

Eikerenovervåkingen 2019



VESTFOLD VANN IKS

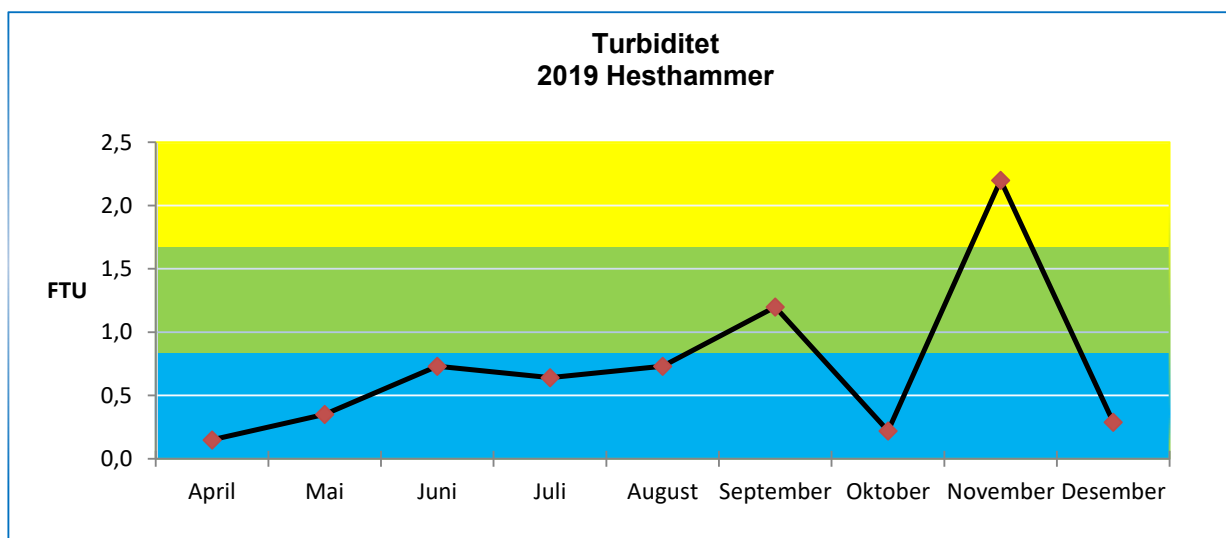
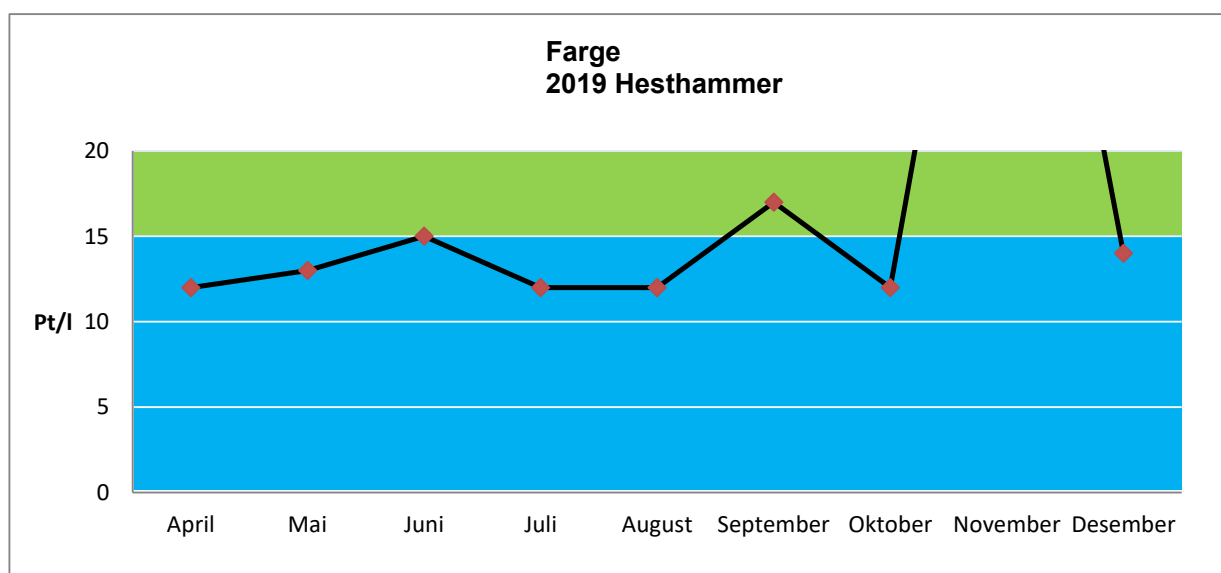
Rent vann vår fremtid

Eikerenovervåkingen 2019

Eikeren Hesthammer 2019 Blandprøve fra overflaten 1 - 10 m

	April	Mai	Juni	Juli	August	September	Oktober	November	Desember
pH	7,3	7,4	7,4	7,5	7,5	7,4	7,3	7,2	7,3
Farge Pt/l	12	13	15	12	12	17	12	50,00	14
Turb. FTU	0,15	0,35	0,73	0,64	0,73	1,20	0,22	2,20	0,29
Tot P µg/P/l	1,0	4,0	1,0	5,0	1,0	4,0	3,0	3,0	3
Tot N µg N/l	750	910	830	850	770	740	770	790	710
Klorofyll µg/l	0,6	4,70	1,4	1,00	2,00	2,80	1,40	1,20	0,00
E-coli ant/100 ml	0	0	2	1	2	1	0	0	0
Kolliforme /100ml	2	6	11	3	9	110	5	1	0
Kimtall /ml	10	100	40	130	80	70	40	20	50
TOC mg/C/l	5,5	6,4	4,5	4,4	3,8	4,3	3,4	3,9	3,4
Siktedyp m	10		5	6,5	5		6,5		
Temperatur	4,6		10,5	16,5	17,4	10,8	10		

