2	38.235	0.122
MG :	0.8737	23.900	9.2143	MGO	39.631	0.117
FE :	1.2859	16.593	2.7847	FeO	21.347	0.187
CA :	0.0080	0.044	0.0103	CaO	0.062	0.009
MN :	0.0195	0.326	0.0569	MNO	0.424	0.026
O :		40.969	24.0000			
TOTAL :		99.719			99.719	
ITERATION :		0				

Fa<sub>23.2</sub>

POINT # : 30

Label: BLUFF (B) OL  
X=10674, Y= 5017, Z= 2743.

30 30 30 30 30

PEAK POS.	PKM (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	SEAM
27748.	6707.32	65.61	0.97569	0.12743	0.3	
48086.	993.74	8.30	1.28720	0.13774	0.9	
38370.	26.30	14.99	0.00409	0.00085	11.2	
38517.	7101.38	67.21	0.87166	0.13059	0.3	
52201.	26.37	6.25	0.02167	0.00302	5.9	

29.4

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9757	17.765	5.9345	SiO2	38.006	0.121
MG :	0.8717	23.798	9.2146	MGO	39.459	0.119
FE :	1.2872	15.609	2.7996	FeO	21.367	0.189
CA :	0.0041	0.061	0.0143	CaO	0.085	0.010
MN :	0.0316	0.365	0.0625	MNO	0.471	0.036
		10.790	24.0000			
TOTAL :		55.389			99.389	
ITERATION :		0				

Fa<sub>23.3</sub>

POINT # : 31  
 Label: BLUFF (B) DL  
 X=12483, Y= 5759, Z= 2736.

PEAK POS.	PKM (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	SEAM
27748.	6722.14	65.41	0.97765	0.12769	0.3	
48086.	997.29	8.90	1.29334	0.13960	0.9	
38370.	26.33	16.28	0.00363	0.00049	12.5	
38517.	7110.91	69.11	0.86993	0.15029	0.3	
52201.	25.53	6.11	0.02101	0.00293	5.9	

29.4

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9777	17.800	5.9621	SiO2	38.079	0.123
MG :	0.8699	23.754	9.1916	MGO	39.386	0.119
FE :	1.2923	16.686	2.8108	FeO	21.466	0.189
CA :	0.0036	0.054	0.0127	CaO	0.076	0.009
MN :	0.0210	0.254	0.0607	MNO	0.457	0.027
		10.814	24.0000			
TOTAL :		99.465			99.465	
ITERATION :		0				

Fa<sub>23.4</sub>

POINT # : 32  
 Label: BLUFF (B) DL  
 X=12437, Y= 9937, Z= 2710.

PEAK POS.	PKM (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	SEAM
27748.	6694.04	63.51	0.97404	0.12722	0.3	
48086.	965.33	8.93	1.34990	0.13388	0.7	
38370.	21.94	16.30	0.00542	0.00079	9.1	
38517.	7197.23	60.81	0.88058	0.15213	0.3	
52201.	24.80	5.70	0.02066	0.00288	5.8	

29.4

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9740	17.732	5.9472	SiO2	38.944	0.121

0.0000	24.026	9.090	99.836	0.121
1.2493	16.183	2.7204	20.785	0.185
0.0054	0.081	0.0189	0.113	0.010
0.0307	0.348	0.0397	0.430	0.028
0	40.773	24.0000		

Fa22.6

TOTAL : 99.098 99.098  
ITERATION : 0

POINT # : 33

Label: BLUEF (8) DL  
X=12502, Y=11484, Z= 2701.

30 30 30 30 30

PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG X	BEAM
						29.3
27748.	6691.98	64.81	0.97375	0.13718	0.3	
48086.	989.89	8.50	1.28217	0.13740	0.9	
38370.	26.20	16.62	0.00345	0.00047	13.1	
38517.	7093.70	66.31	0.86731	0.14983	0.3	
52201.	24.07	5.75	0.01982	0.00276	6.0	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9737	17.792	5.9640	SiO2	39.933	0.121
MG :	0.8673	23.687	9.2037	MGO	39.375	0.119
FE :	1.3822	16.546	2.7987	FeO	21.286	0.188
CA :	0.0025	0.051	0.0171	CaO	0.071	0.009
MN :	0.0198	0.334	0.0575	MNO	0.432	0.026
O		40.647	24.0000			
TOTAL :		98.997			98.997	
ITERATION :		0				

Fa23.3

POINT # : 34

Label: BLUEF (8) DL  
X=12706, Y=13107, Z= 2694.

