

PDT Report:

Groundfish Monitoring Program

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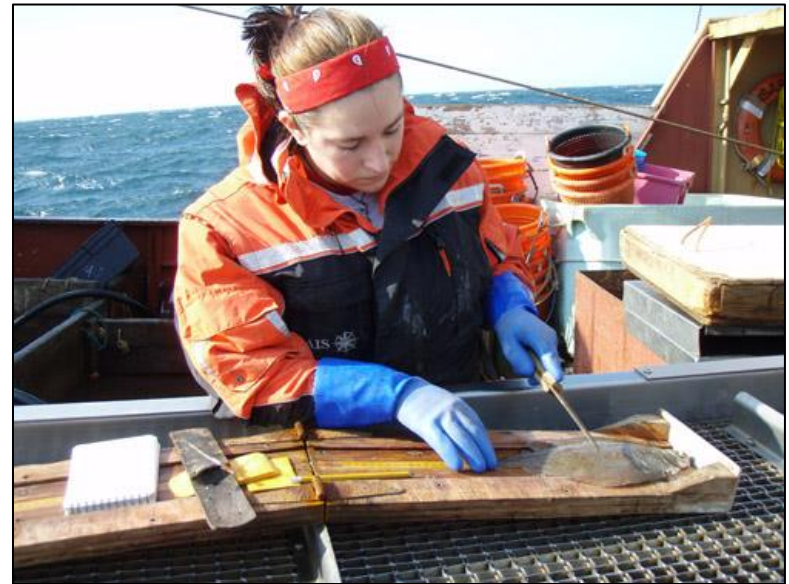
Groundfish Committee
Meeting
June 9, 2016



Groundfish Committee tasking on April 7 to the Plan Development Team regarding the CV standard

1. Provide an analysis on how much variance would occur under alternate CVs using examples. For example, on a catch of 3 million lbs. of species “X” with a CV of 30 what is the variance in the discard rate. Changing the CV up and down provide the variance in lbs. so that we can understand how changes in the CV will affect our management strategy.

2. Provide a comparison of the differences in discard rates by gear type when the discard rate is calculated with only NEFOP data using the most recent fishing year for which the entire data set is available and the discard rate using NEFOP and ASM.



Credit: NE Observer Program, NEFSC / NOAA

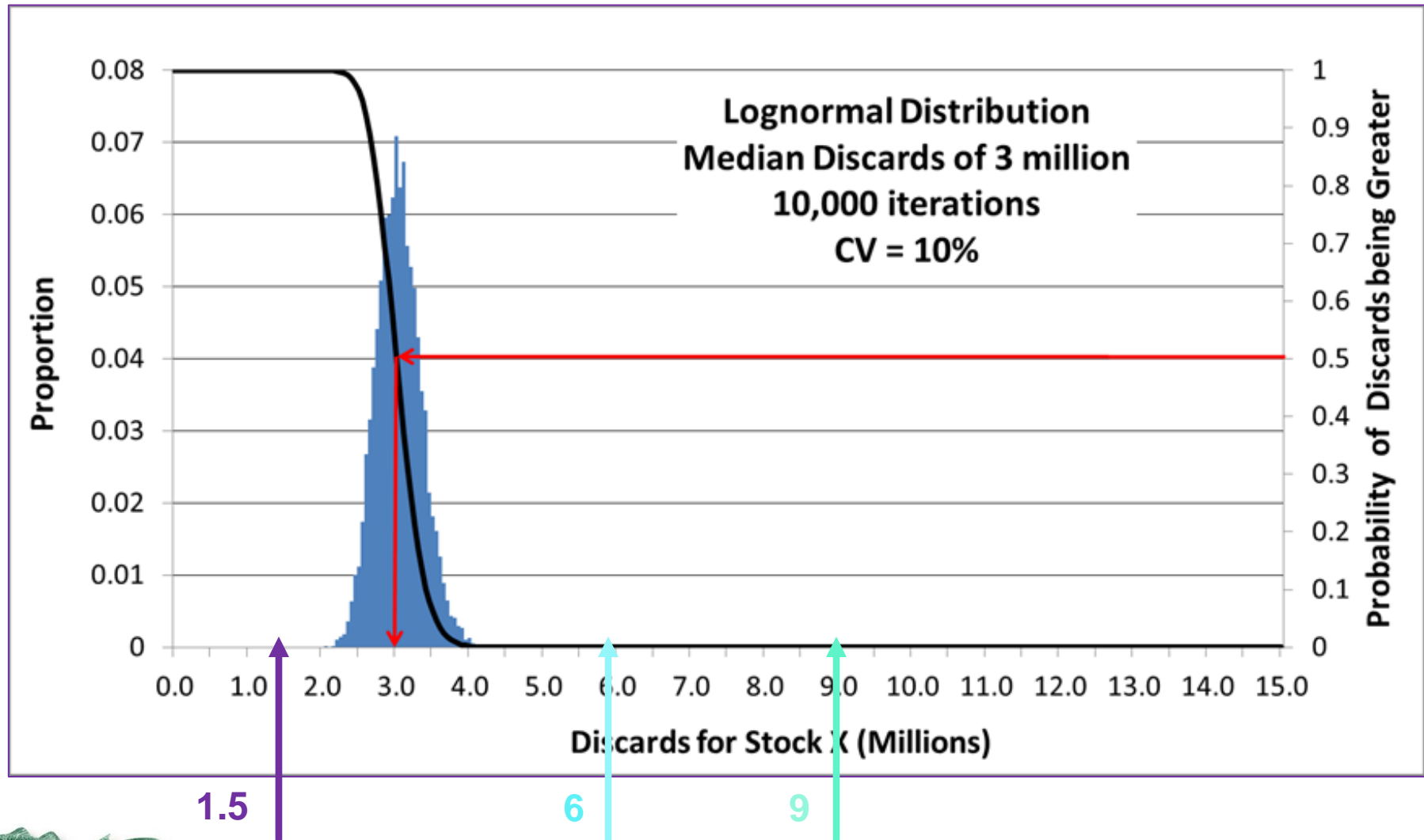
Worked example of species “X” where the true amount of discards is 3 million pounds