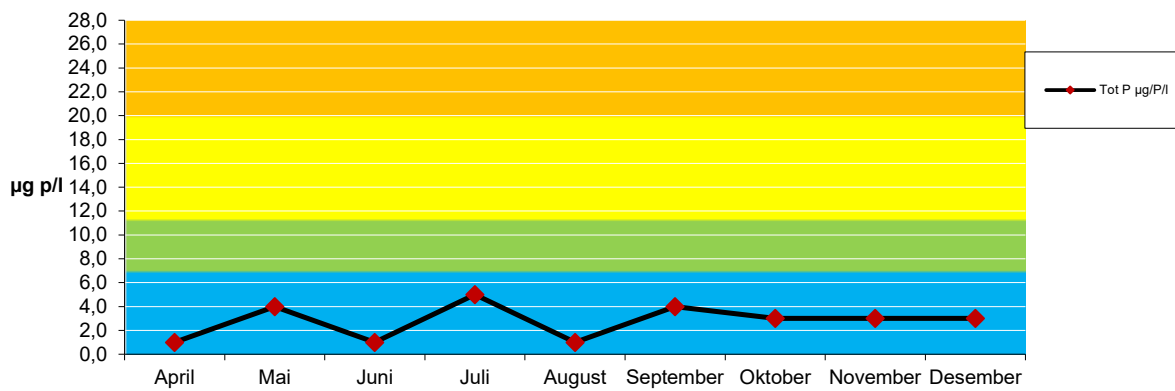
Usikker verdi - mulig forveksling av vannprøver



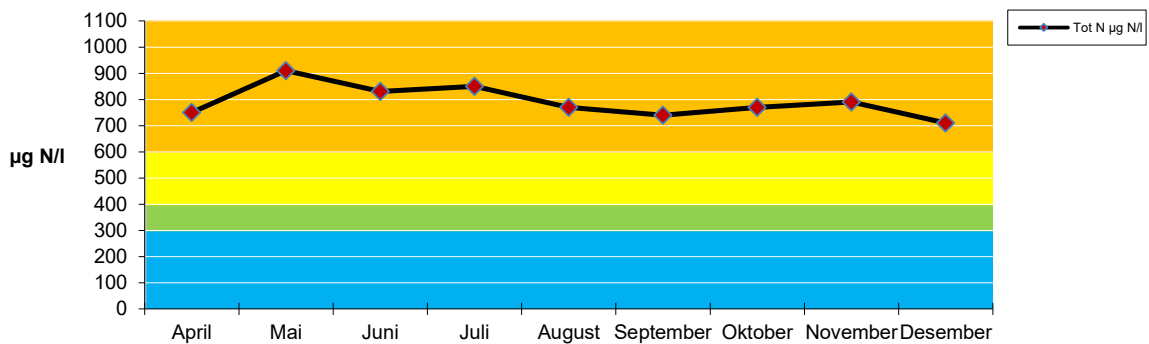
I påvente av gode grenseverdier i klassifiserings veilederen (konferert med Dag Berge, NIVA) for store og dype innsjøer, er det benyttet verdier fra SFTsin veileder 97:04 " Klassifisering av miljøkvalitet i ferskvann. "

