

Trap Setting Tables for International Trap

OR

The Bunker Schemes

The ISSF Rulebook contains the Trap Setting Tables in Section 9.19.4. There are nine (9) different schemes in the rulebook. Each scheme is laid out in the same format, starting at trap number one proceeding across the bunker to trap number 15 with the direction of trajectory and the elevation of trajectory stated next to each trap. Every competition around the world adheres to these nine schemes and the Competition Officials are required to verify the targets are set in accordance with these schemes.

When I look at the schemes in the rulebook I have always had difficulty visualizing the scheme – yes, the direction and trajectory are there but the format is too flat – I have always wanted something a little more graphic. What I came up with is in the following pages.

To be fair, this was a collaborative effort, with BJ McDaniel providing the breakthrough that let me see the data as more than just numbers on a sheet of paper. I had been playing around with a new score sheet that allowed you to plot the results of a round of trap so you could see the angles represented on a field diagram. Scores were related to each target thrown and the resulting information permitted the coach or shooter to analyze their performance in a different context than just scores. I shared this field diagram with BJ and he took it a step further and the bar chart was born. I took the two concepts and combined them.

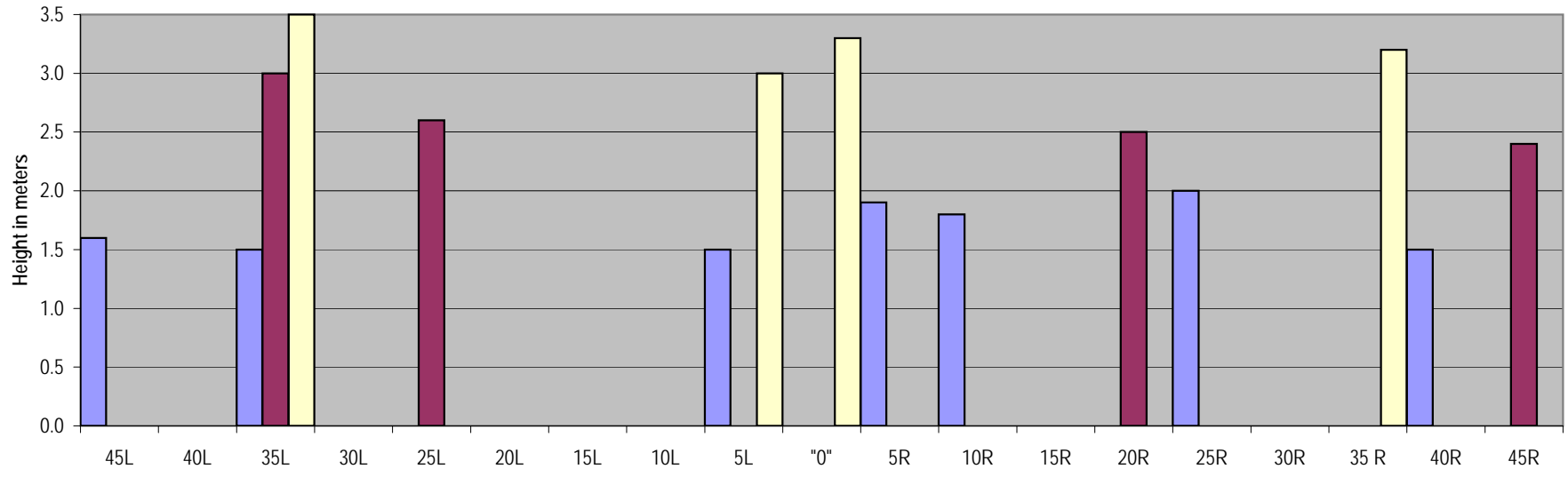
Out of this work came the thought to apply the field diagram and chart to the nine schemes.

Here they are.

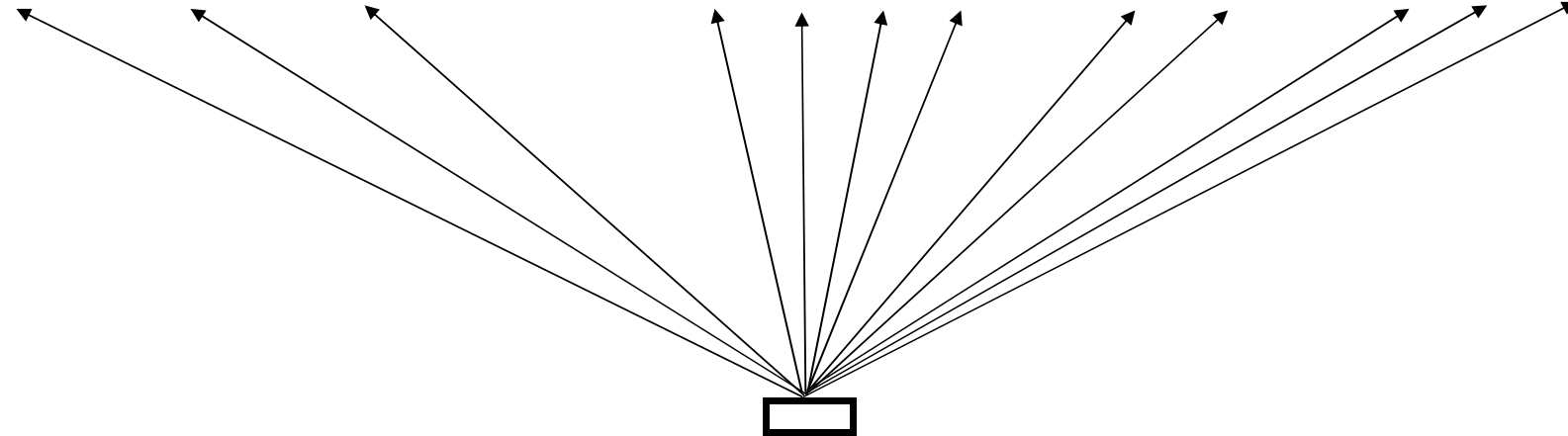
I hope you find this graphic representation of our game useful.