30 30 30 30 30

PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG X	BEAM
						29.4
48086.	978.28	9.00	1.26589	0.13566	0.9	
27748.	6725.69	72.61	0.97719	0.12763	0.3	
38370.	28.20	16.48	0.00437	0.00057	11.2	
38517.	7163.86	70.11	0.87519	0.15119	0.3	
52201.	25.19	5.85	0.02082	0.00290	5.2	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9772	17.792	5.9619	SiO2	39.062	0.122
MG :	0.8752	23.888	9.2474	MGO	39.608	0.119
FE :	1.2659	16.341	2.7539	FeO	21.023	0.187
CA :	0.0042	0.063	0.0148	CaO	0.089	0.010
MN :	0.0208	0.351	0.0601	MNO	0.459	0.026
O		40.799	24.0000			
TOTAL :		99.235			99.235	
ITERATION :		0				

Fa22.9

POINT # : 35

Label: BLUEF (8) DL



30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							28.4
R	40086.	1002.07	8.00	1.39972	0.13929	0.9	
L	27748.	6729.67	63.81	0.97926	0.12790	0.1	
A	88370.	35.40	13.55	0.00279	0.00038	15.4	
G	38517.	7171.61	66.41	0.87659	0.15146	0.3	
N	52201.	25.70	7.27	0.01998	0.00278	5.1	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI	0.9793	17.020	5.9485	SI02	38.139	0.122
AL	0.9767	23.927	9.2226	MG0	59.672	0.190
FE	1.2997	16.766	2.8134	FE0	21.569	0.190
CA	0.0023	0.042	0.0097	CA0	0.058	0.009
MN	0.0193	0.336	0.0573	MNO	0.434	0.027
O		40.974	24.0000			
TOTAL :		99.873			89.873	
ITERATION :	0					

Fe<sub>23,4</sub>

POINT # : 26

Label: BLUFF (B) 01  
X=11646, Y=15224, Z=2680

30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							28.4
SI	27748.	2370.45	71.11	0.33780	0.04412	0.5	
AL	48086.	582.59	8.40	1.27256	0.13537	0.9	
CA	88370.	23.90	15.07	0.00282	0.00038	15.3	
MG	38517.	7214.76	65.91	0.98216	0.15240	0.3	
MN	52201.	25.37	5.29	0.02055	0.00286	6.1	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI	0.3378	6.369	3.0256	SI02	18.626	0.053
MG	0.9822	35.316	13.8939	MNO	41.976	0.126
FE	1.2726	16.565	3.9574	FE0	21.510	0.189
CA	0.0028	0.042	0.0107	CA0	0.059	0.009
MN	0.0205	0.348	0.0575	MNO	0.450	0.027
O		28.780	24.0000			
TOTAL :		77.421			77.421	
ITERATION :	4					

Comment: WHO KNOWS????

POINT # : 37

Label: BLUFF (B) 01  
X= 9447, Y=14817, Z= 2690

30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							28.4
AL	48086.	598.02	7.70	1.29009	0.13881	0.9	
SI	27748.	6771.22	66.89	0.98476	0.12882	0.3	
CA	88370.	28.19	14.25	0.00428	0.00057	19.9	
MG	38517.	7178.33	65.79	0.87750	0.15159	0.3	
MN	52201.	27.53	5.65	0.02209	0.00322	5.1	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9848	17.935	5.9635	SiO2	38.347	0.122
MO :	0.8775	23.980	9.2033	MOO	39.711	0.120
FE :	1.2934	16.683	2.7908	FE0	21.462	0.189
CA :	0.0049	0.063	0.0148	CAO	0.089	0.019
MN :	0.0231	0.389	0.0662	MNO	0.502	0.026
O		41.101	24.0000			

Fe<sub>23.3</sub>

TOTAL : 100.111 100.111  
ITERATION : 4

POINT # : 30

Label: BLUFF (B) OL  
X= 8394. Y=13499. Z= 2683.

