Luleälven- idag och imorgon

River Luleälven- today and tomorrow

Fiskmarknad 2016 Luleå
23-25 augusti

Minna Brodin, Fiskeutredningsgruppen
Länsstyrelsen Norrbotten

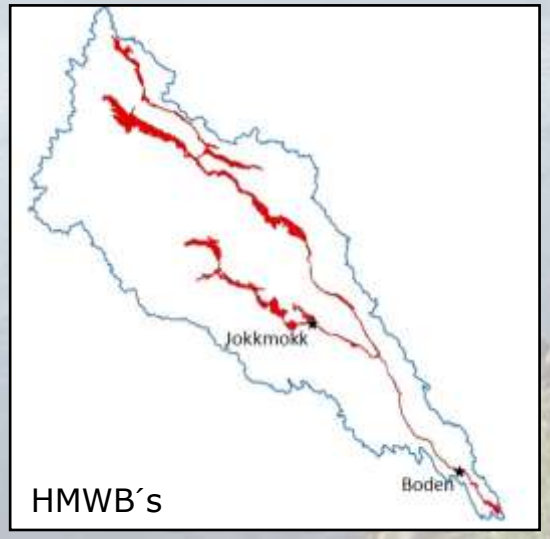
Länsstyrelsen Norrbotten

Luleälven- much water

River	MQ m³/s	Catchment area km²
Götaälven	570	50 299
Luleälven	**506**	**25 240**
Ångermanälven	500	31 864
Indalsälven	445	26 726
Umeälven	443	26 814
Torneälven	388	49 157
Dalälven	344	28 953

Luleälven- much power

- First HEP in Porjus 1915
- Today 16 HEP owned by Vattenfall (some smaller ones in tributaries)



HMWB´s

Årsproduktionen 2014:

Älv	Produktion, TWh
Lule älv	13,4
Indalsälven	8,5
Ume älv	6,8
Ångermanälven	6,8
Dalälven	5,6
Faxälven	3,5
Ljusnan	4,8
Skellefte älv	3,9
Ljungan	2,1
Göta älv	2,1
Klarälven	1,9
Övriga älvar	4,8
Total produktion	**64,2**

(www.svenskenergi.se)

Luleälven- what about the fish?

- 40 km from the coast Boden HEP
- No fishpassages
- 500 000 hatchery salmon smolts, 100 000 trouts smolts in the river each year
- 12 100 trouts in the reservoars each year

Luleälven- What now?

- Water authorities: Action plans for HMWB´s
- Both biological and economical data is needed for the action plans
- Pilots studies in the rivers Luleälven, Dalälven, Nissan and Emån

Länsstyrelsen Norrbotten

Pilotprojekt Luleälven

- Steering group
  - Vattenfall Vattenkraft AB, the county administrative board of Norrbotten, the county administrative board of Västerbotten, the Water authority of the Bothnian bay, the municipality of Jokkmokk
- Working group
  - Vattenfall Vattenkraft AB, the municipality of Gällivare, Jokkmokk, Boden and Luleå, ´the county administrative board of Norrbotten (Vattenmyndigheten, Beredningssekretariatet, Fiskeutredningsgruppen)