James Woolacott
January 23, 2010

Scheme 1 Targets

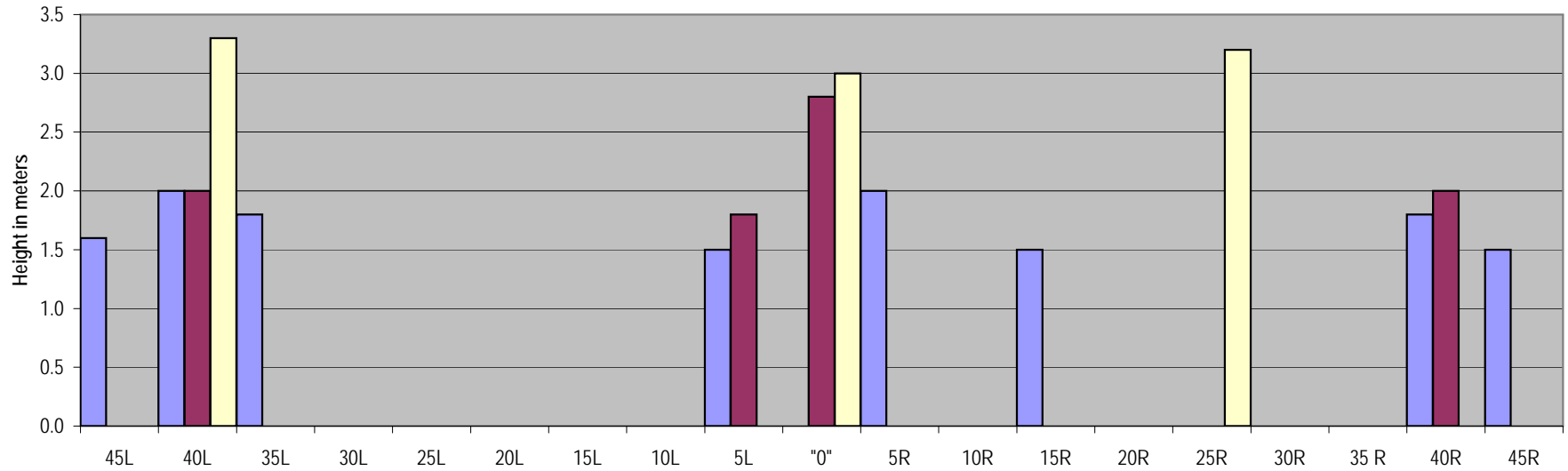


High		3.5		2.6				3.0	3.3				2.5			3.2		2.4	
Medium		3.0						1.5		1.9	1.8								
Low	1.6	1.5																	
	45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R



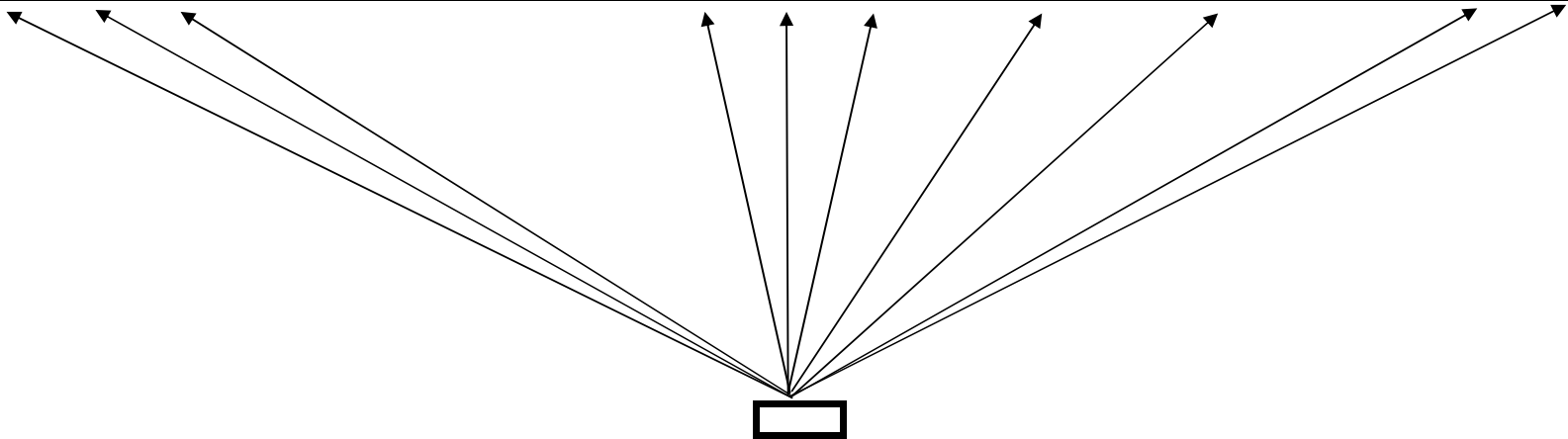
Angle	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Height	25 R	5 L	35 L	20 R	10 R	35 L	35 R	5 L	45 L	40 R	"0"	25 L	45 R	5 R	35 L
	2.0m	3.0m	1.5m	2.5m	1.8m	3.0m	3.2m	1.5m	1.6m	1.5m	3.3m	2.6m	2.4m	1.9m	3.5m

