

### Potential Violations Detectable by VMS

The following is a list of potential violations that could be captured by EM and detected by either human review or by automatic algorithms. Seriousness is based on anticipated violations, but is highly dependent on particulars of each situation. Highlighted violations are desired for 2017 reviews.

Violation	Likelihood	Seriousness	Algorithm Detection
1. Fail to comply with VMP or component of the EM program (at sea transmitted system health checks) <sup>1</sup>	Med	Low - High <sup>2</sup>	Yes
2. Conduct fishing contrary to inseason action, closure, or adjustment - 679.7(a)(2) <sup>1</sup>	Low	High	Possible?
3. Steller sea lion no fishing zone or no transit approach - 223.202(a) <sup>1</sup>	Low	High	Possible?
4. Feed or harass a marine mammal - 216.11(b)	Low	High	
5. Discharge a firearm within 100 yds of an endangered Steller sea lion - 224.103(d)(1)(ii)	Low	High	
6. Take or lethally take a marine mammal - 229.3(a)	Low	High	
7. Fail to comply with effort log, logbook, or electronic logbook requirement at - 679.5	Med	Low - High <sup>2</sup>	Possible?
8. Submit false information on a report - 679.7(a)	Med	High	
9. Retain undersize or out of season fish - multiple.	Med	Med	Possible
10. Discard legal sized IFQ halibut - 679.7(f)	Med	Med	Possible?
11. IFQ required retention or discard - 679.7(f)	Med	Med	
12. IRIU - 679.27	Med - High	Med	
13. Remove fins of a shark and discard the carcass at sea - 600.1203	Low	Med - High	
14. Fail to return prohibited species to sea with a minimum of injury - 679.21(b)(2)	Med	Low - Med	
15. Fail to release halibut outboard of the rail -	High	Low - Med <sup>2</sup>	

679.7(a)(13)(i)			
16. Fail to release halibut by cutting ganion, twisting or straightening hook - 679.7(a)(13)(ii)	Med	Low - Med	
17. Puncture or gaff a halibut - 679.7(a)(13)(iii)	Low	Med	
18. Crucify or otherwise strip halibut by contact with the vessel 679.7(a)(13)(iv)	Med	Med	Possible?
19. Retain or possess prohibited species - 679.7(a)(12)	Low	Med - High	Possible?
20. Fail to collect seabirds - 679.51(e)(1)	Med	High	
21. Fail to deploy or meet seabird avoidance gear performance standards - 679.24(e)(4)	High	Med - High	
22. Pursue, take, capture, kill any migratory bird - 16USC 703(a)	Low	High	
23. Fail to make a reasonable effort to release seabirds alive - 679.24(e)(2)	Low	High	
24. Marine pollution	Low	Low - High	Possible

<sup>1</sup> Real time detection capability desired

<sup>2</sup> Seriousness dependent on the particular situation