30 30 30 30 30

I.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	STD E	PEAK
							39.4
SI	27748.	6738.10	66.31	0.98019	0.12801	0.2	
FE	48086.	980.69	9.90	1.26809	0.13390	0.9	
CA	38370.	25.93	13.58	0.00445	0.00060	10.0	
MO	38517.	7189.24	64.71	0.87902	0.15186	0.3	
MN	52201.	23.00	5.21	0.02141	0.00298	5.5	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9801	17.844	5.9395	SiO2	38.174	0.122
MO :	0.8790	23.989	9.2552	MOO	39.775	0.120
FE :	1.2681	16.365	2.7487	FE0	21.054	0.187
CA :	0.0045	0.066	0.0155	CAO	0.090	0.009
MN :	0.0214	0.261	0.0616	MNO	0.466	0.026
O		40.936	24.0000			

Fe<sub>22.9</sub>

TOTAL : 99.562 99.562  
ITERATION : 8

POINT # : 30

Label: BLUFF (D) OL  
X= 7442. Y=13161. Z= 2695.

30 30 30 30 30

I.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	STD E	PEAK
							39.4
SI	27748.	6712.76	65.01	0.97640	0.12752	0.2	
FE	48086.	1012.79	7.89	1.31250	0.14065	0.9	
CA	38370.	25.39	15.47	0.00378	0.00051	12.1	
MO	38517.	7190.92	65.81	0.86646	0.14969	0.3	
MN	52201.	26.57	5.29	0.02312	0.00322	5.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9764	17.779	5.9554	SiO2	38.035	0.121
MO :	0.8665	23.668	9.1886	MOO	39.244	0.119
FE :	1.3125	15.923	2.6507	FE0	21.771	0.191
CA :	0.0038	0.056	0.0132	CAO	0.079	0.010
MN :	0.0231	0.330	0.0667	MNO	0.503	0.027
O		40.815	24.0000			

Fe<sub>23.7</sub>

TOTAL : 99.632 99.632  
ITERATION : 8

POINT # : 40

Label: BLUFF (B) DL  
X= 6759, Y=12042, Z= 2702.

30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG X	SEAN
							29.4
SI	27748.	6724.37	65.51	0.97806	0.12774	0.3	
FE	48086.	1010.17	9.20	1.30730	0.14010	0.9	
CA	38370.	32.30	15.11	0.00476	0.00064	9.6	
MG	38517.	7033.19	64.81	0.86713	0.14980	0.3	
MN	52201.	35.33	5.50	0.02253	0.00314	5.4	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9781	17.808	5.9609	SiO2	38.037	0.122
MG :	0.8671	23.685	9.1538	MGO	39.272	0.119
FE :	1.3073	16.857	2.8277	FeO	21.687	0.191
CA :	0.0048	0.071	0.0156	CaO	0.099	0.009
MN :	0.0225	0.380	0.0850	MNO	0.490	0.037
O		40.844	24.0000			

TOTAL : 99.646 99.646  
ITERATION : 0

Fa<sub>23.7</sub>

POINT # : 41

Label: BLUFF (B) DL  
X= 6896, Y= 6294, Z= 2736.

30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG X	SEAN
							39.3
SI	27748.	5710.30	64.01	0.97647	0.12753	0.3	
FE	48086.	995.81	7.70	1.29084	0.13833	0.9	
CA	38370.	25.83	15.02	0.00390	0.00053	11.3	
MG	38517.	7134.95	63.41	0.87268	0.15076	0.3	
MN	52201.	35.57	5.37	0.02185	0.00305	5.5	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9765	17.781	5.9525	SiO2	38.038	0.121
MG :	0.8727	23.827	9.2150	MGO	39.507	0.119
FE :	1.2908	16.651	2.8034	FeO	21.421	0.189
CA :	0.0039	0.058	0.0136	CaO	0.081	0.009
MN :	0.0218	0.368	0.0630	MNO	0.476	0.026
O		42.238	24.0000			

TOTAL : 99.323 99.323  
ITERATION : 0

Fa<sub>23.3</sub>

POINT # : 42

Label: BLUFF (B) DL  
X= 6980, Y= 5990, Z= 2743.

30 30 30 30 30

LT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG X	SEAN
							39.4
SI	27748.	6724.61	7.81	0.97784	0.12771	0.3	
FE	48086.	1013.52	5.00	1.31197	0.14060	0.9	

38517. 7032.88 66.51 0.8364 0.14801 0.3  
 52201. 27.17 5.18 0.02272 0.00231 5.3

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9778	17.804	5.9778	SiO2	38.089	0.122
MG :	0.9596	23.494	9.1123	MGO	38.955	0.110
FE :	1.3120	16.912	2.8263	FE0	21.752	0.192
CA :	0.0020	0.033	0.0070	CaO	0.042	0.008
MN :	0.0227	0.490	0.0686	MNO	0.518	0.027
O		40.722	24.0000			
TOTAL :		99.364			99.364	
ITERATION :	0					

Fe<sub>23.9</sub>

POINT # : 43

Label: BLUFF (B) DL  
 X= 7118, Y= 4019, Z= 2755.