Scheme 2 Targets



High
Medium
Low

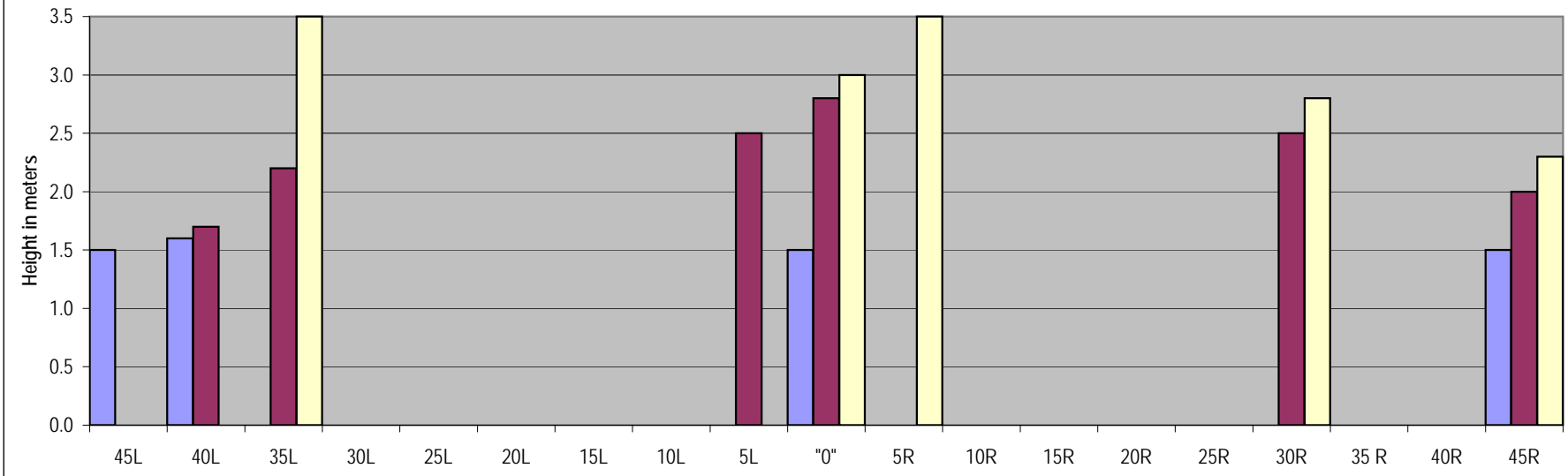
3.3								1.8	3.0					3.2			2.0	
2.0								1.5	2.8								1.8	
2.0	1.8								2.0			1.5						1.5
45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R



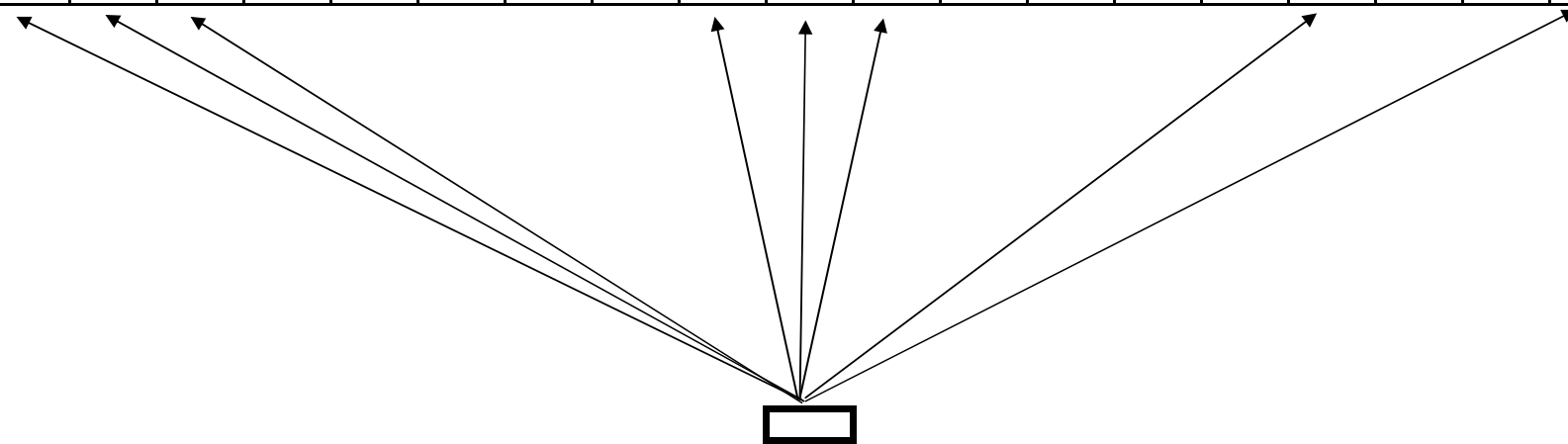
Angle
Height

Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
25 R	5 L	40 L	40 R	"0"	45 L	45 R	"0"	40 L	15 R	5 R	35 L	40 R	5 L	40 L
3.2m	1.8m	2.0m	2.0m	3.0m	1.6m	1.5m	2.8m	2.0m	1.5m	2.0m	1.8m	1.8m	1.5m	3.3m