At this CV...	<i>This is the risk that the estimated discards in a stratum being half, double and triple the true discards of 3 million pounds....</i>		
	1.5 million lb.	6 million lb.	9 million lb.
	(half the true amount)	(2x the true amount)	(3X the true amount)
CV10	0%	0%	0%
CV30	1%	1%	0%
CV50	9%	9%	0.20%
CV70	16%	16%	0.60%

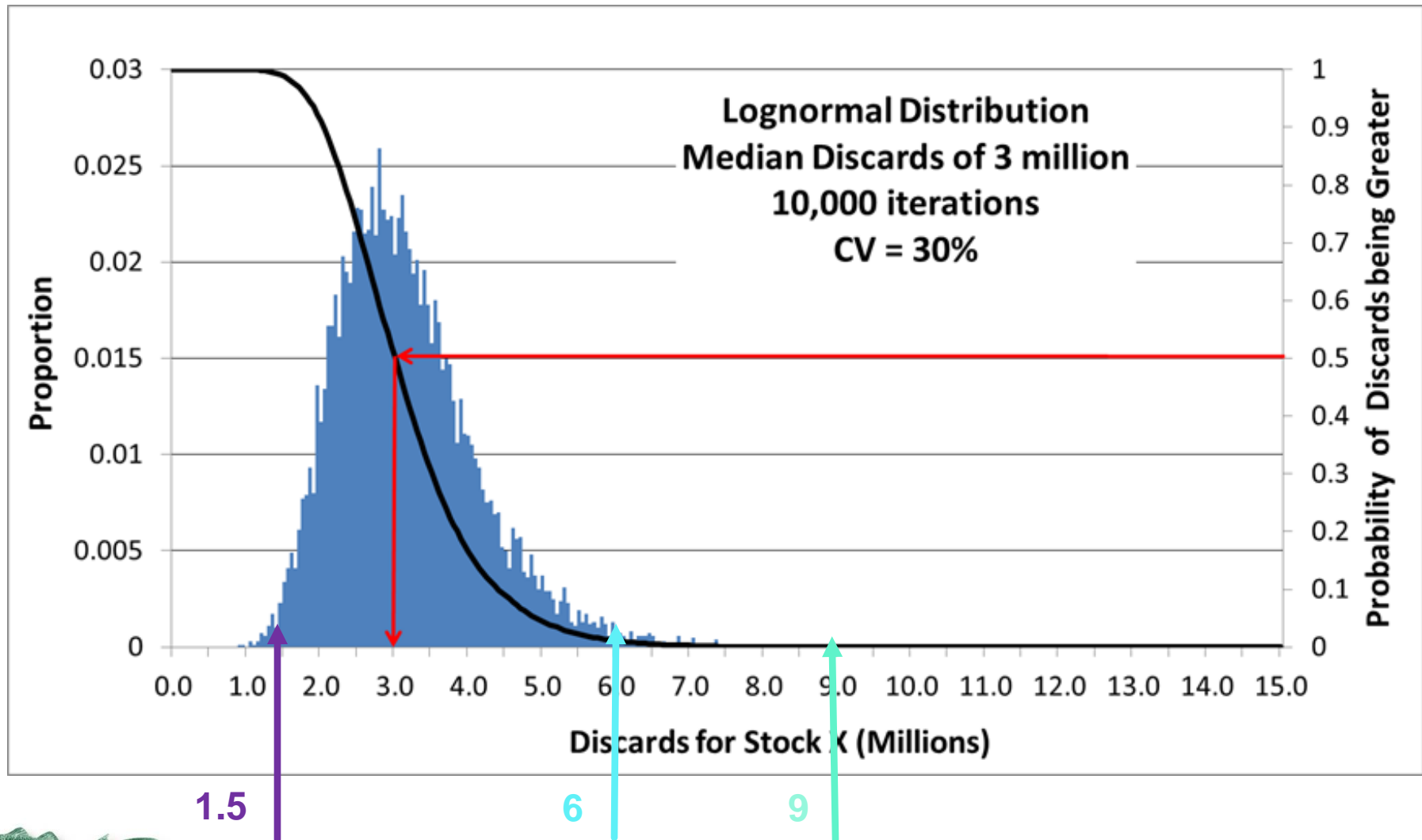
Increased risk of
being further
from the truth



