

HOW IS PD HANDLES BY THE NORWEGIAN AUTHORITIES?

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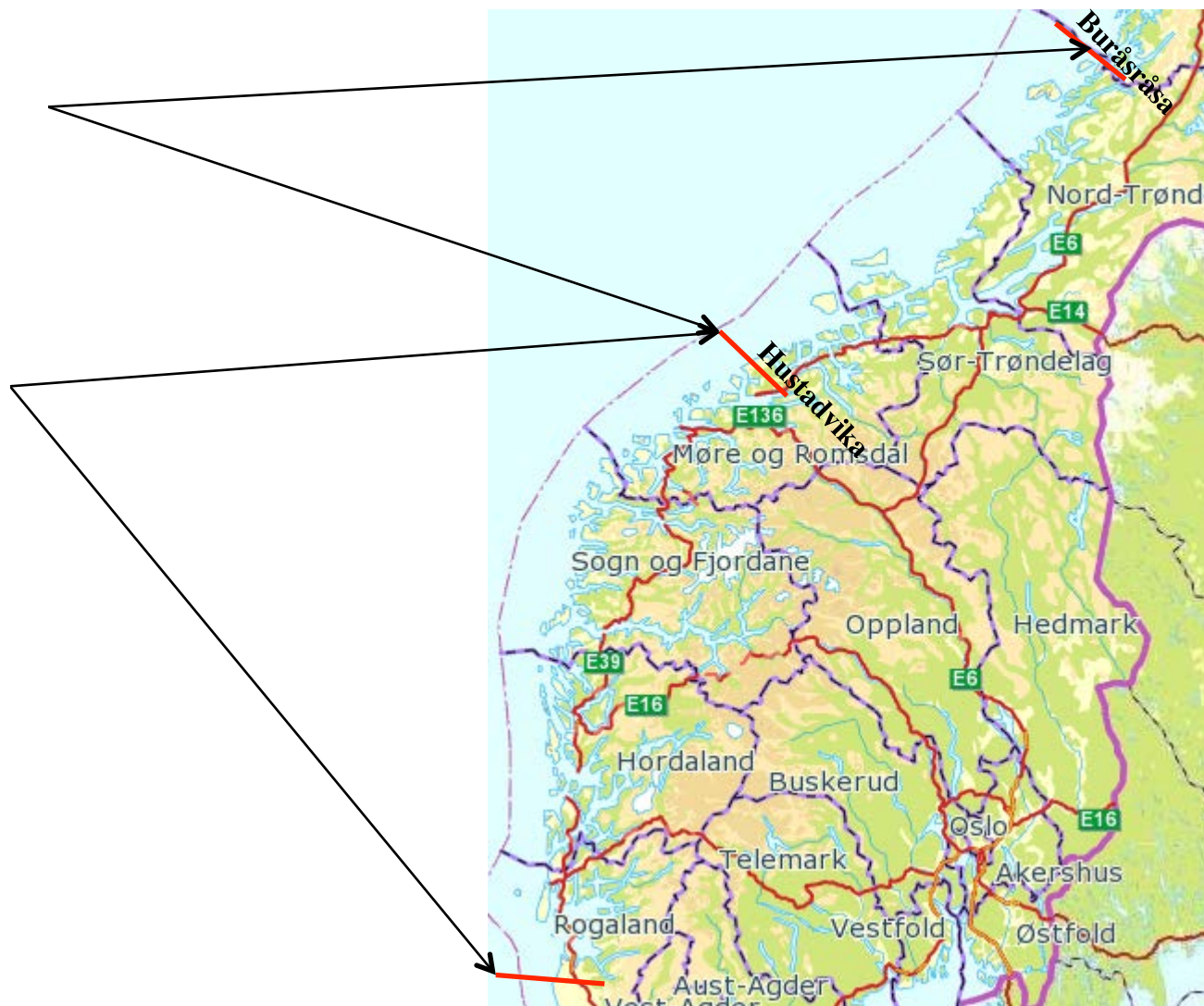
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I will talk about

- PD- Legislation in force.
- Experience and challenges with the current legislation.
- The way forward.