Meget god
 God
 Mindre god
 Dårlig

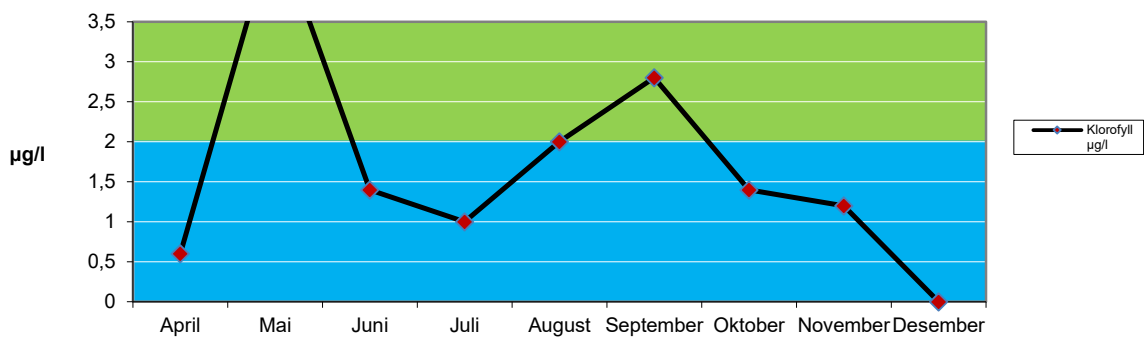
**Tot. fosfor
2019 Hesthammer**



**Tot. nitrogen
2019 Hesthammer**



**Klorofyll a
2019 Hesthammer**



Meget god



God



Mindre god



Dårlig

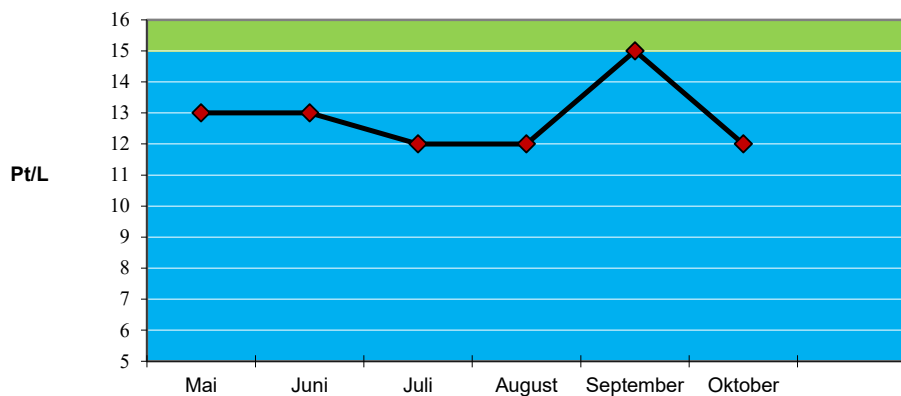
Eikeren - hovedstasjon Analyseresultater 2019 Blandprøver fra overflaten 0 - 10 m

Prøvetakingsdatoer:

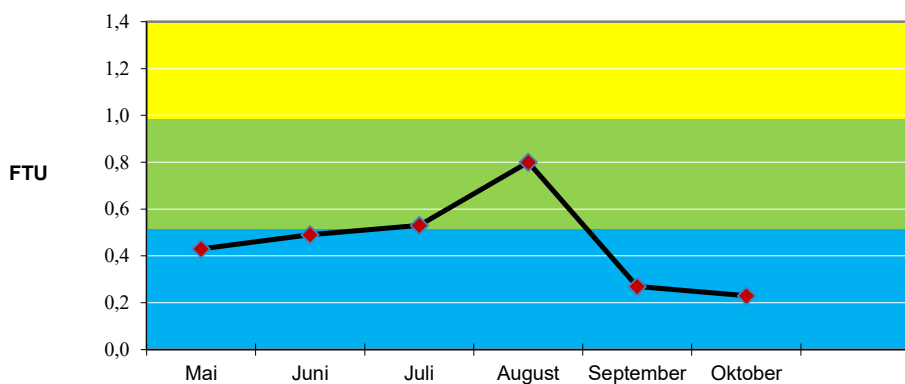
Parameter

	Mai	Juni	Juli	August	September	Oktober
pH	7,4	7,4	7,5	7,5	7,4	7,3
Farge Pt/l	13	13	12	12	15	12
Turb. FTU	0,43	0,49	0,53	0,80	0,27	0,23
Tot P µg/P/l	4,0	1,0	3,0	1,0	2,0	2,0
Tot N µg N/l	100	760	820	840	730	730
Klorofyll µg/l	4,00	1,30	1,10	1,60	2,40	1,60
E-coli ant/100 ml	0	1	1	0	0	0
Kolliforme /100ml	5	4	3	8	1	4
Kimtall /ml	60	90	330	130	0	200
TOC	6,3	4,9	4,0	4,4	3,9	3,0
Siktedyp	10,0	6	6,5	6,0		6,5
Temperatur	4,6	13	18,0	17,4		10,0