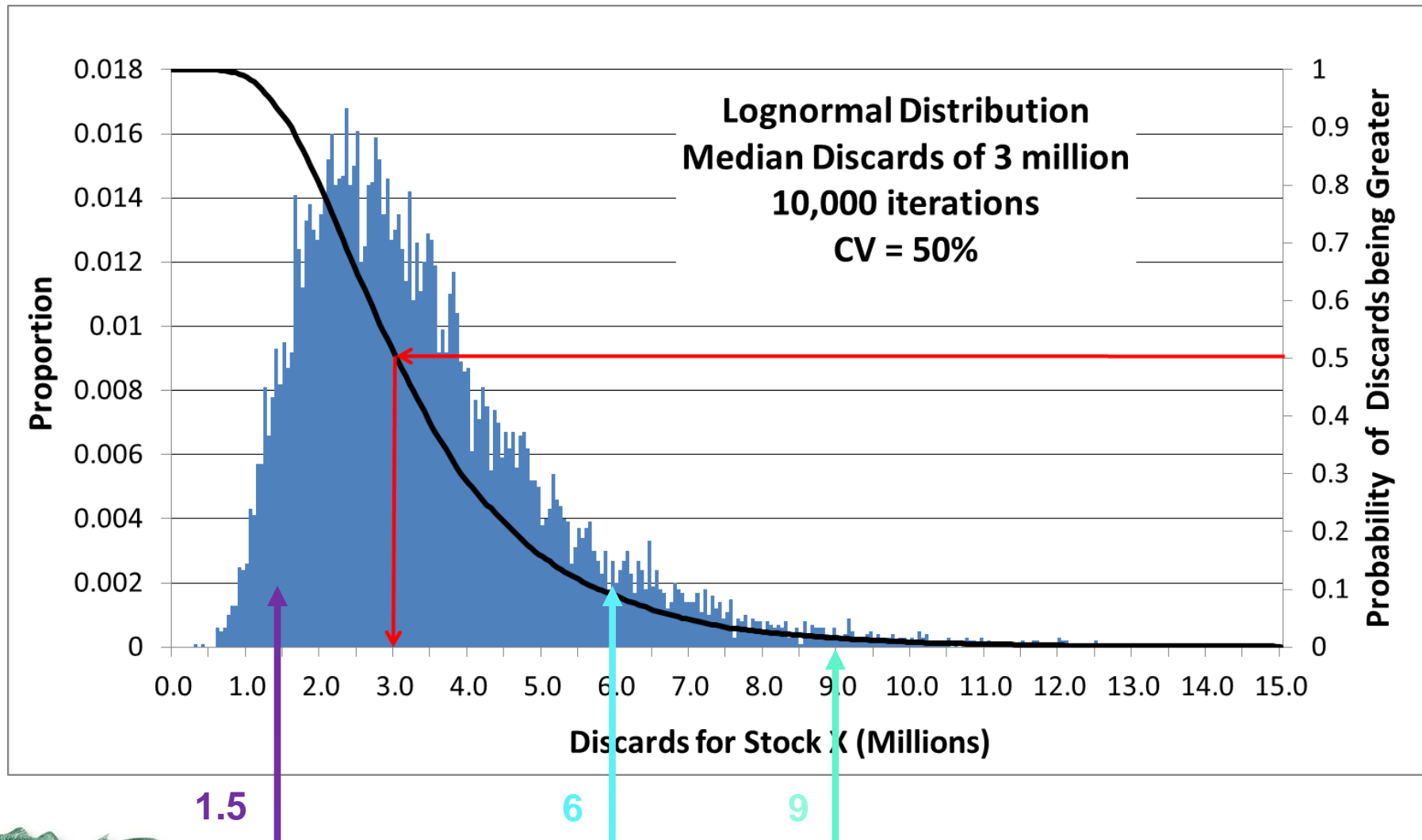
Worked example of species “X” where the true amount of discards in 3 million pounds, $CV = 10\%$



