

Conservation Status Assessments

of

Wild Baltic Salmon

within the

EU Habitats Directive

Presented by:

Michael Drutt
michael.drutt@ccb.se

The Habitats Directive

Conservation Status

Outcomes for Wild Salmon

The NGO Challenge

The Habitats Directive

Conservation Status

Outcomes for Wild Salmon

The NGO Challenge

The Habitats Directive

Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora

"the cornerstone of Europe's nature conservation policy"

AIM: "to contribute towards ensuring bio-diversity through the conservation of natural habitats and of wild fauna and flora in the European territory of the Member States to which the Treaty applies" (Art 2)

1. Species protection (Annex I - V)
2. Protected sites (Natura 2000)

The Habitats Directive

Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora

"the **cornerstone of Europe's nature conservation policy**"

AIM: "to contribute towards ensuring bio-diversity through the conservation of natural habitats and of wild fauna and flora in the European territory of the Member States to which the Treaty applies" (Art 2)

1. Species protection (Annex I - V)
2. Protected sites (Natura 2000)

The Habitats Directive

Species protection

ANNEX I = Habitats

ANNEX II = Animal and Plant species

ANNEX III = identifying SCIs and designating SACs

ANNEX IV = strict protection of priority species

ANNEX V = exploitation subject to management measures

The Habitats Directive

Species protection - *Salmo salar*

"a species of community interest"

ANNEX II

- Legal obligation to establish SAC for the species (exc. Finland)

ANNEX V

- Exploitation allowed ONLY if compatible with the maintenance of "favourable conservation status"

The Habitats Directive

Species protection - *Salmo salar*

"a species of community interest"



The Habitats Directive

Species protection - *Salmo salar*

ANNEX I

- "Typical species" within a habitat

ANNEX II

ANNEX V

Freshwater populations only

The Habitats Directive

Conservation Status

Outcomes for Wild Salmon

The NGO Challenge

Conservation Status

Definition (species)

“the sum of the influences acting on the species concerned that may affect the long-term distribution and abundance of its populations within the territory...”

Reporting

Impact of “conservation measures” on conservation status

ARTICLE 17

Conservation Status

Article 17 – every six years

- 1st reporting period 1994 – 2000
 - Report released in January 2004
- 2nd reporting period 2001 – 2006
 - Report released in July 2009
- 3rd reporting period 2007 – 2012
 - Report release 2014/2015

Table 1 – Assessing conservation status of a Species – Parameter Conservation Status

Assessment Parameter	Favourable (FV)	Unfavourable - Inadequate (U1)	Unfavourable - Bad (U2)	Unknown - XX (insufficient information to make an assessment)
Range	Stable (loss and expansion in balance) or increasing <u>AND</u> not smaller than the 'favourable reference range'	Any other combination	Large decline: Equivalent to a loss of more than 1% per year within period specified by MS <u>OR</u> more than 10% below favourable reference range	<i>No or insufficient reliable information available</i>
Population	Population(s) above (not lower than) 'favourable reference population' <u>AND</u> reproduction, mortality and age structure not deviating from normal (if data available)	Any other combination	Large decline: Equivalent to a loss of more than 1% per year (indicative value MS may deviate from if duty justified) within period specified by MS <u>AND</u> below 'favourable reference population' <u>OR</u> More than 25% below favourable reference population <u>OR</u> Reproduction, mortality and age structure strongly deviating from normal (if data available)	<i>No or insufficient reliable information available</i>
Habitat for the species	Area of habitat is sufficiently large (and stable or increasing) <u>AND</u> habitat quality is suitable for the long term survival of the species	Any other combination	Area of habitat is clearly not sufficiently large to ensure the long term survival of the species <u>OR</u> Habitat quality is bad, clearly not allowing long term survival of the species	<i>No or insufficient reliable information available</i>
Future prospects (as regards to population, range and habitat availability)	Main pressures and threats to the species not significant; species will remain viable on the long-term	Any other combination	Severe influence of pressures and threats to the species; very bad prospects for its future, long-term viability at risk.	<i>No or insufficient reliable information available</i>
Overall assessment of CS	All 'green' OR three 'green' and one 'unknown'	One or more 'amber' but no 'red'	One or more 'red'	Two or more 'unknown' combined with green or all "unknown"

Conservation Status

Favourable conservation status

- the **population** is maintaining itself on a long-term basis as a viable component of its natural habitats,

and
- the natural **range** of the species is neither being reduced nor is likely to be reduced for the foreseeable future,

and
- there is, and will probably continue to be, a sufficiently large **habitat** to maintain its populations on a long-term basis.

