S-17-18

1932597 - R8 SEMS

S-17-18 Jan. 28, 1992 JR

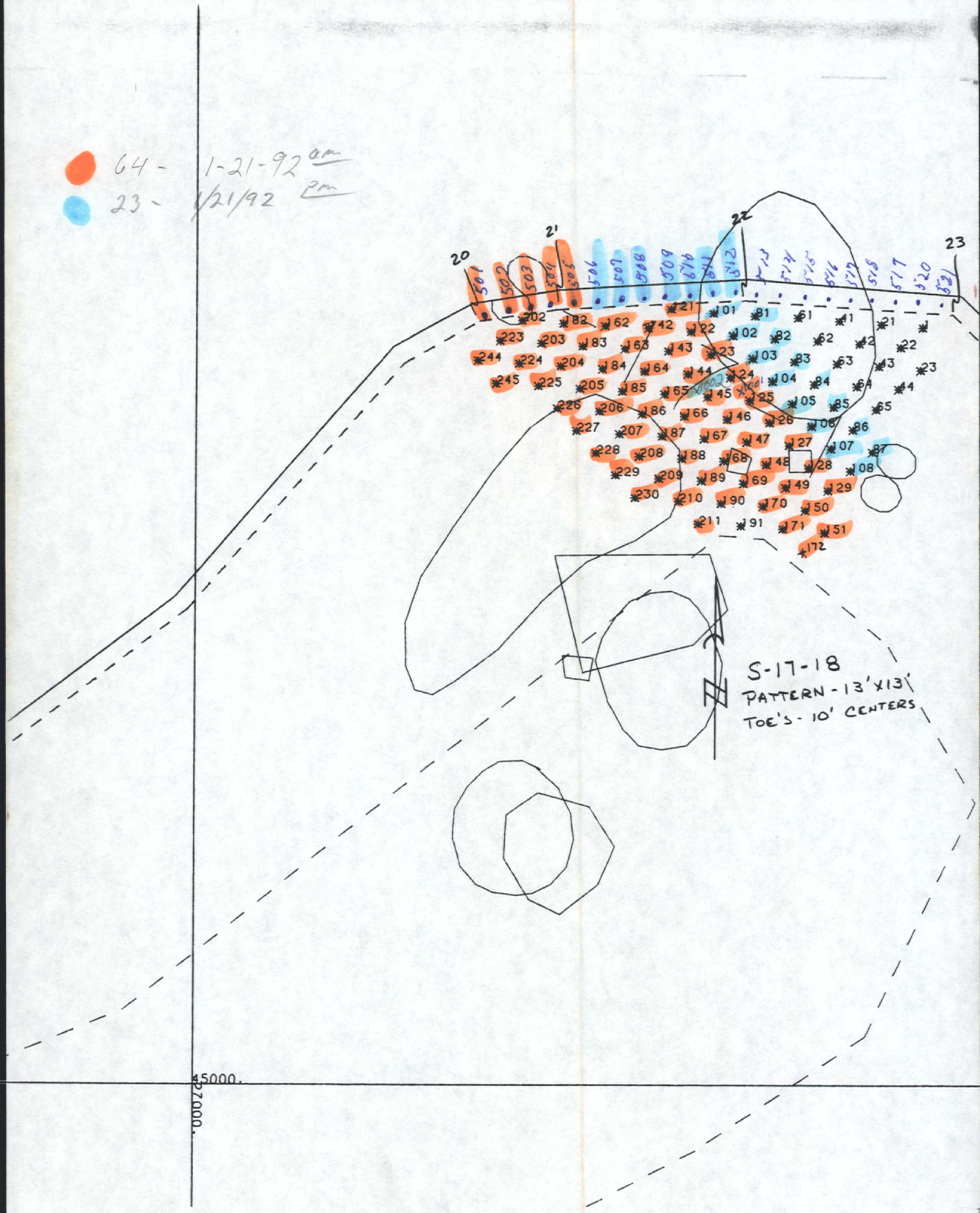
bench no	shot no	bh no	fire au	aa au	fire equiv (aa/ratio)	ore type	ratio	actual ratio (aa/fire)
		0						
0	11718	0			0.000		95.0%	
S17	18	1		34.000	40.476	2	84.0%	
S17	18	21		20.000	28.571	1	70.0%	
S17	18	22	11.000	8.000	11.000	1	100.0%	72.7%
S17	18	41		19.000	20.000	3	95.0%	
S17	18	42		25.000	26.316	3	95.0%	
S17	18	43	9.000	7.000	9.000	1	100.0%	77.8%
S17	18	44	16.000	14.000	16.000	3	100.0%	87.5%
S17	18	61		18.000	18.947	3	95.0%	
S17	18	62		27.000	28.421	3	95.0%	
S17	18	63		23.000	27.381	2	84.0%	
S17	18	64		22.000	26.190	2	84.0%	
S17	18	65		23.000	27.381	2	84.0%	
S17	18	81	22.000	18.000	22.000	2	100.0%	81.8%
S17	18	82	19.000	17.000	19.000	3	100.0%	89.5%
S17	18	83		36.000	37.895	3	95.0%	
S17	18	84		50.000	52.632	3	95.0%	
S17	18	85		54.000	56.842	3	95.0%	
S17	18	86		60.000	63.158	3	95.0%	
S17	18	87		60.000	66.667	2	90.0%	
S17	18	101	14.000	12.000	14.000	1	100.0%	85.7%
S17	18	102	13.000	10.000	13.000	2	100.0%	76.9%
S17	18	103		36.000	37.895	3	95.0%	
S17	18	104		23.000	24.211	3	95.0%	