Scheme 3 Targets

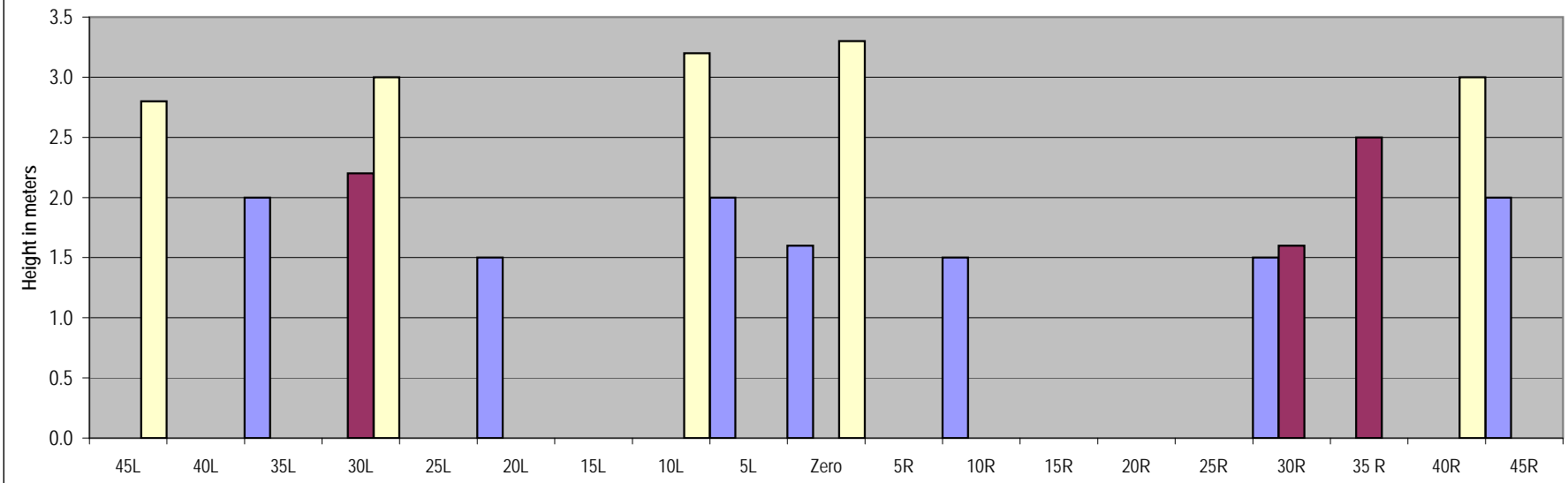


High			3.5						3.0	3.5								2.8		2.3
Medium		1.7	2.2					2.5	2.8									2.5		2.0
Low	1.5	1.6							1.5											1.5
	45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R	

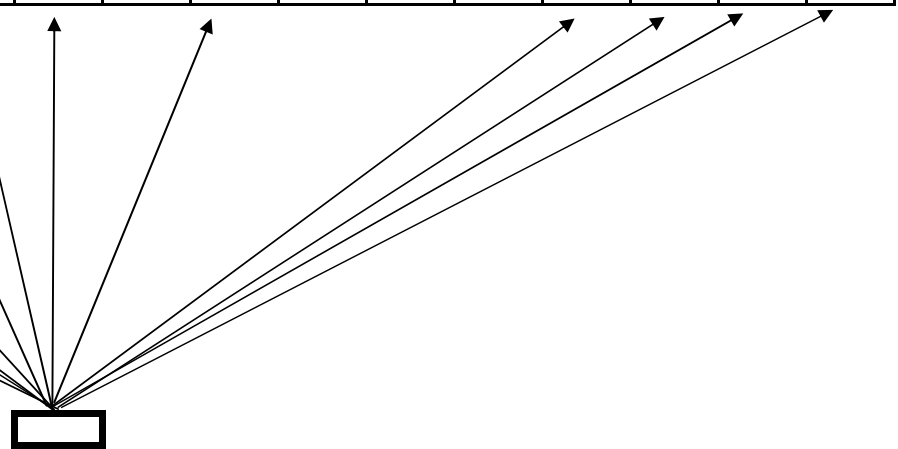


Angle	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Height	30 R	"0"	35 L	45 R	5 L	40 L	30 R	5 R	45 L	45 R	"0"	40 L	45 R	"0"	35 L
	2.5m	2.8m	3.5m	1.5m	2.5m	1.7m	2.8m	3.5m	1.5m	2.3m	3.0m	1.6m	2.0m	1.5m	2.2m

Scheme 4 Targets

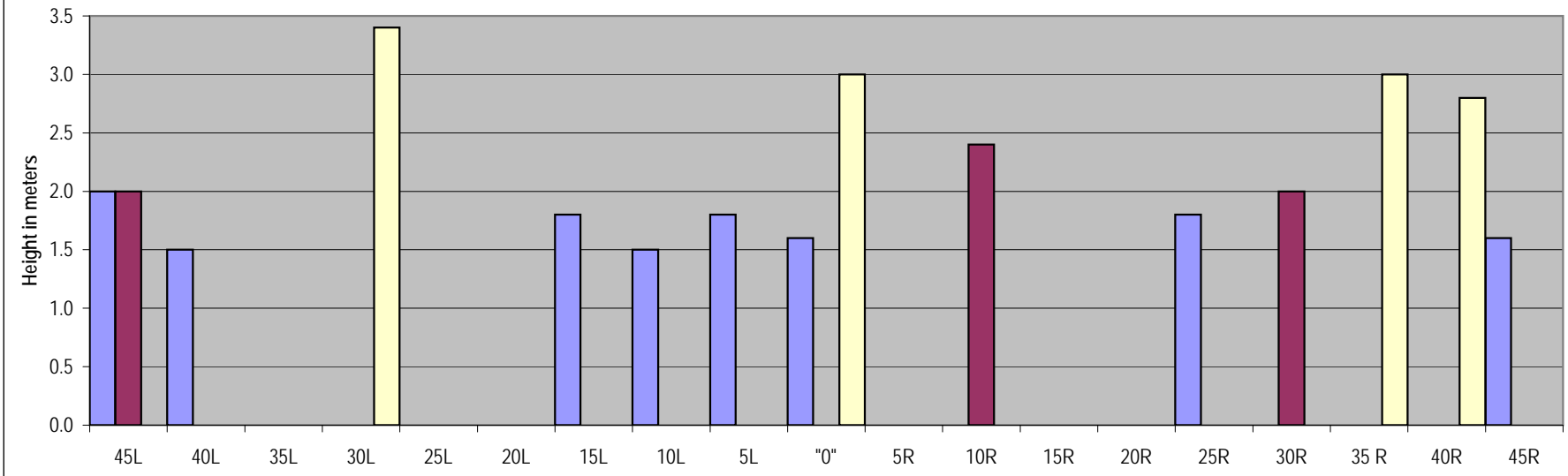


High	2.8			3.0				3.2		3.3																											
Medium				2.2																																	
Low			2.0																																		
	45L	40L	35L	30L	25L	20L	15L	10L	5L	Zero	5R	10R	15R	20R	25R	30R	35R	40R	45R																		