**SAV2-
Regulation -
06.11.2012**

**PD (SAV3)-
Regulation -
20.11.2007**



Strategy

- PD- zone
- SAV 2 - zone
- Eradicate SAV 3 if detected north of Hustadvika.
- Eradicate SAV 2 North of Nordland.
- In areas south of Hustadvika will SAV2 be handled similart to SAV3

SAV – regulation

Zone

- Counties of Rogaland, Hordaland, Sogn og Fjordane og Møre og Romsdal north to Hustadvika

Management requirements

- All farms must be part of a management area
 - Synchronized fallowing
- It is not allowed to;
 - To transport PDV-positive fish-groups out of the zone.
 - To transport fish from farms where infections is suspected out of the zone.
 - To grade PD-positive fish by pumping.

Transport

- The NFSA must be notified and approve all movements of fish into and out of the zone.
- The NFSA must be notified and approve all movement of fish within the zone
 - Between management areas.
 - Smolts destined for a farm in sea.

Transport

- Wellboats that have delivered smolts or fish for slaughter to the zone, and that are to return to operate outside the zone, are not allowed to take in ballast water or transport water without approval from NFSA.

Cleaning of nets

- The nets must be transported in closed containers.
- No mix of nets originated from outside and inside the zone.
- Waste water from the cleaning process must be collected and disinfected

Clinical PD - measures

- No fish are allowed to leave the farms without permission from the NFSA.
- Boats, feeding facilities, pens and other equipment must be cleaned and disinfected before it is used again or moved from the farm.
- Synchroniezed fallowing.

Clinical PD - measures

- Fish from the infected farm must be pumped directly from the wellboat into the slaughterhouse.

SAV 2 - regulation

Why?

- SAV 2 Diagnosed in one farm in November 2011. Zoonotic investigations showed that it was infected in September.
- Need for a change in strategy – request from the industry and from the NFSA.

SAV 2 - zone

- Stretches from Hustadvika to the county border between Nord- Trøndelag and Nordland
- SAV 2 endemic area (zone) from Hustadvika to the county border between Sør og Nord-Trøndelag.
- Observation zone in Nord- Trøndelag.
General policy is stamping out.

Management requirements

- All farms must be a part of a management-area; Synchronized fallowing and restocking.
- Fish that has been exposed to sea water during the production must test negative before they can be moved to other farms.
- Farms outside the zone that receive fish from the zone, must test the fish for SAV» after two and four months after they receive the fish.

Health surveillance

- In the endemic area; All farms must monthly test for SAV2 from a minimum of 10 fish
- Regular testing for the presence of SAV2.
 - 10 fish from each fish group, minimum 30 fish per farm, per month.
 - 60 fish groups of fry/smolt exposed to sea water before they are transported from the farm
 - 60 fish that has been exposed to sea water from the zone after they are put in sea.
- All new suspicion of PD must be verified by the Veterinary Institute

Transport

- Slaughter of infected fish must be done according to a plan approved by the NFSA
- It is not allowed to;
 - Move fish that are put into the sea, unless it is for slaughter.
 - Moving fish for slaughter outside the endemic zone.
 - Transport smolts in well boats with open valves.

Well boats (WB) and service vehicles (SW)

- WBs and SWs used in the endemic zone must be cleaned and disinfected and quarantined for two days or dry docked before they are allowed to leave the zone (inspected and verified by authorized animal health professional).
- Service vehicles and personnel
 - Record of all activities in the zone; completed cleaning and disinfection of boat and equipment, sites visited (time and type of assignment)

Cleaning of nets

- The nets must be transported in closed containers. Waste water collected and disinfected at the cleaning facility.
- No mix of nets originated from outside and inside the zone.
- Waste water from the cleaning process must be collected and disinfected

In case of outbreak within endemic area

- The fish are allowed to be fed until slaughter in accordance with approved management plan. The NFSA can order slaughter and destruction.
- Boats, feeding facilities, pens and other equipment must be cleaned and disinfected before it is used again or moved from the farm.
- Synchronized fallowing of the whole management area for at least a month.

In case of outbreak in observation zone

- All neighbouring farms must be tested within a week.
- Boats, feeding facilities, pens and other equipment must be cleaned and disinfected before it is used again or moved from the farm.
- Synchroniezed fallowing in the whole management area for at least a month.

Future plans

A new national regulation

- The regulation south has not been revised according to new knowledge and experience. The measures are not sufficient to handle the current challenges (i.e. two variants of PD).
- We want to implement measures from the SAV2 zone in other parts of the country. forskriften.
- The measures against PD must be coordinated with those against sea lice.