VATTENFALL

Gällivare kommun

LULEÅ KOMMUN

JOKKMOKK

Bodens kommun

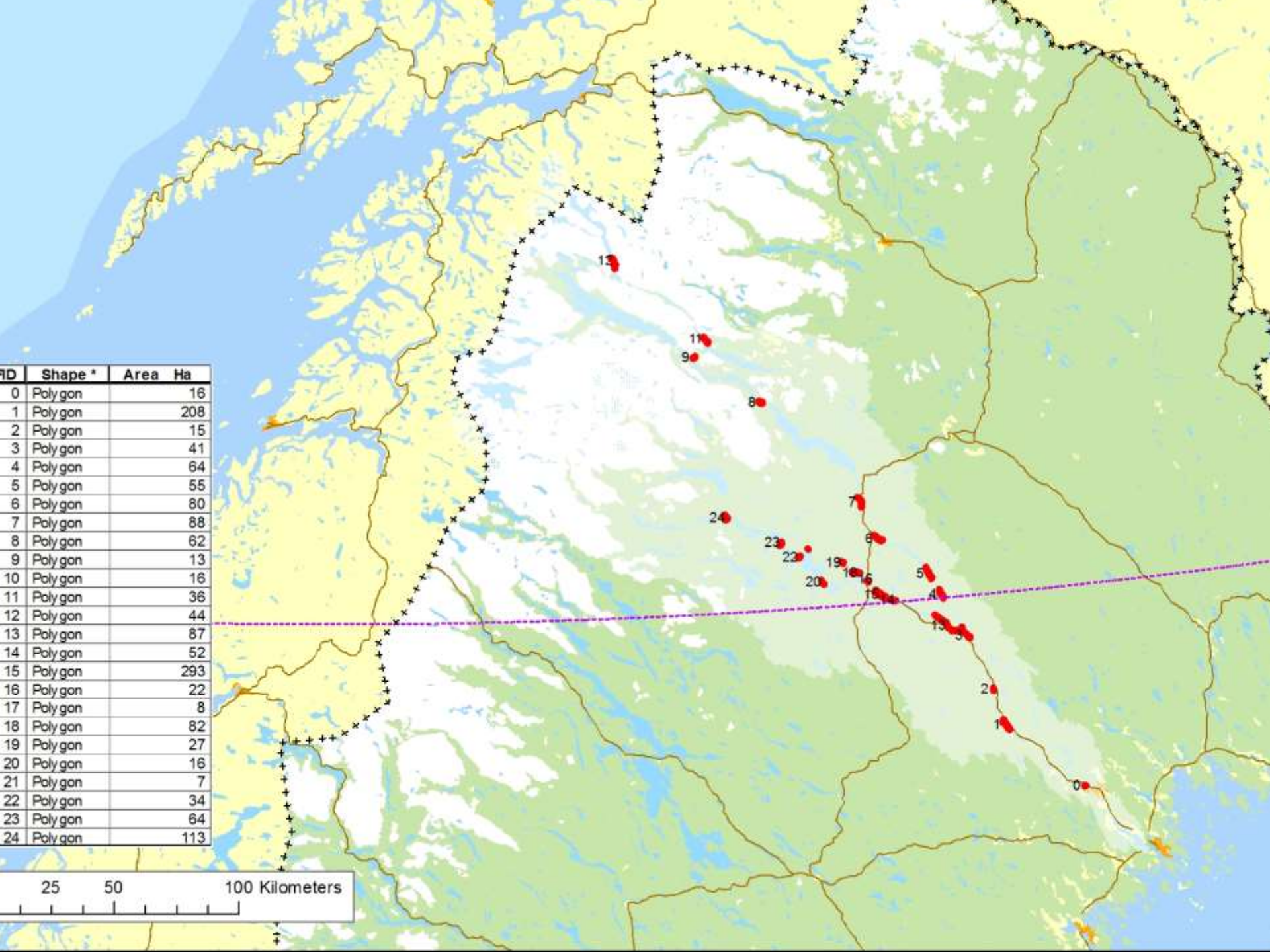
Länsstyrelsen Norrbotten

Pilotprojekt Luleälven - What happens 2016?

- Field studies of streming areas
- Field studies of dry river beds
- Field studies with electrofishing boat
- Possibilites for fish passage at the first two HEP, Boden and Vittjärv
- Field studies of two tributaries, Flarkån och Bodträskån

- Estimates of production impact for some different scenarios - PRODRISK

- Studies aid by:
  - Swedish Agency for Marine and Water Management, Vattenfall Vattenkraft AB, the Wather Authority of Bothnian Bay



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2	Polygon	15
3	Polygon	41
4	Polygon	64
5	Polygon	55
6	Polygon	80
7	Polygon	88
8	Polygon	62
9	Polygon	13
10	Polygon	16
11	Polygon	36
12	Polygon	44
13	Polygon	87
14	Polygon	52
15	Polygon	293
16	Polygon	22
17	Polygon	8
18	Polygon	82
19	Polygon	27
20	Polygon	16
21	Polygon	7
22	Polygon	34
23	Polygon	64
24	Polygon	113