The Habitats Directive

Conservation Status

Outcomes for Wild Salmon

The NGO Challenge

Outcomes for Wild Salmon

Conservation status - BAD

Member State	Species Range	Species Population	Species Suitable Habitat	Species Future Prospects	Overall
Sweden (SE)	FV	U2	U1	U2	U2
Finland (FI)	FV	FV	FV	FV	FV
Estonia (EE)	U1	U1	U1	U1	U1
Latvia (LV)	FV	FV	XX	FV	FV
Lithuania (LT)	U1	U1	FV	FV	U1
Poland (PL)	U1	U1	U1	FV	U1
Germany (DE)	U2	U1	U1	U1	U2
Denmark (DK)	U2	U2	U2	XX	U2
Overall	U2	U2	U1	U1	U2

Outcomes for Wild Salmon

Conservation status - BAD

Member State	Species Range
Sweden (SE)	FV
Finland (FI)	FV
Estonia (EE)	U1
Latvia (LV)	FV
Lithuania (LT)	U1
Poland (PL)	U1
Germany (DE)	U2
Denmark (DK)	U2
Overall	U2

- Trends – inconsistent

- Favourable reference values - ?

Outcomes for Wild Salmon

Conservation status - BAD

Member State	Species Range	Species Population
Sweden (SE)	FV	U2
Finland (FI)	FV	FV
Estonia (EE)	U1	U1
Latvia (LV)	FV	FV
Lithuania (LT)	U1	U1
Poland (PL)	U1	U1
Germany (DE)	U2	U1
Denmark (DK)	U2	U2
Overall	U2	U2

- Data coherence

- IBSFC Salmon Action Plan Target ... ?

Outcomes for Wild Salmon

Conservation status - INADEQUATE

Member State	Species Range	Species Population	Species Suitable Habitat
Sweden (SE)	FV	U2	U1
Finland (FI)	FV	FV	FV
Estonia (EE)	U1	U1	U1
Latvia (LV)	FV	FV	XX
Lithuania (LT)	U1	U1	FV
Poland (PL)	U1	U1	U1
Germany (DE)	U2	U1	U1
Denmark (DK)	U2	U2	U2
Overall	U2	U2	U1

- Favourable reference values – not reported

- Data quality - poor

Outcomes for Wild Salmon

Conservation status - INADEQUATE

Member State	Species Range	Species Population	Species Suitable Habitat	Species Future Prospects
Sweden (SE)	FV	U2	U1	U2
Finland (FI)	FV	FV	FV	FV
Estonia (EE)	U1	U1	U1	U1
Latvia (LV)	FV	FV	XX	FV
Lithuania (LT)	U1	U1	FV	FV
Poland (PL)	U1	U1	U1	FV
Germany (DE)	U2	U1	U1	U1
Denmark (DK)	U2	U2	U2	XX
Overall	U2	U2	U1	U1

- Future prospects - subjective

Table 1 – Assessing conservation status of a Species – Parameter Conservation Status

Assessment Parameter	Favourable (FV)	Unfavourable - Inadequate (U1)	Unfavourable - Bad (U2)	Unknown - XX (insufficient information to make an assessment)
Range	Stable (loss and expansion in balance) or increasing <u>AND</u> not smaller than the 'favourable reference range'	Any other combination	Large decline: Equivalent to a loss of more than 1% per year within period specified by MS <u>OR</u> more than 10% below favourable reference range	<i>No or insufficient reliable information available</i>
Population	Population(s) above (not lower than) 'favourable reference population' <u>AND</u> reproduction, mortality and age structure not deviating from normal (if data available)	Any other combination	Large decline: Equivalent to a loss of more than 1% per year (indicative value MS may deviate from if duty justified) within period specified by MS <u>AND</u> below 'favourable reference population' <u>OR</u> More than 25% below favourable reference population <u>OR</u> Reproduction, mortality and age structure strongly deviating from normal (if data available)	<i>No or insufficient reliable information available</i>
Habitat for the species	Area of habitat is sufficiently large (and stable or increasing) <u>AND</u> habitat quality is suitable for the long term survival of the species	Any other combination	Area of habitat is clearly not sufficiently large to ensure the long term survival of the species <u>OR</u> Habitat quality is bad, clearly not allowing long term survival of the species	<i>No or insufficient reliable information available</i>
Future prospects (as regards to population, range and habitat availability)	Main pressures and threats to the species not significant; species will remain viable on the long-term	Any other combination	Severe influence of pressures and threats to the species; very bad prospects for its future, long-term viability at risk.	<i>No or insufficient reliable information available</i>
Overall assessment of CS	All 'green' OR three 'green' and one 'unknown'	One or more 'amber' but no 'red'	One or more 'red'	Two or more 'unknown' combined with green or all "unknown"