30 30 30 30 30

PT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	%RATIO	SIG X	PEAK
							29.4
SI	27748.	6738.03	63.41	0.98030	0.12803	0.3	
FE	48086.	1004.93	7.50	1.30125	0.13945	0.9	
CA	38370.	29.94	15.18	0.00521	0.00070	9.1	
MG	38517.	7108.07	68.61	0.86843	0.15003	0.3	
MN	52201.	26.17	5.18	0.02270	0.00316	5.4	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9803	17.848	5.9670	SiO2	38.181	0.122
MG :	0.8684	23.731	9.1609	MGO	39.327	0.110
FE :	1.3013	16.782	2.8216	FE0	21.589	0.190
CA :	0.0052	0.078	0.0182	CaO	0.108	0.010
MN :	0.0227	0.383	0.0654	MNO	0.494	0.027
O		40.892	24.0000			
TOTAL :		99.700			99.700	
ITERATION :	0					

Fe<sub>23.5</sub>

POINT # : 41

Label: BLUFF (B) DL  
 X= 7066, Y= 3717, Z= 1758.

30 30 30 30 30

PT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	%RATIO	SIG X	PEAK
							29.4
SI	27748.	6659.40	65.51	0.96852	0.12650	0.3	
FE	48086.	7037.44	7.50	1.33207	0.14275	0.9	
CA	38370.	27.73	14.89	0.00463	0.00062	9.0	
MG	38517.	6927.50	59.41	0.84736	0.14639	0.3	
MN	52201.	24.27	5.00	0.02084	0.00296	5.7	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI :	0.9685	17.642	5.9593	SiO2	37.741	0.121
MG :	0.8474	23.180	9.0511	MGO	38.123	0.117
FE :	1.3321	17.168	2.9217	FE0	22.086	0.194
CA :	0.0046	0.069	0.0163	CaO	0.096	0.010
MN :	0.0208	0.351	0.0608	MNO	0.454	0.026
O		40.401	24.0000			

Fe<sub>24.4</sub>



SI	27748.	6741.55	70.41	0.98019	0.12802	0.3
FE	48086.	995.15	9.20	1.38944	0.13818	0.9
CA	38370.	20.97	15.58	0.00194	0.00026	21.6
MG	38517.	7197.64	63.81	0.88043	0.15210	0.3
MN	52201.	25.63	6.28	0.02094	0.00292	5.9

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI	0.9802	17.846	5.9476	SiO2	38.177	0.122
MG	0.8804	24.025	9.2500	MGO	39.835	0.130
FE	1.2894	16.633	2.7879	FeO	21.399	0.189
CA	0.0019	0.029	0.0067	CaO	0.040	0.009
MN	0.0209	0.353	0.0602	MNO	0.456	0.027
O		41.021	24.0000			
TOTAL		99.906			99.906	
ITERATION		0				

Fe<sub>23.2</sub> BLUFF (B) OL

POINT # : 48

Label: BLUFF (B) OL  
X=10381. Y= 611. Z= 2771.

ELEMENT	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	FIG 1	BEAM
SI	30	30	30	30	30		
FE	48086.	995.04	8.90	1.28845	0.13808	0.9	29.3
SI	27748.	6674.68	65.91	0.97110	0.12683	0.3	
CA	38370.	25.00	14.58	0.00378	0.00051	11.7	
MG	38517.	7188.14	67.21	0.87891	0.15184	0.3	
MN	52201.	25.37	6.42	0.02050	0.00286	6.0	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
SI	0.9711	17.687	5.9237	SiO2	37.837	0.121
MG	0.8789	23.986	9.2806	MGO	39.771	0.120
FE	1.2885	16.621	2.7995	FeO	21.383	0.189
CA	0.0038	0.056	0.0132	CaO	0.079	0.009
MN	0.0205	0.346	0.0592	MNO	0.446	0.027
O		40.819	24.0000			
TOTAL		99.515			99.515	
ITERATION		0				

Fe<sub>23.2</sub>

Fe<sub>23.2</sub>