Farge
2019 Hovedstasjon



Turbiditet
2019 Hovedstasjon



Meget god



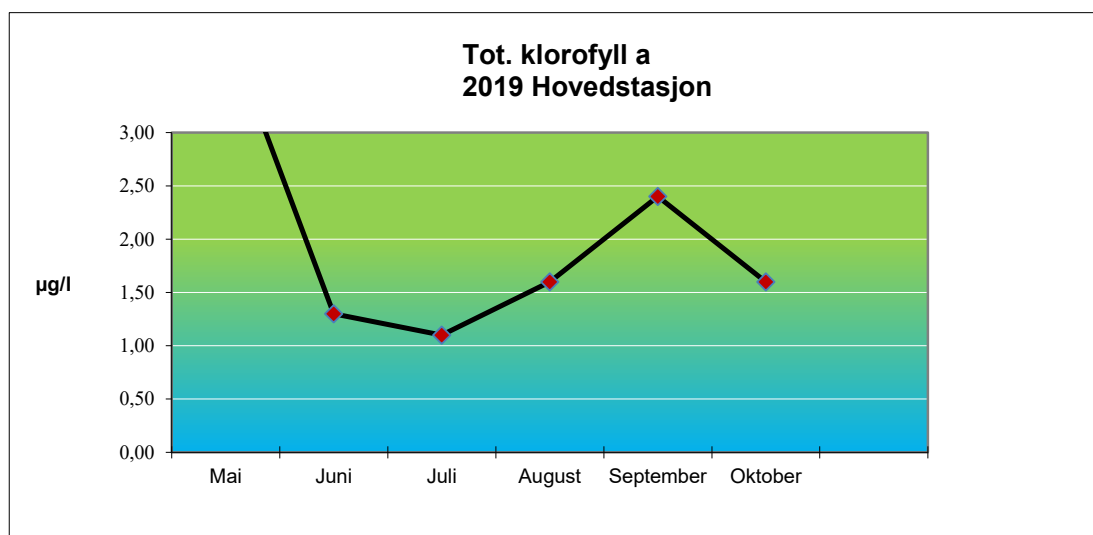
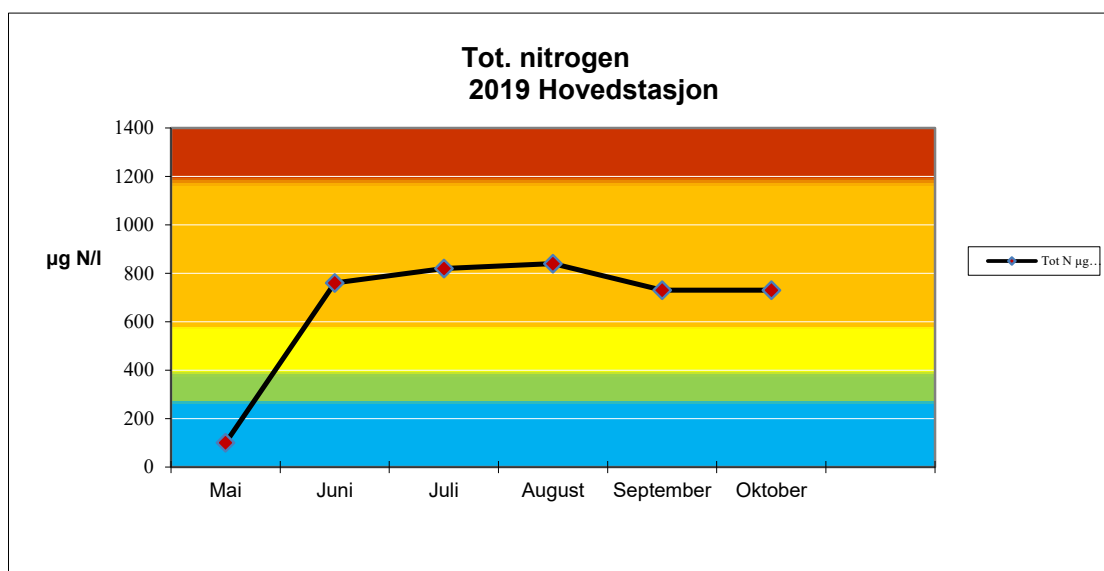
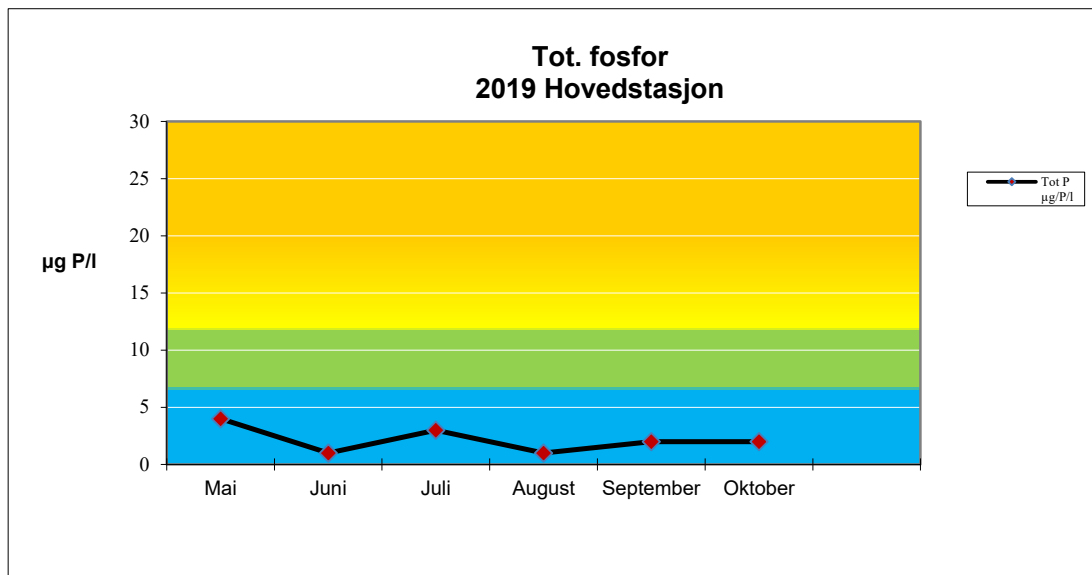
God



