

ANLAGEN



Forschungskonzeption

Ökologische Forschung in der Stromlandschaft Elbe (Elbe-Ökologie)

des Bundesministeriums für Bildung, Wissenschaft und Forschung (BMBF)

Verbundvorhaben (FKZ 0339566)

„Morphodynamik der Elbe“

Abschlußbericht

Teilprojekt I.3

**1-D-Modellierung der Wasserspiegellagen
und des Feststofftransports**

September 1999

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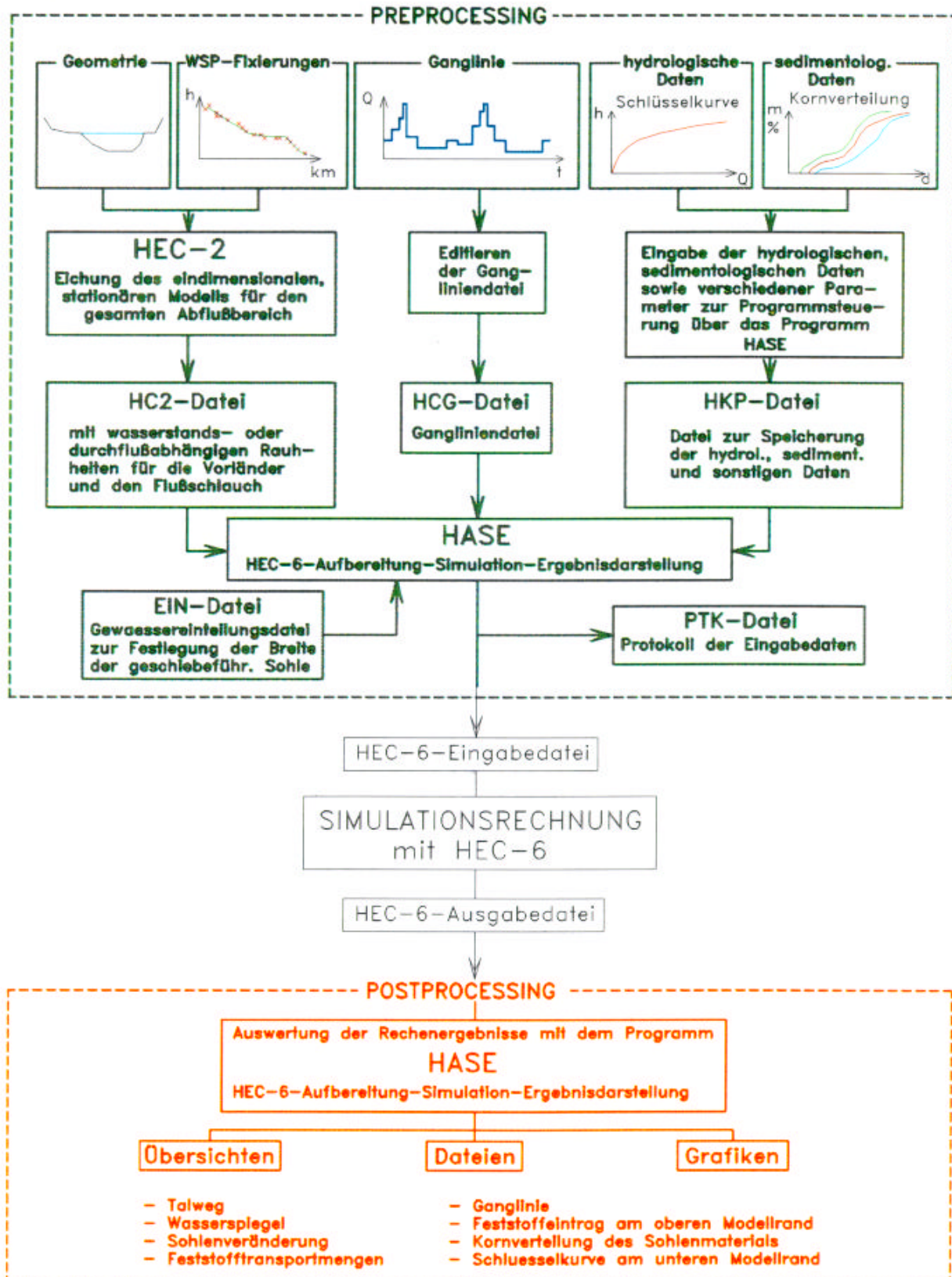
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Anlage I

Methodik

Ablaufschema zur Simulation eines ein-dimensionalen Feststofftransportprozesses mit dem Programm HEC-6



Einteilung der Korngrößenklassen nach DIN 4022

Klasse	Bezeichnung	Korndurchmesser [mm]
Ton		< 0.002
Schluff	Feinschluff Mittelschluff Grobschluff	0.002 - 0.0063 0.0063 - 0.020 0.020 - 0.063
Sand	Feinsand Mittelsand Grobsand	0.063 - 0.20 0.020 - 0.63 0.63 - 2.0
Kies	Feinkies Mittelkies Grobkies	2.0 - 6.3 6.3 - 20.0 20.0 - 63.0
Steine		> 63.0

Einteilung der Korngrößenklassen nach AGU (American Geophysical Union)