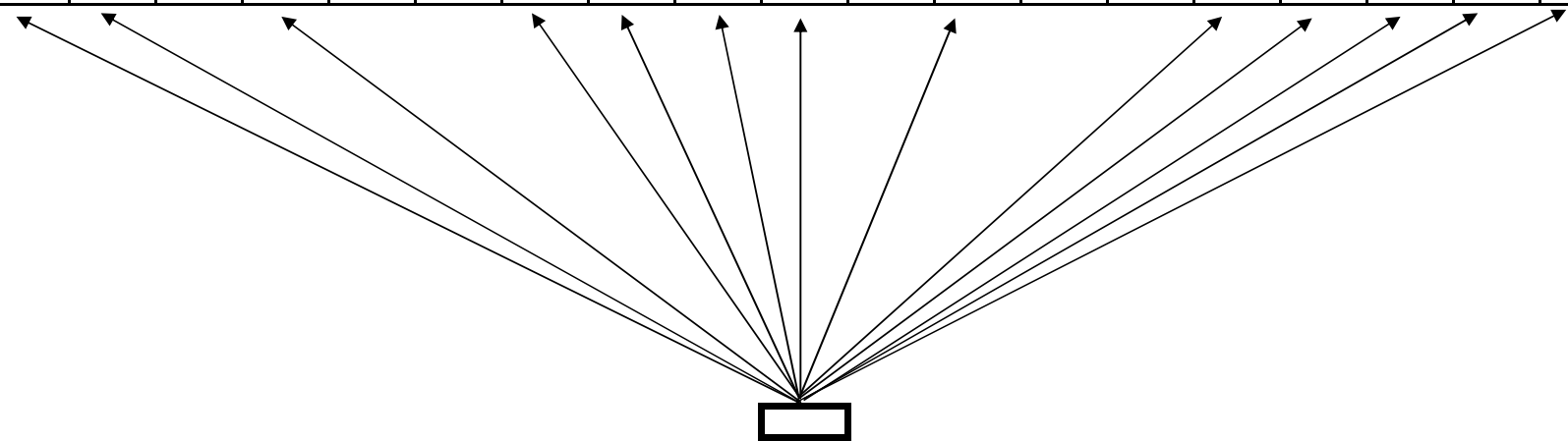


	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Angle	40 R	10 R	30 L	30 R	10 L	35 L	45 R	"0"	20 L	30 R	5 L	45 L	35 R	"0"	30 L
Height	3.0	1.5	2.2	1.6	3.2	2.0	2.0	3.3	1.5	1.5	2.0	2.8	2.5	1.6	3.0

Scheme 5 Targets

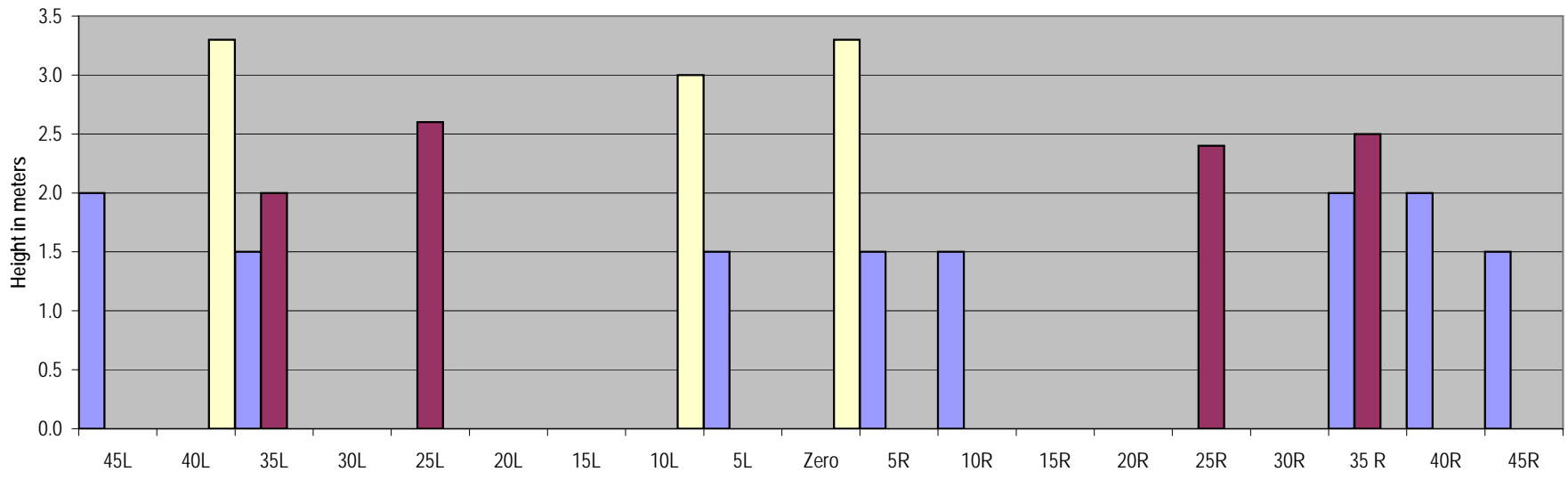


High	2.0		3.4						3.0										
Medium	2.0	1.5				1.8	1.5	1.8	1.6		2.4			1.8	2.0	3.0	2.8		
Low	45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R

