861220

ELK – THRESHOLDS CHOICE

SOIL SAMPLES

	Surface soil	Basal tills
Cu	Not clear, but curve erratic 45 to 65 ppm 30 to 11 %	120 ppm clear 10 %
Mo	Not clear, but v. slight change 7 to 9 ppm (use 10) 23% to 14%	Marked change 3.5 to 4.8 17% to 10%
Zn	105 ppm, fairly clear 7%	320 ppm clear 7%

Comments

- Background, 2ndy dispersions similar exc. for Cu.
- Till values higher, exc Mo
- Upper 10% considered since
  (a) large target type
  (b) dilution wide likely

FORMER ROCK SAMPLES

Not so clear in general. However, figure of Top 10% is

Cu	120
Mo	5
Zn	250
Ag	1·6
Pb	50
S	0·18

ELK   Mo in basal till

ND √√√√√√√√√√√√√√ (14)
1 √√√ (74)
2 √√ (58)
3 √√√√√√√√√√√√√√√√√√√√√ (21)
4 √√√√√√√√ (8)
5 √√√√ (4)
6 √√ (2)
7 (0)
8 √ (1)
9 √√ (2)
10 √√√√√ (5)
11 (0)
12 √ (1)
13
14
15
16
17
18
19
20

class	No	Cum	%
ND	14	193	100
1	74	179	92.7
2	58	105	54.4
3	21	47	24.3
4	8	26	13.5
5	4	18	9.3
6	2	14	7.2
7	0	12	6.2
8	1	12	6.2
9	2	11	5.7
10	5	9	4.7
11	0	4	2.1
12	1	4	2.1
+12	3	3	

25, 38, 25 (3)

193.

ELK Zn in basal till

0-19		0
20-		0
40-	✓✓✓✓✓✓✓✓✓✓	10
60-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	16
80-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	16
100-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	28
120-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	23
140-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	16
160-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	23
180-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	15
200-	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	16
220-	✓✓✓✓✓✓✓✓✓✓✓✓	4
240-	✓✓	2
260-	✓✓✓✓✓✓✓✓✓✓✓✓	6
280-	✓✓✓	3
300-	✓✓✓✓✓✓✓✓	4
320-		0
340-	✓✓	2
360-		0
380-	✓	1
400-	✓✓	2
420-		0
+420	460, 920, 470, ~~410~~, ~~410~~, 445, 460, 800	6

440-480

193 ✓

class	#	Cum	%
20	0		
60	26	193	100
100	44	167	86.5
140	39	123	63.7
180	38	84	43.5
220	20	46	23.8
260	8	26	13.5
300	7	18	9.3
340	2	11	5.7
380	1	9	4.7
420	2	8	4.1
460	4	6	3.1
+440	2	2	1.0