25 50 100 Kilometers

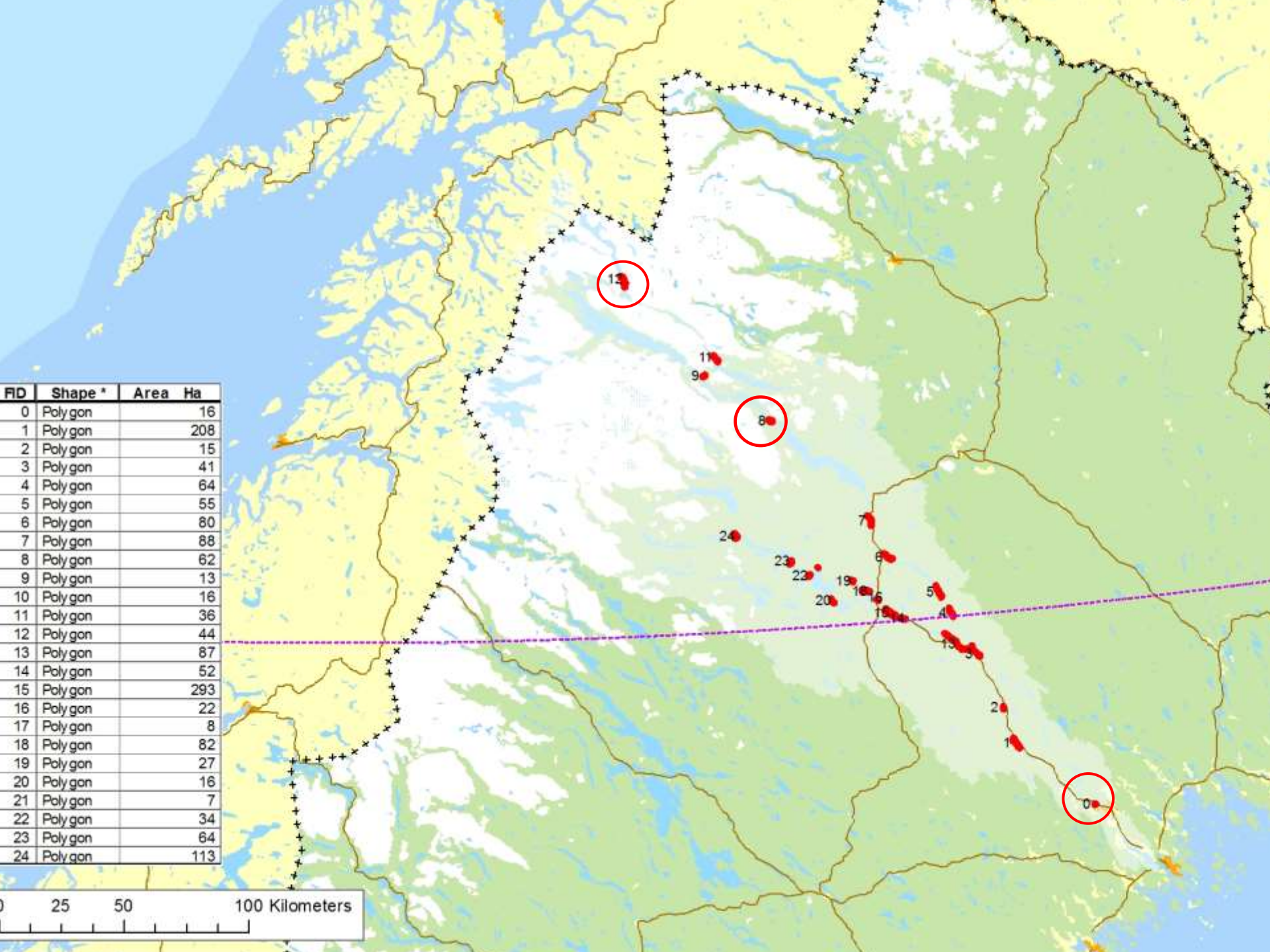
Pilotprojekt Luleälven - working progress

- Field studies during summer and fall 2016
- Input to Swedish Agency for Marine and Water Managements dialogue project
- Conclusions during fall and winter
- Report to the Water Authority of Bothnian Bay in may 2017

Pilotprojekt Luleälven-working progress

- The results will be used as basis for status classification and setting environmental objectives for the HMWB´s in river Luleälven, it will be send out for public hearing in 2018
- The action plan will handle possible measures and also exceptions from ”Good ecological potential”

Länsstyrelsen Norrbotten



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Thanks for listening!

Soon it will be movie time ☺

Länsstyrelsen
Norrbotten