S17	18	105		31.000	36.905	2	84.0%	
S17	18	106	17.000	14.000	17.000	2	100.0%	82.4%
S17	18	107		18.000	18.947	3	95.0%	
S17	18	108		22.000	23.158	3	95.0%	
S17	18	121	7.000	6.000	7.000	1	100.0%	85.7%
S17	18	122		10.000	14.286	1	70.0%	
S17	18	123		13.000	13.684	3	95.0%	
S17	18	124		10.000	10.526	3	95.0%	
S17	18	125		38.000	45.238	2	84.0%	
S17	18	126		29.000	34.524	2	84.0%	
S17	18	127	16.000	17.000	16.000	2	100.0%	106.3%
S17	18	128	18.000	17.000	18.000	2	100.0%	94.4%
S17	18	129	20.000	18.000	20.000	2	100.0%	90.0%
S17	18	142	16.000	15.000	16.000	2	100.0%	93.8%
S17	18	143	17.000	16.000	17.000	2	100.0%	94.1%
S17	18	144		21.000	25.000	2	84.0%	
S17	18	145		36.000	42.857	2	84.0%	
S17	18	146		23.000	27.381	2	84.0%	
S17	18	147		21.000	25.000	2	84.0%	
S17	18	148		23.000	24.211	3	95.0%	
S17	18	149		31.000	32.632	3	95.0%	
S17	18	150		41.000	43.158	3	95.0%	
S17	18	151		29.000	30.526	3	95.0%	
S17	18	162		20.000	28.571	1	70.0%	
S17	18	163	12.000	9.000	12.000	1	100.0%	75.0%
S17	18	164		10.000	14.286	1	70.0%	
S17	18	165		23.000	27.381	2	84.0%	
S17	18	166		16.000	16.842	3	95.0%	
S17	18	167		27.000	32.143	2	84.0%	