193 ✓

ELK Zn in basal till

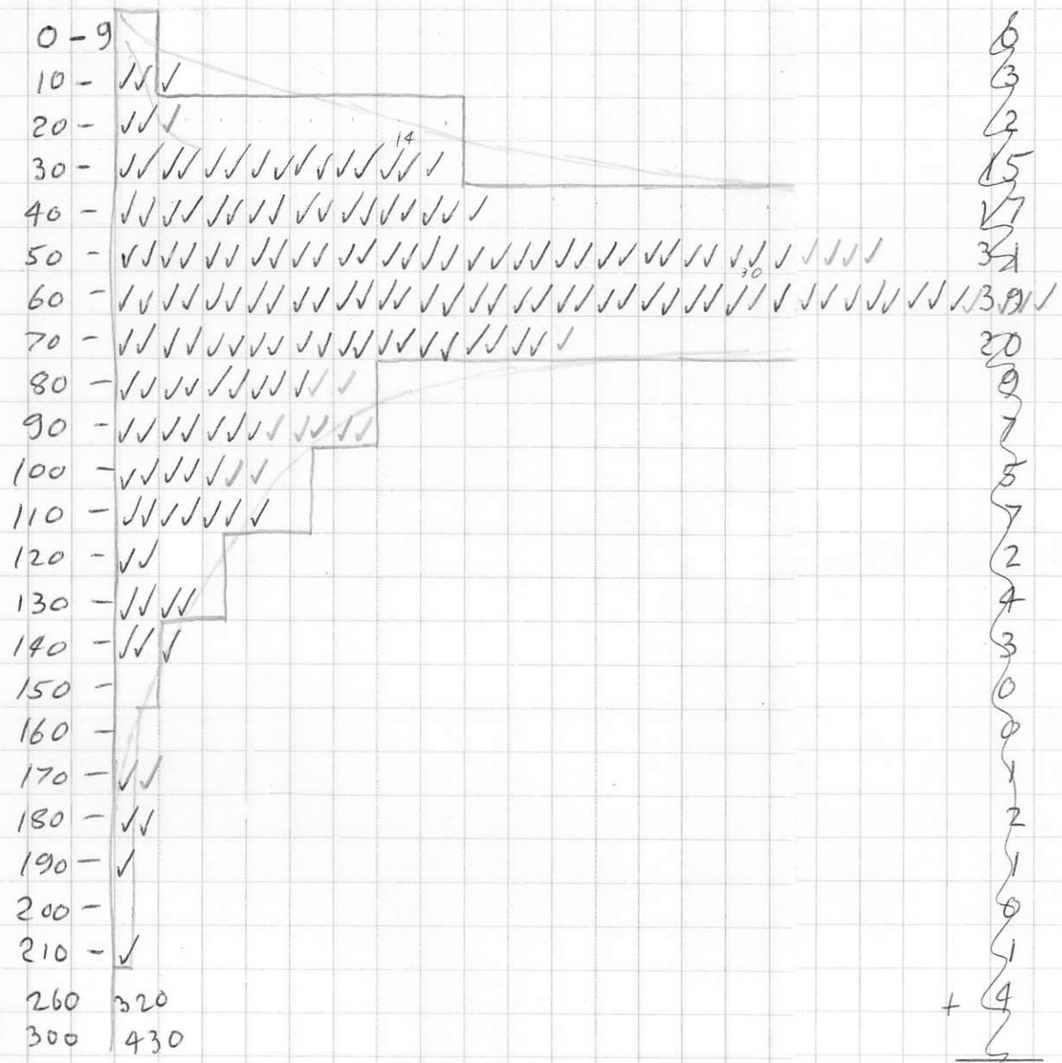
0-9		0-19	2			2	2
10- ✓		20-	0			0	
20-		40-	9	✓		10	26
30-		60-	13	✓✓✓		16	
40- ✓✓✓✓		80-	13	✓✓✓		16	44
50- ✓✓✓✓✓		100-	18	✓✓✓✓✓✓✓✓✓✓		28	
60- ✓✓✓✓✓		120-	16	✓✓✓✓✓✓✓		23	39
70- ✓✓✓✓✓✓✓		140-	10	✓✓✓✓✓✓		16	
80- ✓✓✓✓✓✓✓✓		160-	19	✓✓✓✓		23	38
90- ✓✓✓✓✓		180-	8	✓✓✓✓✓✓✓✓		15	
100- ✓✓✓✓✓✓✓✓		200-	12	✓✓✓✓		16	20
110- ✓✓✓✓✓✓✓✓✓✓		220-	1	✓✓✓		4	
120- ✓✓✓✓		240-	1	✓		2	8
130- ✓✓✓✓✓✓✓✓✓✓✓✓		260-	4	✓✓		6	
140- ✓✓✓✓		280-	✓✓		2	3	11
150- ✓✓✓✓✓✓		300-	✓✓✓✓		4	8	
160- ✓✓✓✓✓✓✓✓✓✓		320-			0	0	4
170- ✓✓✓✓✓✓✓✓		340-	✓✓		2	4	
180- ✓✓✓✓✓		360-			0	0	2
190- ✓✓✓		380-	✓		1	2	
200- ✓✓✓✓✓✓✓		400-	✓✓		2	4	4
210- ✓✓✓✓		420-	0		0	0	
220-		440+			7		7
230- ✓							
240- ✓							207
250-							
260- ✓✓✓							
270- ✓							