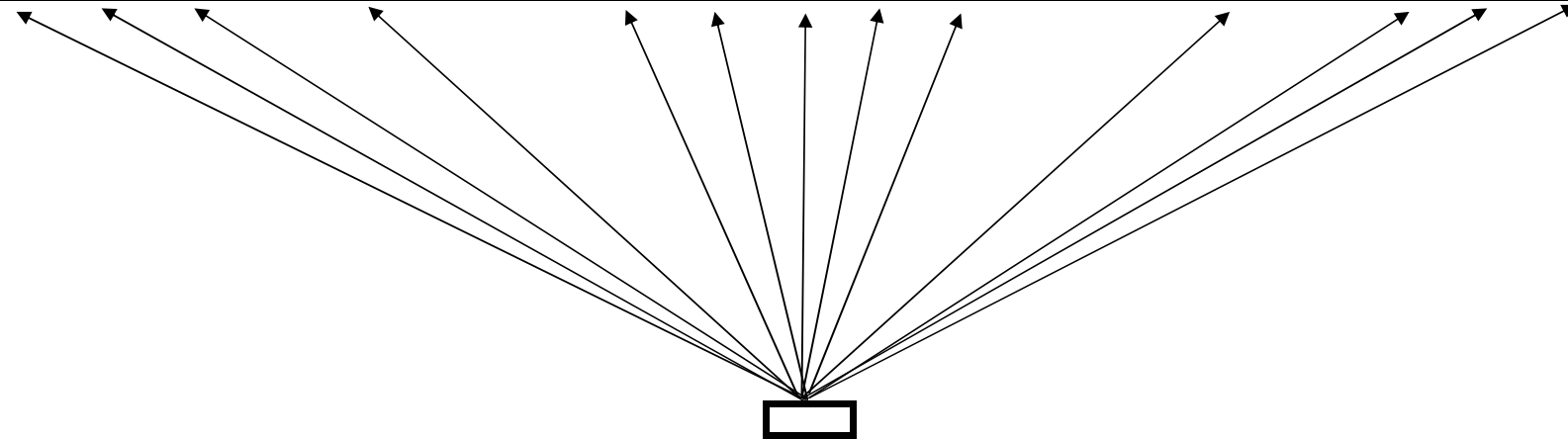


Angle	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Height	45 R	"0"	45 L	40 R	10 L	45 L	35 R	5 L	40 L	25 R	"0"	30 L	30 R	10 R	15 L
	1.6m	3.0m	2.0m	2.8m	1.5m	2.0m	3.0m	1.8m	1.5m	1.8m	1.6m	3.4m	2.0m	2.4m	1.8m

Scheme 6 Targets



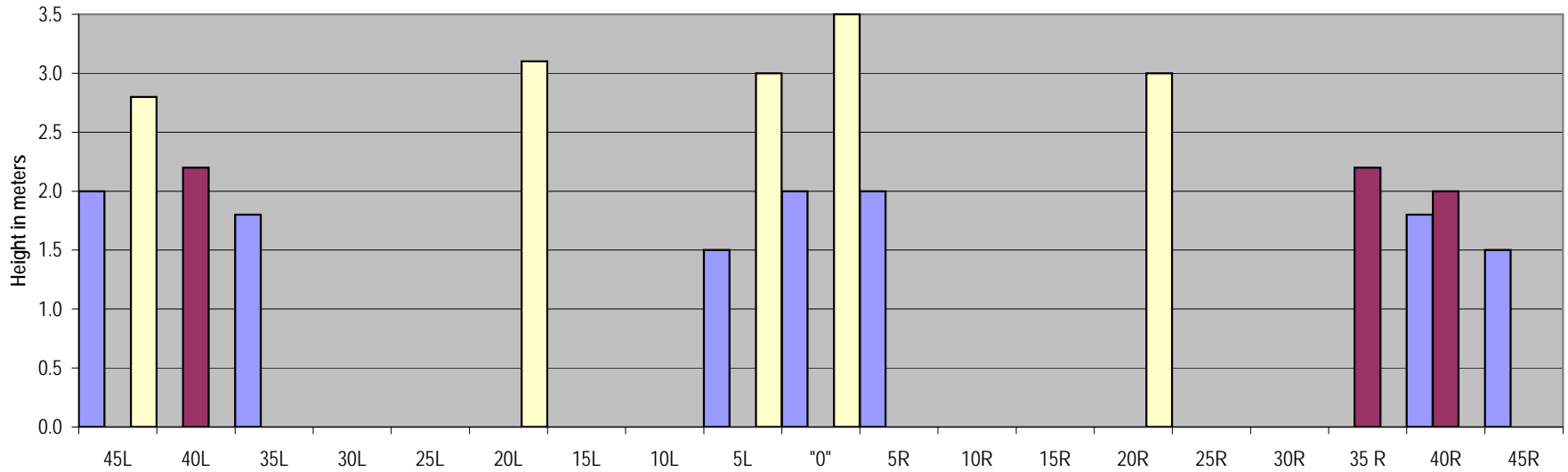
High	3.3	2.0		2.6			3.0	3.3							2.5	2.0	2.0	1.5	
Medium		1.5							1.5	1.5	1.5			2.4					
Low	2.0																		
	45L	40L	35L	30L	25L	20L	15L	10L	5L	Zero	5R	10R	15R	20R	25R	30R	35 R	40R	45R



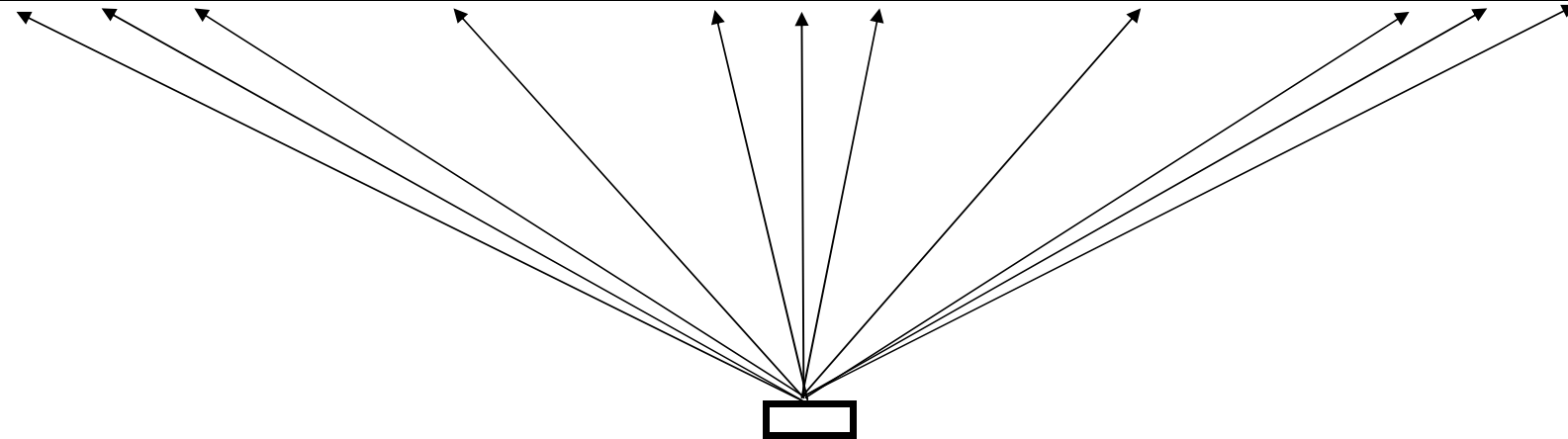
Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
40 R	"0"	35 L	35 R	10 R	35 L	35 R	5 L	40 L	45 R	10 L	25 L	25 R	5 R	45 L
2.0m	3.3m	1.5m	2.5m	1.5m	2.0m	2.0m	1.5m	3.3m	1.5m	3.0m	2.6m	2.4m	1.5m	2.0m