S17	18	168		82.000	91.111	2	90.0%	
S17	18	169		61.000	67.778	2	90.0%	
S17	18	170		23.000	27.381	2	84.0%	
S17	18	171	19.000	16.000	19.000	3	100.0%	84.2%
S17	18	172		22.000	23.158	3	95.0%	
S17	18	182		24.000	34.286	1	70.0%	
S17	18	183		34.000	48.571	1	70.0%	
S17	18	184	10.000	7.000	10.000	1	100.0%	70.0%
S17	18	185	9.000	8.000	9.000	1	100.0%	88.9%
S17	18	186	10.000	9.000	10.000	2	100.0%	90.0%
S17	18	187	11.000	9.000	11.000	2	100.0%	81.8%
S17	18	188	14.000	13.000	14.000	1	100.0%	92.9%
S17	18	189		33.000	39.286	2	84.0%	
S17	18	190		65.000	68.421	3	95.0%	
S17	18	202		43.000	51.190	2	84.0%	
S17	18	203		35.000	41.667	2	84.0%	
S17	18	204		80.000	88.889	2	90.0%	
S17	18	205		22.000	26.190	2	84.0%	
S17	18	206		29.000	30.526	3	95.0%	
S17	18	207		23.000	24.211	3	95.0%	
S17	18	208	15.000	14.000	15.000	3	100.0%	93.3%
S17	18	209	14.000	13.000	14.000	2	100.0%	92.9%
S17	18	210		37.000	38.947	3	95.0%	
S17	18	211		23.000	24.211	3	95.0%	
S17	18	223		48.000	57.143	2	84.0%	
S17	18	224		40.000	42.105	3	95.0%	
S17	18	225		46.000	48.421	3	95.0%	
S17	18	226		38.000	40.000	3	95.0%	
S17	18	227		27.000	28.421	3	95.0%	
S17	18	228		43.000	51.190	2	84.0%	
S17	18	229		36.000	42.857	2	84.0%	
S17	18	230	12.000	10.000	12.000	2	100.0%	83.3%
S17	18	244	19.000	16.000	19.000	3	100.0%	84.2%
S17	18	245		20.000	21.053	3	95.0%	
S17	18	501	10.000	9.000	10.000	2	100.0%	90.0%
S17	18	502	19.000	17.000	19.000	2	100.0%	89.5%
S17	18	503		110.000	122.222	2	90.0%	
S17	18	504		49.000	58.333	2	84.0%	
S17	18	505		40.000	57.143	1	70.0%	
S17	18	506	11.000	9.000	11.000	1	100.0%	81.8%
S17	18	507	18.000	15.000	18.000	1	100.0%	83.3%
S17	18	508		20.000	28.571	1	70.0%	
S17	18	509	7.000	5.000	7.000	1	100.0%	71.4%
S17	18	510	12.000	8.000	12.000	1	100.0%	66.7%
S17	18	511	12.000	10.000	12.000	1	100.0%	83.3%
S17	18	512	14.000	15.000	14.000	1	100.0%	107.1%
S17	18	513	16.000	13.000	16.000	2	100.0%	81.3%
S17	18	514	20.000	18.000	20.000	2	100.0%	90.0%
S17	18	515	14.000	11.000	14.000	2	100.0%	78.6%
S17	18	516	19.000	18.000	19.000	2	100.0%	94.7%
S17	18	517		21.000	22.105	3	95.0%	
S17	18	518		22.000	23.158	3	95.0%	
S17	18	519		23.000	24.211	3	95.0%	
S17	18	520		20.000	21.053	3	95.0%	
S17	18	521		39.000	41.053	3	95.0%	
S17	18	522		20.000	21.053	3	95.0%	