Mindre god



Dårlig

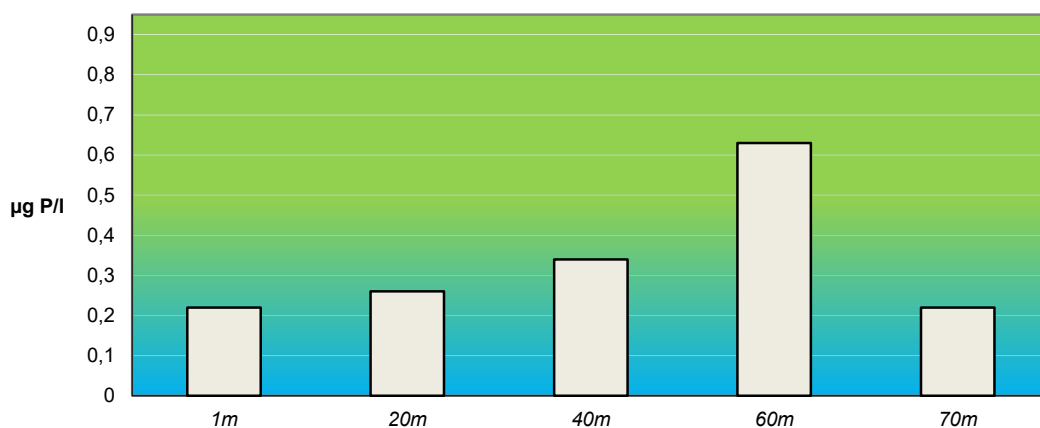


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 Meget dårlig

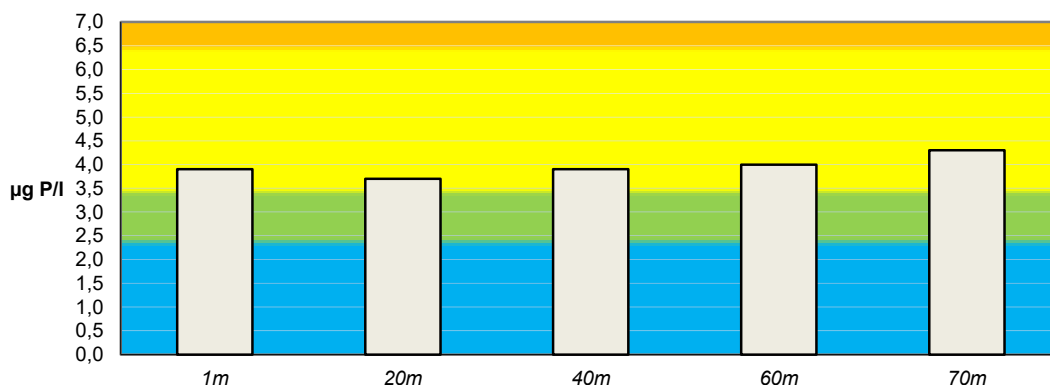
Vannkvalitet i dybdeprofiler i Eikeren Hesthammer

	April 1m	April 20m	April 40m	April 60m	April 70m
pH	7,3	7,3	7,3	7,3	7,3
Farge Pt/l	12	13	13	13	13
Turb. FTU	0,22	0,26	0,34	0,63	0,22
TOC mg/l	3,9	3,7	3,9	4,0	4,3
E-coli ant/100 ml	0	0	0	0	0
Koliforme /100ml	0	0	0	0	0
Kimtall /ml	20	10	20	10	60
Intestinale enterokokker	0	0	0	0	0
Clostridium perfringens	0	0	0	1	1
Jern µg/Fe/l	12,3	12	15	22,1	14,6
Mangan µg Mn/l	2,1	2	2,2	2,7	2,9

Turb. Hesthammer dybde mai 2019



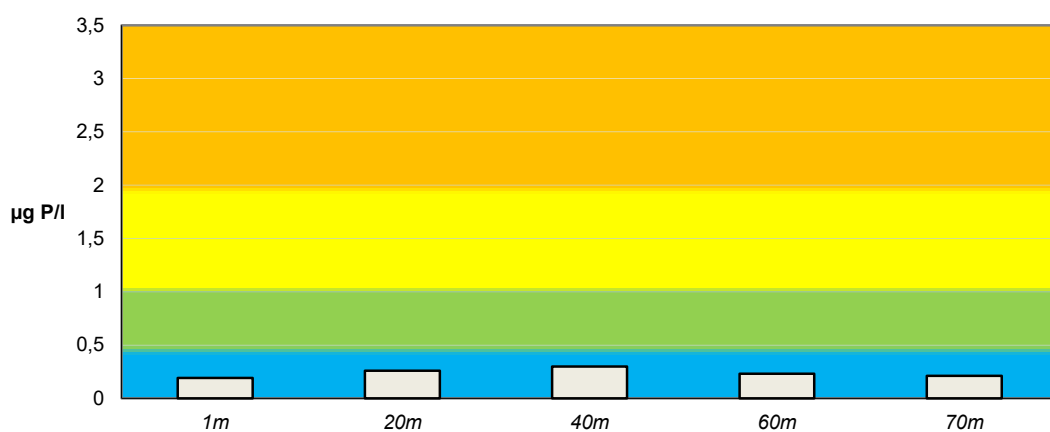
TOC Hesthammer dybde mai 2019



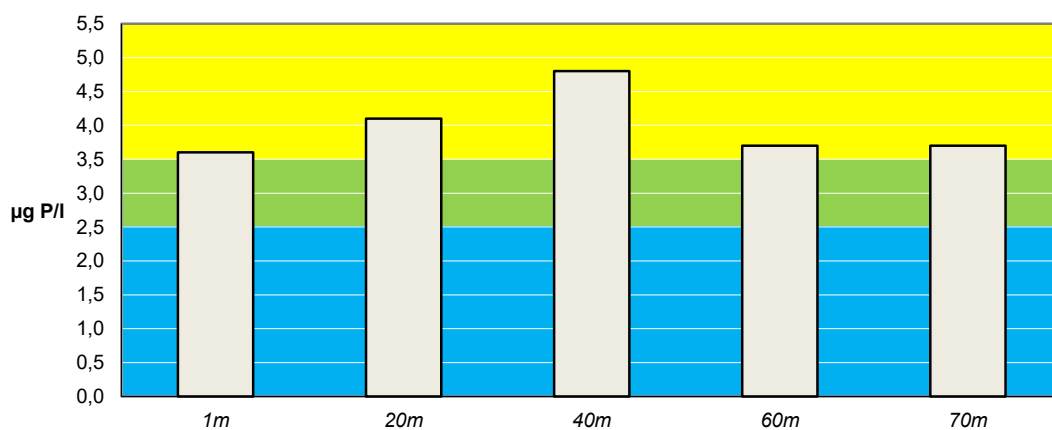
■ Meget god
 ■ God
 ■ Mindre god
 ■ Dårlig