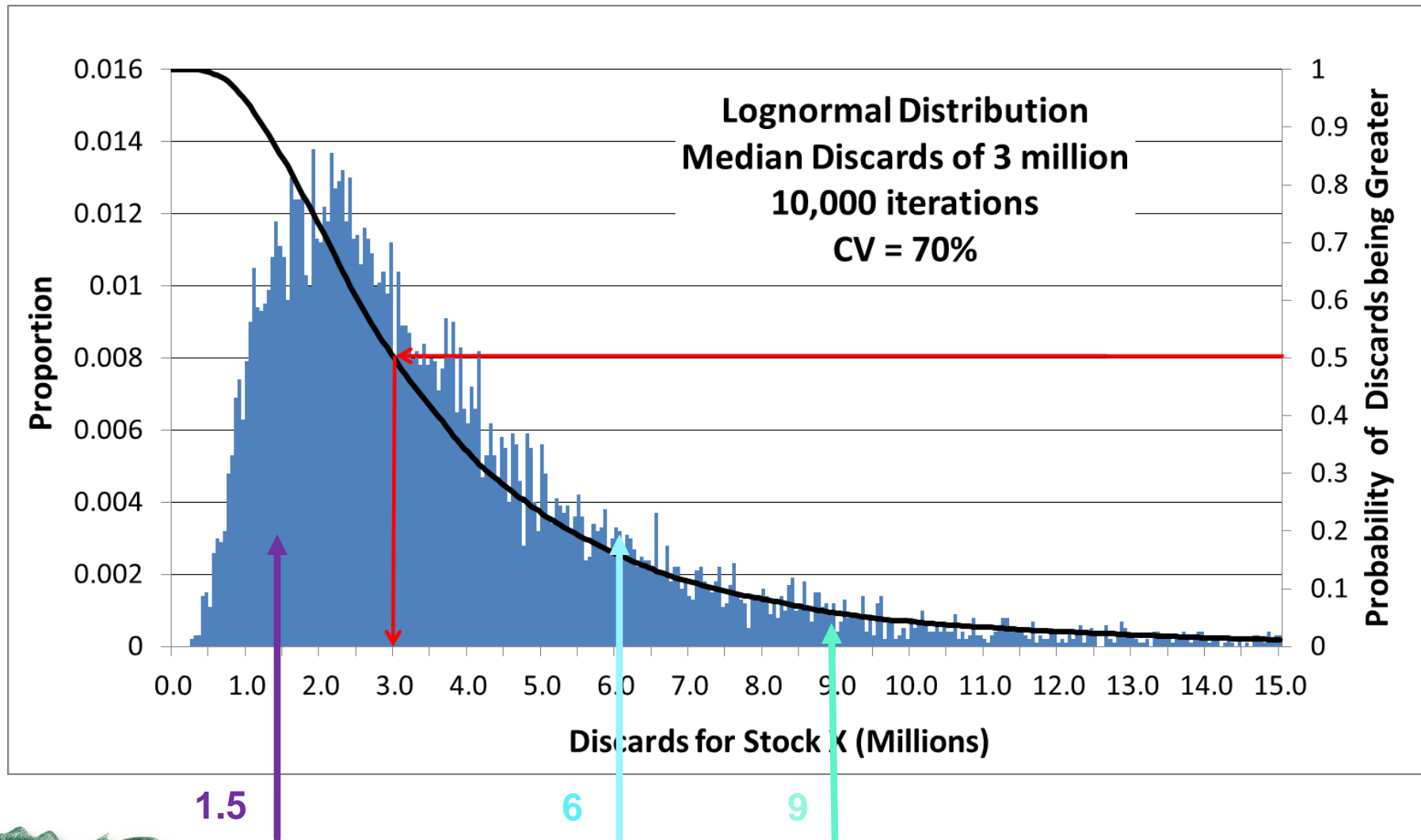
Worked example of species “X” where the true amount of discards in 3 million pounds, $CV = 30\%$



Worked example of species “X” where the true amount of discards in 3 million pounds, $CV = 50\%$



Worked example of species “X” where the true amount of discards in 3 million pounds, $CV = 70\%$



Any questions?



<http://www.decision-making-solutions.com/deAcision-making-in-uncertainty.html>