S17	18	1001			19.000	22.619	2	84.0%	
S17	18	1002			43.000	51.190	2	84.0%	
		mean	14.3784	25.8455		29.3815		92.2%	28.8%

64 - 1-21-92 am

23 - 1/21/92 pm



FIRE REQUEST SHEET

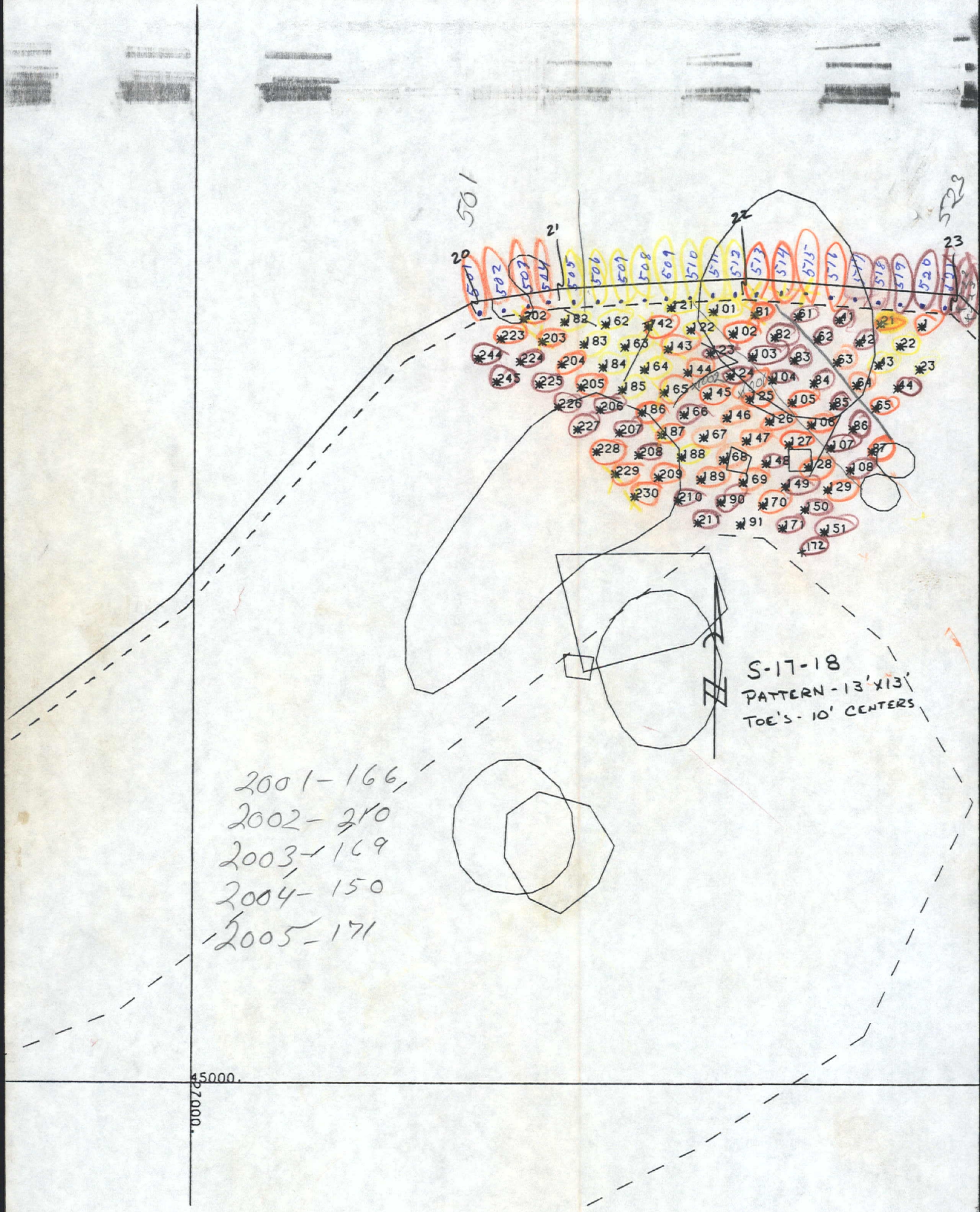
PATTERN S/17/18 DATE JAN/24/92

NO.	SULF	MIX	GRADE	NO.	SULF	MIX	GRADE	NO.	SULF	MIX	GRADE
22	X		.011	501		X	.010	13			
43	X		.009	502		X	.019	14			
44		0x4	.016	506	X		.011	15			
81		X	.022	507	X		.018	16			
82		0x7	.019	509	X		.007	17			
101	X		.014	510	X		.012	18			
102		X	.013	511	X		.012	19			
106		X	.017	512	X		.014	20			
121	X		.007	513		X	.016	21			
127		X	.016	514		X	.020	22			
128		X	.018	515		X	.014	23			
129		X	.020	516		X	.019	24			
142		X	.016					25			
143		X	.017	1				26			
163	X		.012	2				27			
171		0x4	.019	3				28			
184	X		.010	4				29			
185	X		.009	5				30			
186		X	.010	6				31			
187		X	.011	7				32			
188			.014	8				33			
208	X		.015	9				34			
209		X	.014	10				35			
230		X	.012	11				36			
244		0x4	.019	12				37			