Outcomes for Wild Salmon

Conservation status - opportunity

- Assessment quality
- Data completeness
- Coherence between Member States

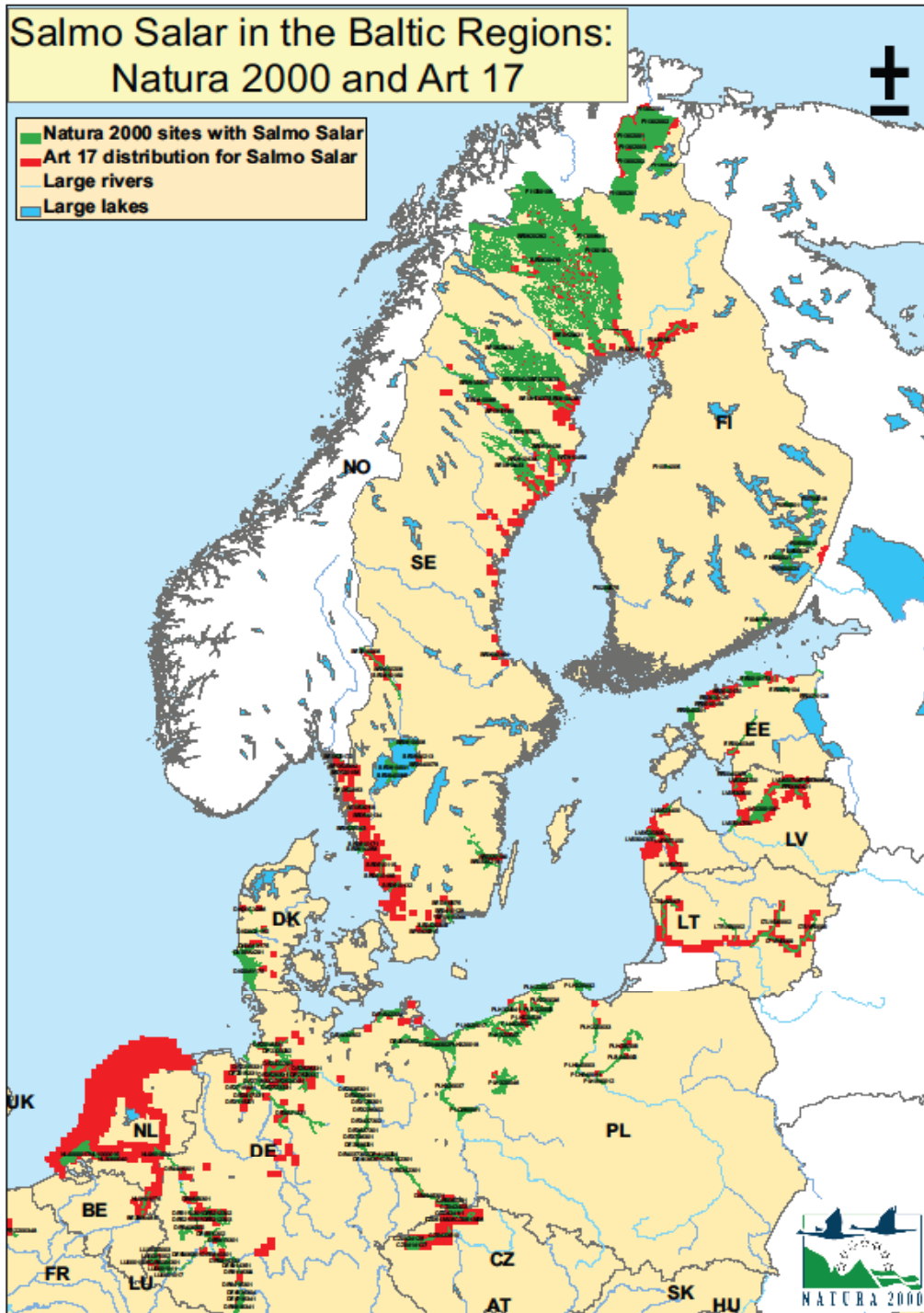
true ecological condition

The Habitats Directive

Conservation Status

Outcomes for Wild Salmon

The NGO Challenge



The NGO Challenge

Habitat Mapping

- Breeding and Spawning habitats
- Improve data quality

Typical Species

- ANNEX I listing (trutta vs salar)
- Estuaries (habitat code 1130)

More information

- <http://biodiversity.eionet.europa.eu/article17>
- www.ices.dk
- <http://ec.europa.eu/environment/nature/>

Thankyou & Questions

Michael Drutt
michael.drutt@ccb.se