Angle
Height

Scheme 7 Targets

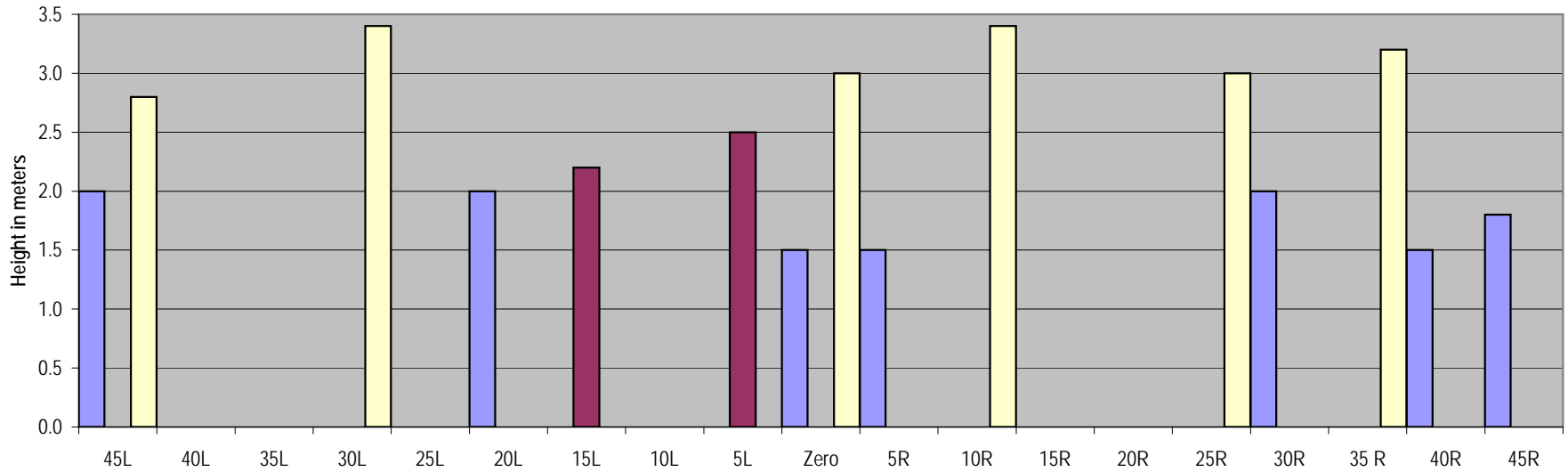


High	2.8	2.2			3.1			3.0	3.5				3.0			2.2	2.0	1.5	
Medium	2.0							1.5	2.0	2.0									
Low	45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R

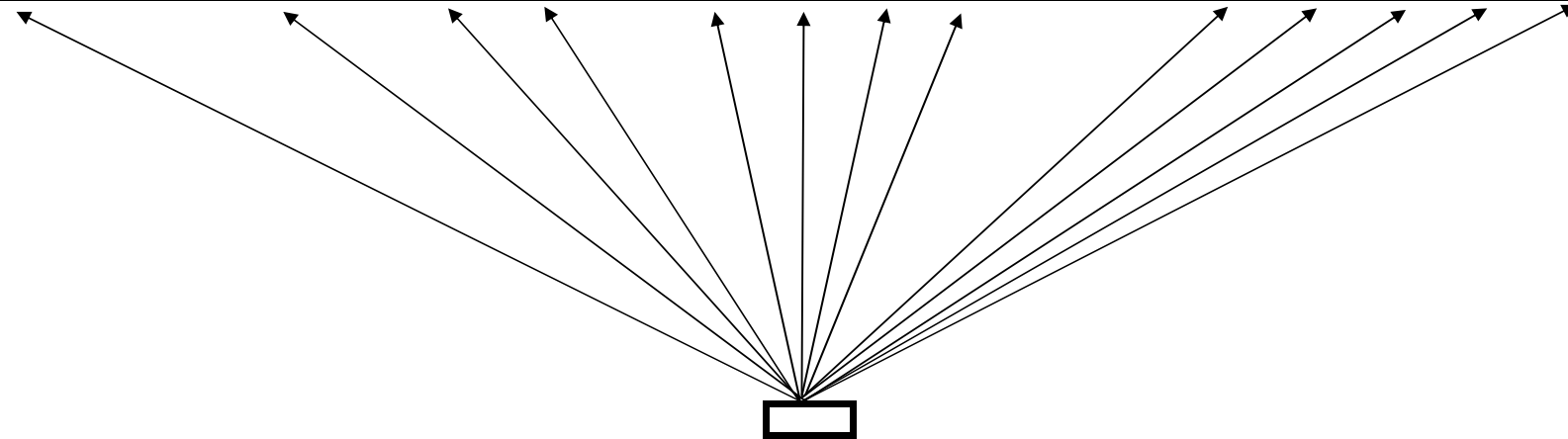


Angle	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Height	35 R	5 L	20 L	40 R	"0"	45 L	20 R	"0"	40 L	45 R	5 R	35 L	40 R	5 L	45 L
	2.2m	3.0m	3.1m	2.0m	3.5m	2.8m	3.0m	2.0m	2.2m	1.5m	2.0m	1.8m	1.8m	1.5m	2.0m