FIRE REQUEST SHEET

PATTERN S/17/18 DATE JAN/24/92

NO.	SULF	MIX	GRADE	NO.	SULF	MIX	GRADE	NO.	SULF	MIX	GRADE
22	X			501		X		13			
43	X			502		X		14			
44		oxy		506	X			15			
81		X		507	X			16			
82		oxy		509	X			17			
101	X			510	X			18			
102		X		511	X			19			
106		X		512	X			20			
121	X			513		X		21			
127		X		514		X		22			
128		X		515		X		23			
129		X		516		X		24			
142		X						25			
143		X		1				26			
163	X			2				27			
171		oxy		3				28			
184	X			4				29			
185	X			5				30			
186		X		6				31			
187		X		7				32			
188				8				33			
208	X			9				34			
209		X		10				35			
230		X		11				36			
244		oxy		12				37			


501
502
20
21
22
23
S-17-18
PATTERN - 13'x13'
TOE'S - 10' CENTERS
2001 - 166
2002 - 210
2003 - 169
2004 - 150
2005 - 171
45000.
27000.

CHECKED AA'S OK
1/24/92

bench no	shot no	bh no	fire au	aa au	fire equiv (aa/ratio)	ore type	ratio	actual ratio (aa/fire)
		0						
0	11718	0			0.000		95.0%	
S17	18	1		34.000	40.476	2	84.0%	
S17	18	21		20.000	28.571	1	70.0%	
S17	18	22		8.000	11.429	1	70.0%	
S17	18	41		19.000	20.000	3	95.0%	
S17	18	42		25.000	26.316	3	95.0%	
S17	18	43		7.000	10.000	1	70.0%	
S17	18	44		14.000	14.737	3	95.0%	
S17	18	61		18.000	18.947	3	95.0%	
S17	18	62		27.000	28.421	3	95.0%	
S17	18	63		23.000	27.381	2	84.0%	
S17	18	64		22.000	26.190	2	84.0%	
S17	18	65		23.000	27.381	2	84.0%	
S17	18	81		18.000	21.429	2	84.0%	
S17	18	82		17.000	17.895	3	95.0%	
S17	18	83		36.000	37.895	3	95.0%	
S17	18	84		50.000	52.632	3	95.0%	
S17	18	85		54.000	56.842	3	95.0%	
S17	18	86		60.000	63.158	3	95.0%	
S17	18	87		60.000	66.667	2	90.0%	
S17	18	101		12.000	17.143	1	70.0%	
S17	18	102		10.000	11.905	2	84.0%	
S17	18	103		36.000	37.895	3	95.0%	
S17	18	104		23.000	24.211	3	95.0%	
S17	18	105		31.000	36.905	2	84.0%	
S17	18	106		14.000	16.667	2	84.0%	
S17	18	107		18.000	18.947	3	95.0%	
S17	18	108		22.000	23.158	3	95.0%	
S17	18	121		6.000	8.571	1	70.0%	
S17	18	122		10.000	14.286	1	70.0%	
S17	18	123		13.000	13.684	3	95.0%	
S17	18	124		10.000	10.526	3	95.0%	
S17	18	125		38.000	45.238	2	84.0%	
S17	18	126		29.000	34.524	2	84.0%	
S17	18	127		17.000	20.238	2	84.0%	
S17	18	128		17.000	20.238	2	84.0%	
S17	18	129		18.000	21.429	2	84.0%	
S17	18	142		15.000	17.857	2	84.0%	
S17	18	143		16.000	19.048	2	84.0%	
S17	18	144		21.000	25.000	2	84.0%	
S17	18	145		36.000	42.857	2	84.0%	
S17	18	146		23.000	27.381	2	84.0%	
S17	18	147		21.000	25.000	2	84.0%	
S17	18	148		23.000	24.211	3	95.0%	
S17	18	149		31.000	32.632	3	95.0%	
S17	18	150		41.000	43.158	3	95.0%	
S17	18	151		29.000	30.526	3	95.0%	
S17	18	162		20.000	28.571	1	70.0%	
S17	18	163		9.000	12.857	1	70.0%	
S17	18	164		10.000	14.286	1	70.0%	
S17	18	165		23.000	27.381	2	84.0%	
S17	18	166		16.000	16.842	3	95.0%	
S17	18	167		27.000	32.143	2	84.0%	