445, ~~356~~, ~~381~~, 470, ~~300~~, ~~410~~, ~~295~~ 460, 800,

~~328~~, ~~295~~, ~~310~~, 290, 460, 920, ~~300~~, ~~350~~, ~~410~~

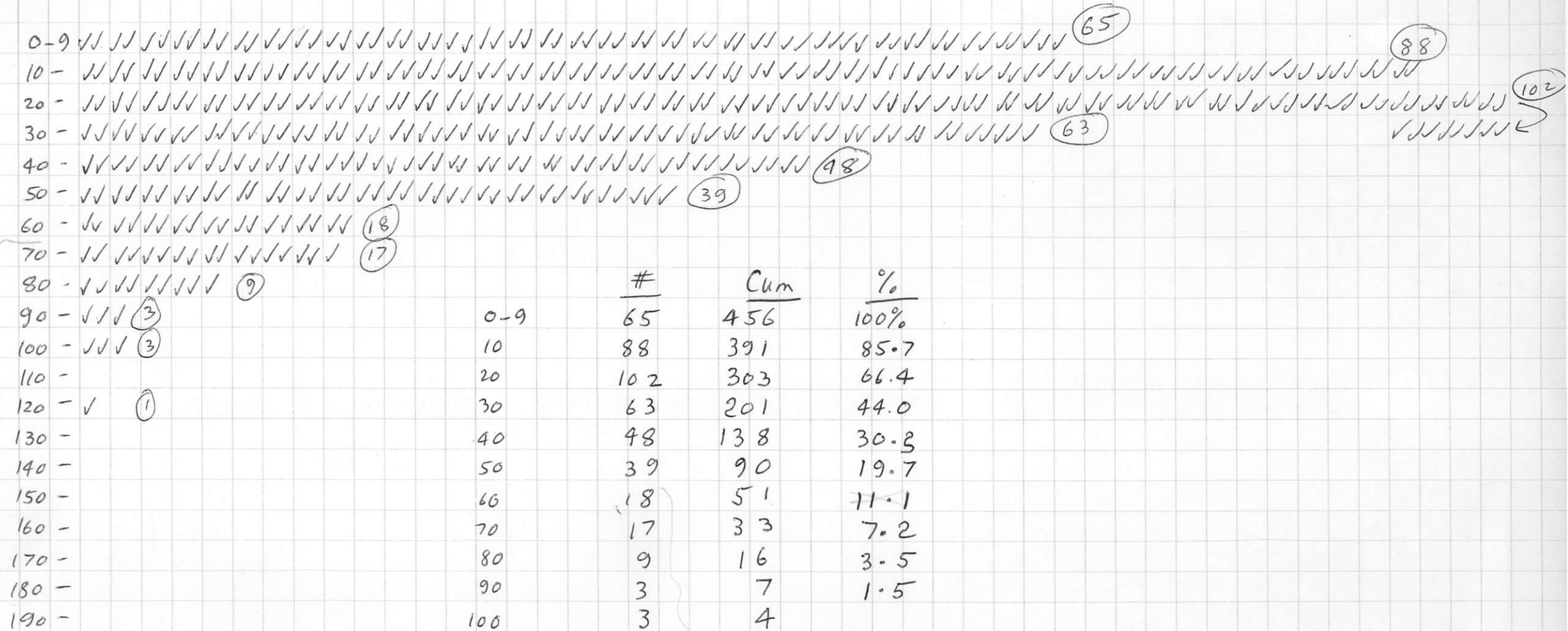
ELK

Cu in basal Hill



		class ¢	#	Cum #	%
0	0	10	3	193	100
3	3				
3	3	30	18	190	98.4
15	15				
17	17	50	52	172	89.2
31	35				
39	43	70	64	120	62.2
20	21				
9	11	90	23	56	29.0
7	12				
5	7	110	14	33	17.1
7	7				
2	2	130	6	19	9.8
4	4				
3	3	150	3	13	6.7
0	0				
0	0	170	2	10	5.2
1	2				
2	2	190	3	8	4.1
1	1				
0	0	210	1	5	2.6
1	1				
+ 4	+ 4	+	4	4	
~~193~~	193				