Scheme 8 Targets



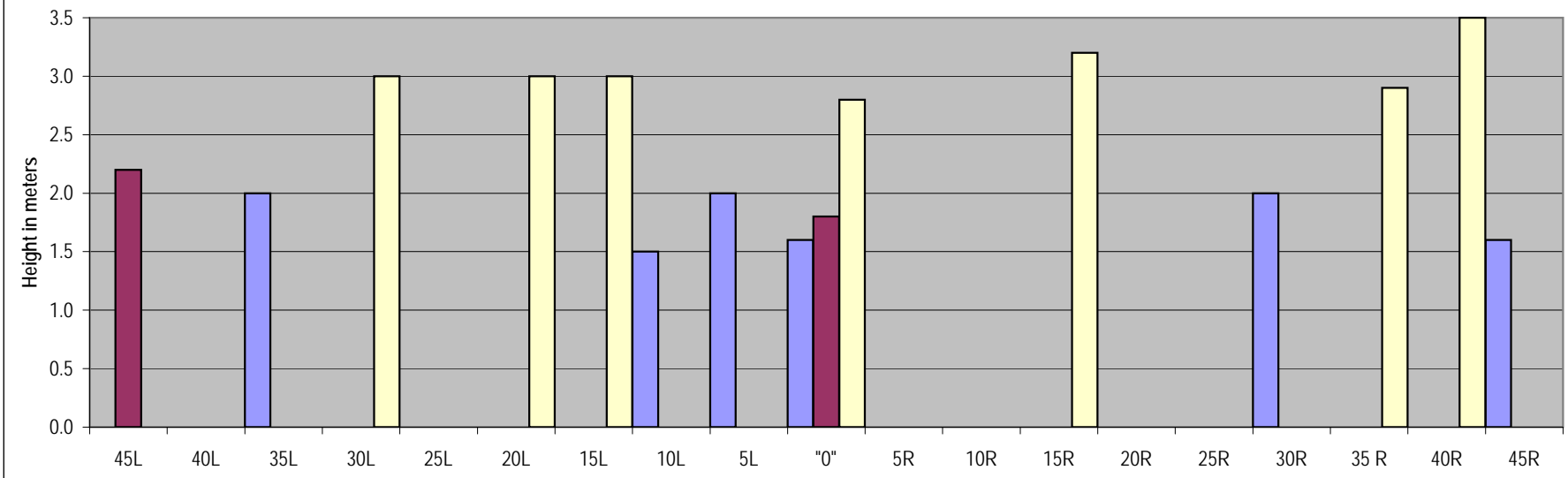
High	2.8			3.4					3.0		3.4				3.0		3.2		
Medium	2.0				2.0	2.2		2.5	1.5	1.5					2.0		1.5	1.8	
Low	45L	40L	35L	30L	25L	20L	15L	10L	5L	Zero	5R	10R	15R	20R	25R	30R	35 R	40R	45R



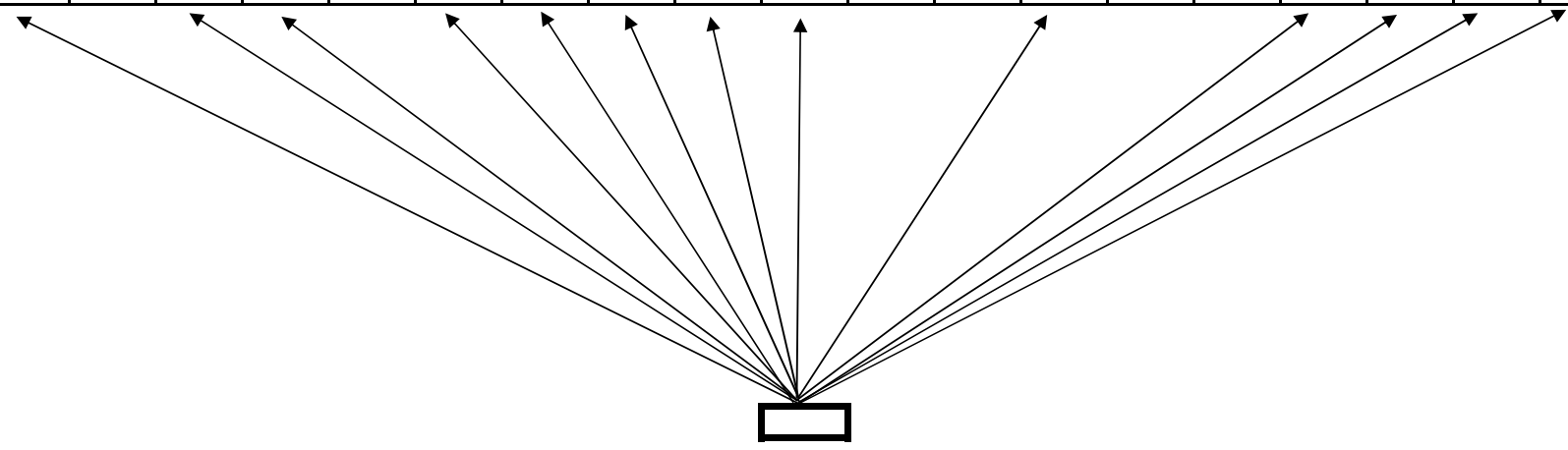
Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
25 R	5 R	45 L	40 R	"0"	45 L	35 R	5 L	20 L	45 R	"0"	30 L	30 R	10 R	15 L
3.0m	1.5m	2.0m	1.5m	3.0m	2.8m	3.2m	2.5m	2.0m	1.8m	1.5m	3.4m	2.0m	3.4m	2.2m

Angle
Height

Scheme 9 Targets



High	2.2		3.0		3.0	3.0			2.8			3.2			2.9	3.5			
Medium		2.0					1.5	2.0	1.8						2.0				
Low									1.6									1.6	
	45L	40L	35L	30L	25L	20L	15L	10L	5L	"0"	5R	10R	15R	20R	25R	30R	35 R	40R	45R



Angle	Trap 1	Trap 2	Trap 3	Trap 4	Trap 5	Trap 6	Trap 7	Trap 8	Trap 9	Trap 10	Trap 11	Trap 12	Trap 13	Trap 14	Trap 15
Height	40 R	"0"	20 L	15 R	10 L	35 L	45 R	"0"	30 L	30 R	5 L	15 L	35 R	"0"	45 L
	3.5m	1.8m	3.0m	3.2m	1.5m	2.0m	1.6m	2.8m	3.0m	2.0m	2.0m	3.0m	2.9m	1.6m	2.2m