	Sept 1m	Sept 20m	Sept 40m	Sept 60m	Sept 70m
pH	7,4	7,4	7,3	7,3	7,4
Farge Pt/l	14	14	15	14	14
Turb. FTU	0,19	0,26	0,3	0,23	0,21
TOC mg/l	3,6	4,1	4,8	3,7	3,7
E-coli ant/100 ml	0	0	2	0	0
Koliforme /100ml	1	1	1	2	1
Kimtall /ml	10	120	220	60	100
Intestinale enterokokker	0	0	0	0	0
Clostridium perfringens	1	0	0	0	0
Jern µg/Fe/l	7,6	8,5	9,8	8,5	7,2
Mangan µg Mn/l	3,2	2,6	2,2	2,4	2,8
Temperatur	14	14	9	6	

Turb. Hesthammer dybde september 2019



TOC Hesthammer dybde september 2019



Meget god



God



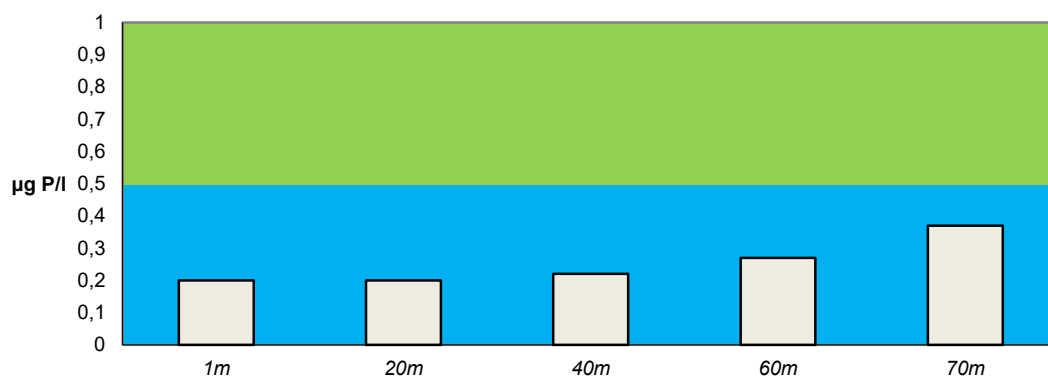
Mindre god



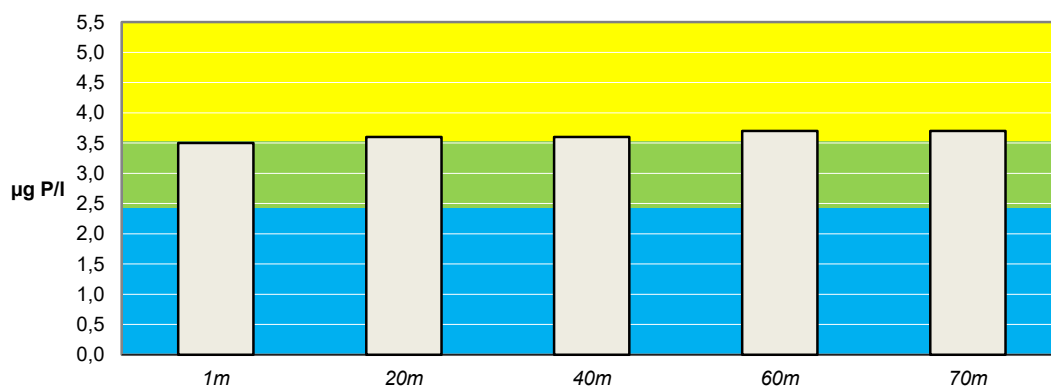
Dårlig

	Des 1m	Des 20m	Des 40m	Des 60m	Des 70m
pH	7,3	7,3	7,3	7,3	7,3
Farge Pt/l	14	14	14	15	15
Turb. FTU	0,2	0,2	0,22	0,27	0,37
TOC mg/l	3,5	3,6	3,6	3,7	3,7
E-coli ant/100 ml	0	0	0	1	1
Koliforme /100ml	1	0	2	0	1
Kimtall /ml	80	70	50	30	200
Intestinale enterokokker	0	0	0	0	0
Clostridium perfringens	0	0	0	0	0
Jern µg/Fe/l	18,9	20	17,7	22,8	28,1
Mangan µg Mn/l	2,2	2,5	2,2	2,5	2,9