ELK Cu in surface soils



	#	Cum	%
0-9	65	456	100%
10	88	391	85.7
20	102	303	66.4
30	63	201	44.0
40	48	138	30.3
50	39	90	19.7
60	18	51	11.1
70	17	33	7.2
80	9	16	3.5
90	3	7	1.5
100	3	4	
		1	
120	1	1	
	456		

50

50

ELK Zn in surf. soils

0-9 [tally marks] (15)
10 - [tally marks] (44)
20 - [tally marks] (81) 20
30 - [tally marks] (87) 30
40 - [tally marks] (81) 40
50 - [tally marks] (44)
60 - [tally marks] (28)
70 - [tally marks] (23)
80 - [tally marks] (17)
90 - [tally marks] (13)
100 - [tally marks] (5)
110 - [tally marks] (5)
120 [tally marks] (4)
130 [tally marks] (2)
140 [tally marks] (3)
150 (4)
182 [illegible]
240 [illegible]

~~150~~ ~~150~~ 255 320 200
200 208 ~~188~~ 365
~~155~~ ~~158~~ ~~170~~

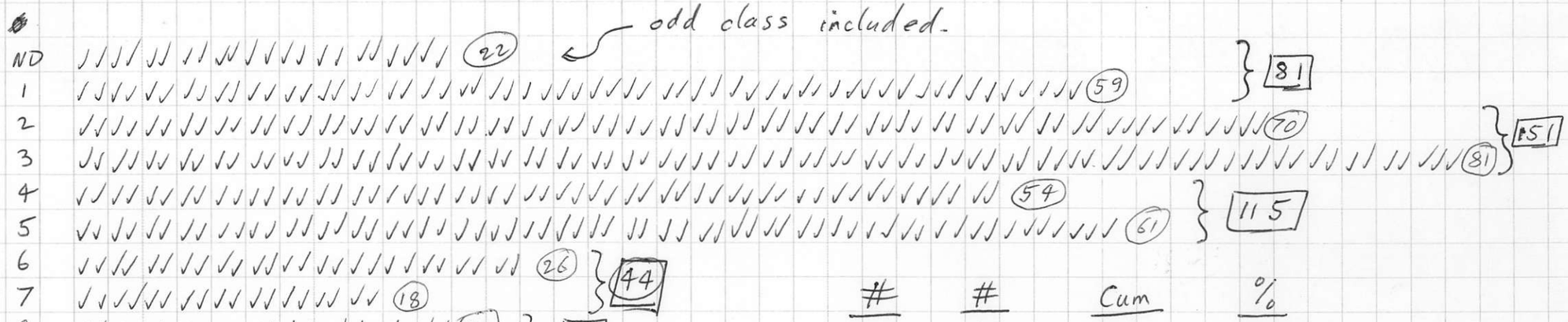
~~#~~ 160
170 (1)
180 (1)

+180 (5)

	#	Cum	%
0-9	15	463	100
10	44	448	96.8
20	81	404	87.2
30	87	323	69.7
40	81	236	50.9
50	44	155	33.4
60	28	111	23.9
70	23	83	17.9
80	17	60	12.9
90	13	43	9.3
100	5	30	6.5
110	5	25	5.4
120	4	20	4.3
130	2	16	3.4
140	3	14	3.0
150	4	11	2.3
160	0	7	1.5
170	1	7	
180	1	6	
+180	5	5	

ELK Mo in Surface Soils

odd class included.