S17	18	168	82.000	91.111	2	90.0%
S17	18	169	61.000	67.778	2	90.0%
S17	18	170	23.000	27.381	2	84.0%
S17	18	171	16.000	16.842	3	95.0%
S17	18	172	22.000	23.158	3	95.0%
S17	18	182	24.000	34.286	1	70.0%
S17	18	183	34.000	48.571	1	70.0%
S17	18	184	7.000	10.000	1	70.0%
S17	18	185	8.000	11.429	1	70.0%
S17	18	186	9.000	10.714	2	84.0%
S17	18	187	9.000	10.714	2	84.0%
S17	18	188	13.000	18.571	1	70.0%
S17	18	189	33.000	39.286	2	84.0%
S17	18	190	65.000	68.421	3	95.0%
S17	18	202	43.000	51.190	2	84.0%
S17	18	203	35.000	41.667	2	84.0%
S17	18	204	80.000	88.889	2	90.0%
S17	18	205	22.000	26.190	2	84.0%
S17	18	206	29.000	30.526	3	95.0%
S17	18	207	23.000	24.211	3	95.0%
S17	18	208	14.000	14.737	3	95.0%
S17	18	209	13.000	15.476	2	84.0%
S17	18	210	37.000	38.947	3	95.0%
S17	18	211	23.000	24.211	3	95.0%
S17	18	223	48.000	57.143	2	84.0%
S17	18	224	40.000	42.105	3	95.0%
S17	18	225	46.000	48.421	3	95.0%
S17	18	226	38.000	40.000	3	95.0%
S17	18	227	27.000	28.421	3	95.0%
S17	18	228	43.000	51.190	2	84.0%
S17	18	229	36.000	42.857	2	84.0%
S17	18	230	10.000	11.905	2	84.0%
S17	18	244	16.000	16.842	3	95.0%
S17	18	245	20.000	21.053	3	95.0%
S17	18	501	9.000	10.714	2	84.0%
S17	18	502	17.000	20.238	2	84.0%
S17	18	503	110.000	122.222	2	90.0%
S17	18	504	49.000	58.333	2	84.0%
S17	18	505	40.000	57.143	1	70.0%
S17	18	506	9.000	12.857	1	70.0%
S17	18	507	15.000	21.429	1	70.0%
S17	18	508	20.000	28.571	1	70.0%
S17	18	509	5.000	7.143	1	70.0%
S17	18	510	8.000	11.429	1	70.0%
S17	18	511	10.000	14.286	1	70.0%
S17	18	512	15.000	21.429	1	70.0%
S17	18	513	13.000	15.476	2	84.0%
S17	18	514	18.000	21.429	2	84.0%
S17	18	515	11.000	13.095	2	84.0%
S17	18	516	18.000	21.429	2	84.0%
S17	18	517	21.000	22.105	3	95.0%
S17	18	518	22.000	23.158	3	95.0%
S17	18	519	23.000	24.211	3	95.0%
S17	18	520	20.000	21.053	3	95.0%
S17	18	521	39.000	41.053	3	95.0%
S17	18	522	20.000	21.053	3	95.0%

S17	18	1001		19.000	22.619	2	84.0%	
S17	18	1002		43.000	51.190	2	84.0%	
		mean	ERR	25.8455	29.7235		85.6%	0.0%