Turb. Hesthammer dybde desember 2019



TOC Hesthammer dybde desember 2019



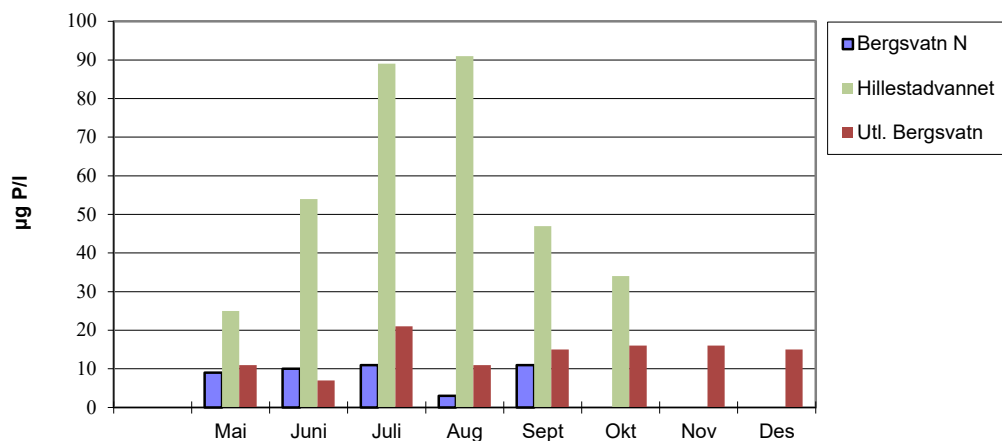
Meget god
 God
 Mindre god
 Dårlig

Vannkvalitet i tilløpsvann 2019

Total fosfor

	Mai	Juni	Juli	Aug	Sept	Okt	Nov	Des
Bergsvatn N	9	10	11	3	11			
Utl. Bergsvatn	11	7	21	11	15	16	16	15
Hillestadvannet	25	54	89	91	47	34		

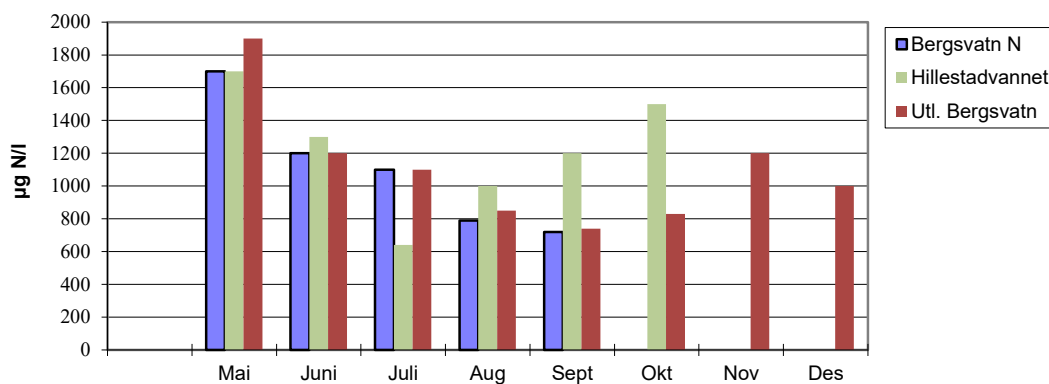
Total fosfor i tilløpsvann 2019



Tot.nitrogen 2019

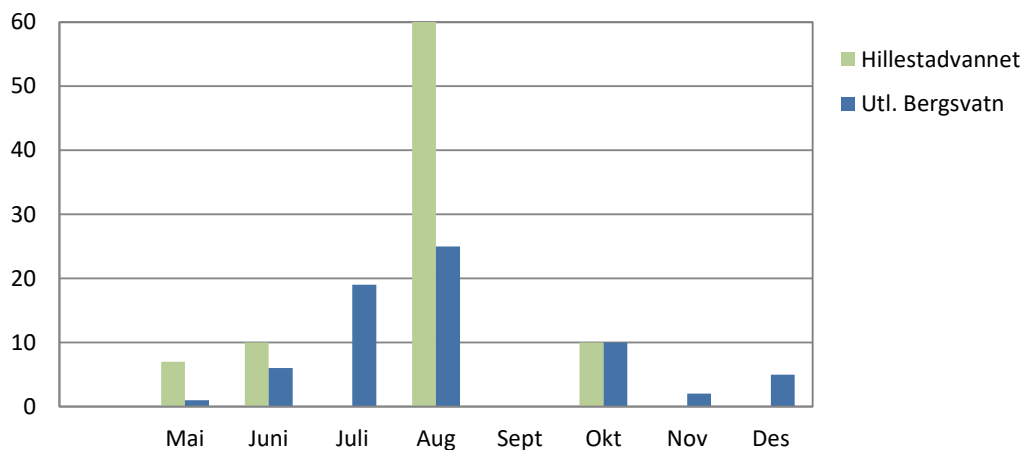
	Mai	Juni	Juli	Aug	Sept	Okt	Nov	Des
Bergsvatn N	1700	1200	1100	790	720			
Utl. Bergsvatn	1900	1200	1100	850	740	830	1200	1000
Hillestadvannet	1700	1300	640	1000	1200	1500		