#	#	Cum	%
ND, 1	81	451	100
2, 3	151	370	82.0
4, 5	115	219	48.6
6, 7	44	104	23.1
8, 9	30	60	13.3
10, 11	14	30	6.7
12, 13	6	16	3.5
14, 15	4	10	2.2
16, 17	2	6	1.3
18, 19	1	4	
20, 21	2	3	
> 27 –	1	1	
	451		

ELK ROCK Cu

			#	Cum	%
0 - 19	xx xxx	5	5	89	
20 -	xx xx xx xx xx xx xx xx xxxxxx xxxxxx ✓✓✓	28	33	84	94.3
40 -	xx xx xx xxxx xx xx xx xxxxxxx xx✓	25	25	51	57.3
60 -	xxxxxxx ✓	7	8	26	29.2
80 -	xx xx xx	6	6	18	20.2
100 -	xxx	3	3	12	13.4
120 -	x	1	1	9	10.1
140 -	xx xx	4	4	8	9.0
160 -	x	1	1	4	4.5
180 -		0	0	3	3.4
200 -	x	1	1	3	3.4
352, 680,		2	2	2	2.2
		83	89		

ELK ROCK Zn

		#	Cum	% Cum
0 -	✓	1	87	
20 -	✓✓✓✓ ✓✓✓✓✓✓	12	86	98.9
40 -	✓✓ ✓✓ ✓✓✓✓ ✓✓✓✓✓✓✓✓ ✓✓✓✓	22	74	85.1
60 -	✓✓✓✓✓✓✓✓✓	10	52	59.8
80 -	✓✓✓✓ ✓✓✓✓ ✓✓✓✓✓✓✓	15	42	48.3
100 -	✓✓✓✓✓✓✓✓ ✓✓✓✓✓	13	27	31.0
120 -	✓✓✓✓✓✓	6	14	16.1
140 -	✓	1	8	9.2
160 -	✓✓	2	7	8.0
180 -				
200 -				
	344, 240, 640, 800, 344	5	5	5.7
		87		

	ELK ROCK Mo	#	Cum	%
0	✓✓✓	49	88	100.
1	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	16	39	44.3
2	✓✓✓✓✓✓✓✓✓	9	23	26.1
3	✓	1	14	15.9
4	✓✓✓✓✓	5	13	14.8
5		0	8	9.1
6	✓	1	8	9.1
7	✓	1	7	7.9
8	✓✓✓	3	6	6.8
9				
10				
15, 78, 14		3	3	3.4
		88		

ELK - Rock Ag.

		#	Cum	
0	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	34	90	
.5	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	33	56	62.2
1.0	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	13	23	25.5
1.5	✓✓✓✓✓✓✓	7	10	11.1
2.0		0	3	3.0
2.5	✓✓✓	3	3	3.0
3.0				
3.5				
4.0				
		90		

ELK Pb ROCK

			#	Cum	Cum %
0					
10		4	5	94	
20		33	36	89	94.6
30		32	38	53	56.3
40		5	5	15	16.0
50		6	8	10	10.6
60					
70					
80					
90		1	1	2	2.1
100					
150,		1	1	1	
		82	94		

ELK S Rock

			#	Cum	%	ppm
0 - .1	✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓	25 8	33	89		
.1 -	✓✓✓✓✓✓✓					
.2 -	✓✓✓✓✓✓✓	8 5	13	56	62.9	.3
.3 -	✓✓✓✓					
.4 -	✓✓✓✓	4 4	8	43	48.3	.5
.5 -	✓✓✓✓					
.6 -	✓✓	2 1	3	35	39.3	.7
.7 -	✓					
.8 -	✓✓	2 4	6	32	36.0	.9
.9 -	✓✓✓✓					
1.0 -	✓✓✓	2 2	4	26	29.2	1.1
1.1	✓✓					
1.2	✓✓✓	3 1	4	22	24.7	1.3
1.3	✓					
1.4	✓	1 3	4	18	20.2	1.5
1.5	✓✓✓					
1.6	✓✓	2 3	5	14	15.7	1.7
1.7	✓✓✓					
1.8	✓✓	2 1	3	9	10.1	1.9
1.9	✓					
2.0		6	6	6	6.7	2.1
		89 ✓				

2.7, 3.58, 4.55, 6.02, 2.8, 3.4 →