Total Nitrogen i tilløpsvann 2019

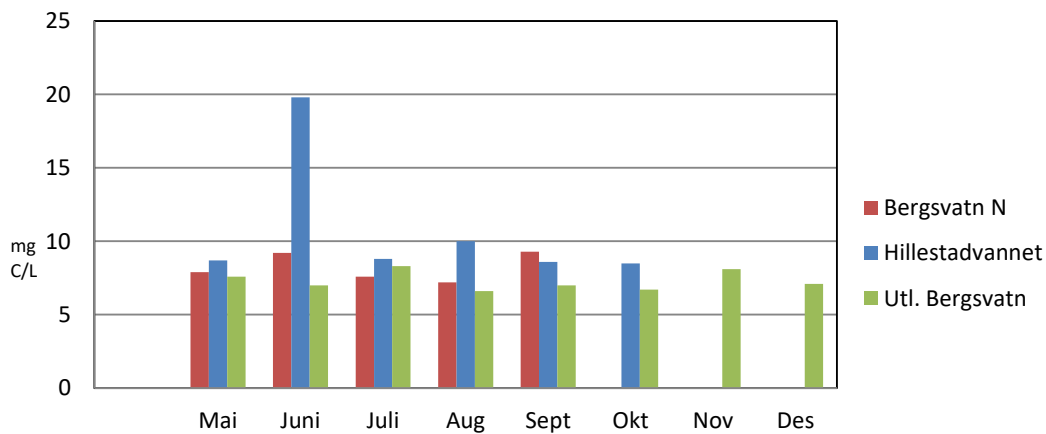


E.coli

	Mai	Juni	Juli	Aug	Sept	Okt	Nov	Des
Hillestadvannet	7	10	0	670	0	10		
Utl. Bergsvatn	1	6	19	25	0	10	2	5

E.coli i tilløpsvann 2019**TOC**

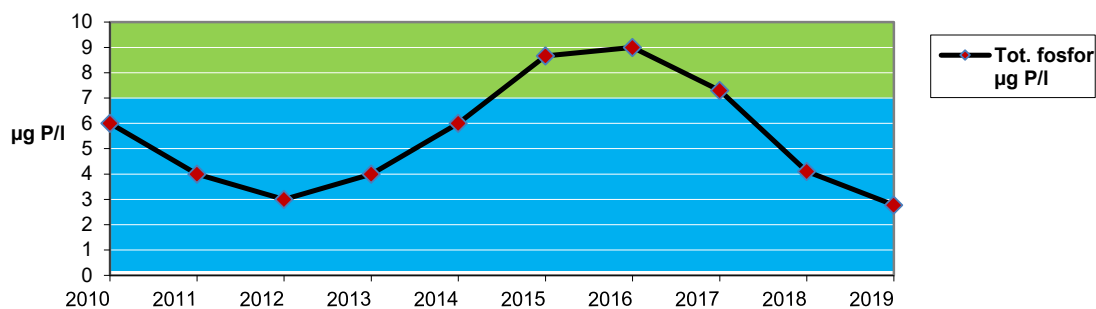
	Mai	Juni	Juli	Aug	Sept	Okt	Nov	Des
Bergsvatn N	7,9	9,2	7,6	7,2	9,3			
Utl. Bergsvatn	7,6	7	8,3	6,6	7	6,7	8,1	7,1
Hillestadvannet	8,7	19,8	8,8	10	8,6	8,5		

TOC i tilløpsvann 2019

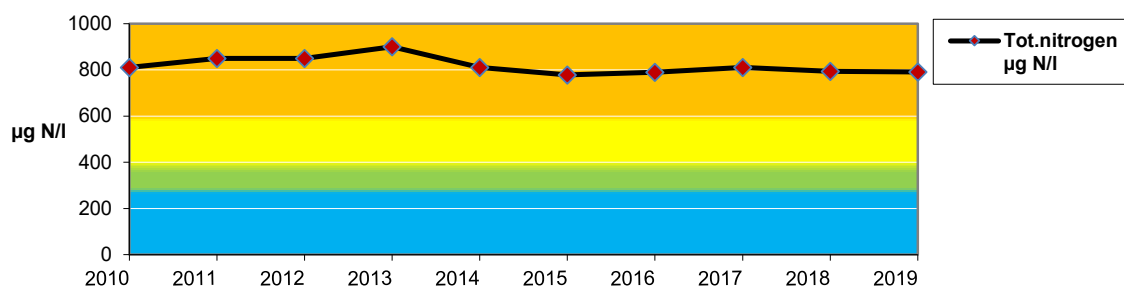
Sammendrag Hesthammer, blandprøver fra overflaten 0 - 10 m

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Tot. fosfor $\mu\text{g P/l}$	6	4	3	4	6	8,7	9	7,3	4,1	2,8
Tot.nitrogen $\mu\text{g N/l}$	810	850	850	900	810	778	790	811	794	791
Klorofyll a $\mu\text{g/l}$	1,4	1,1	1,7	1,2	1,1	2,7	1,3	1,1	1,1	1,7

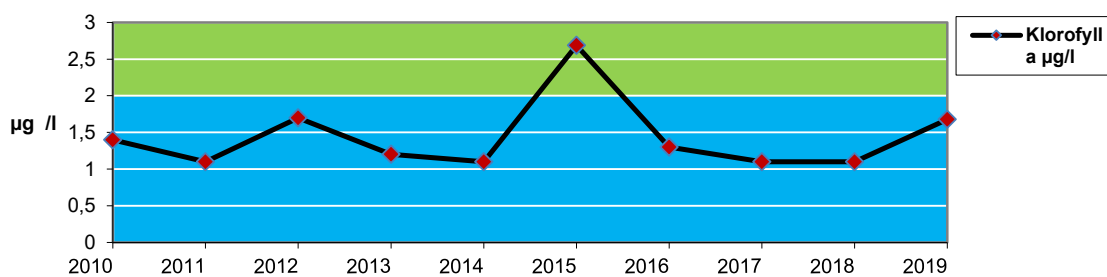
Sammendrag blandprøver totalfosfor



Sammendrag blandprøver totalnitrogen



Sammendrag klorofyll a



Meget god
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 Mindre god
 Dårlig