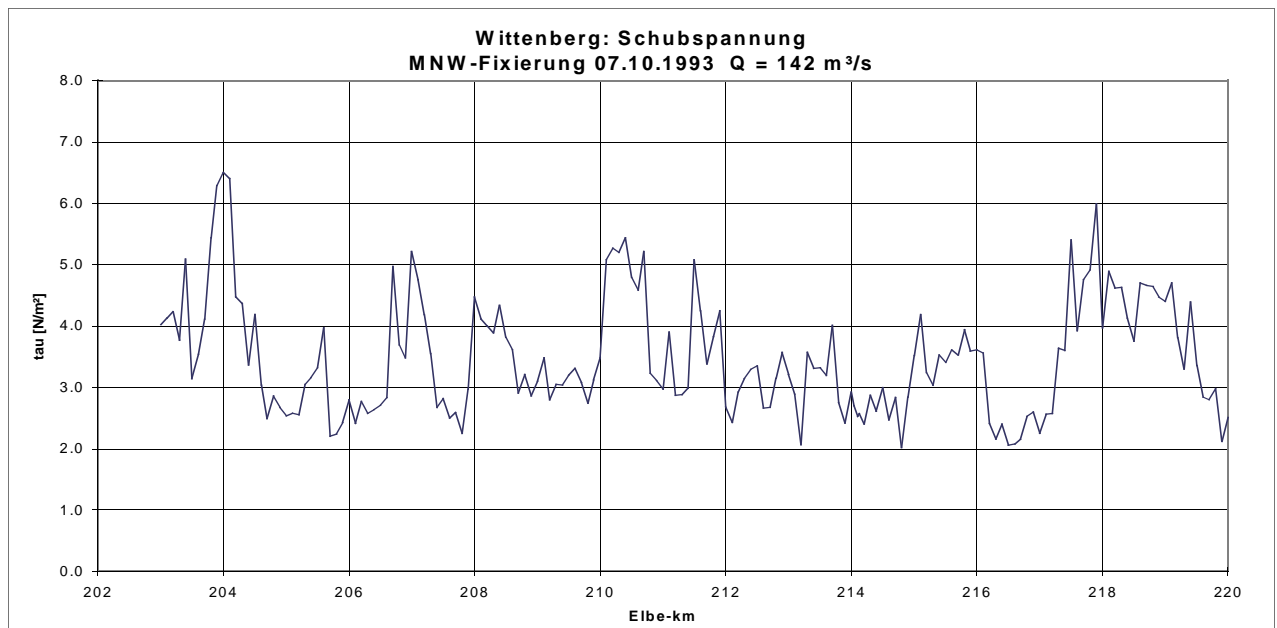
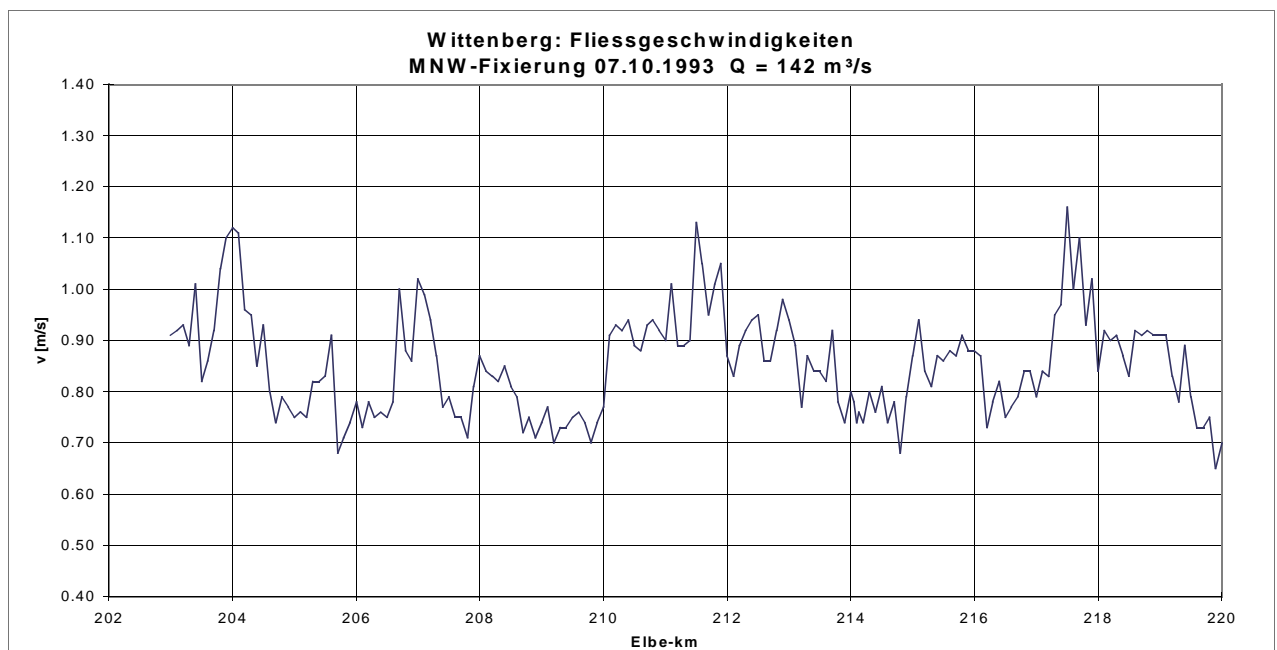
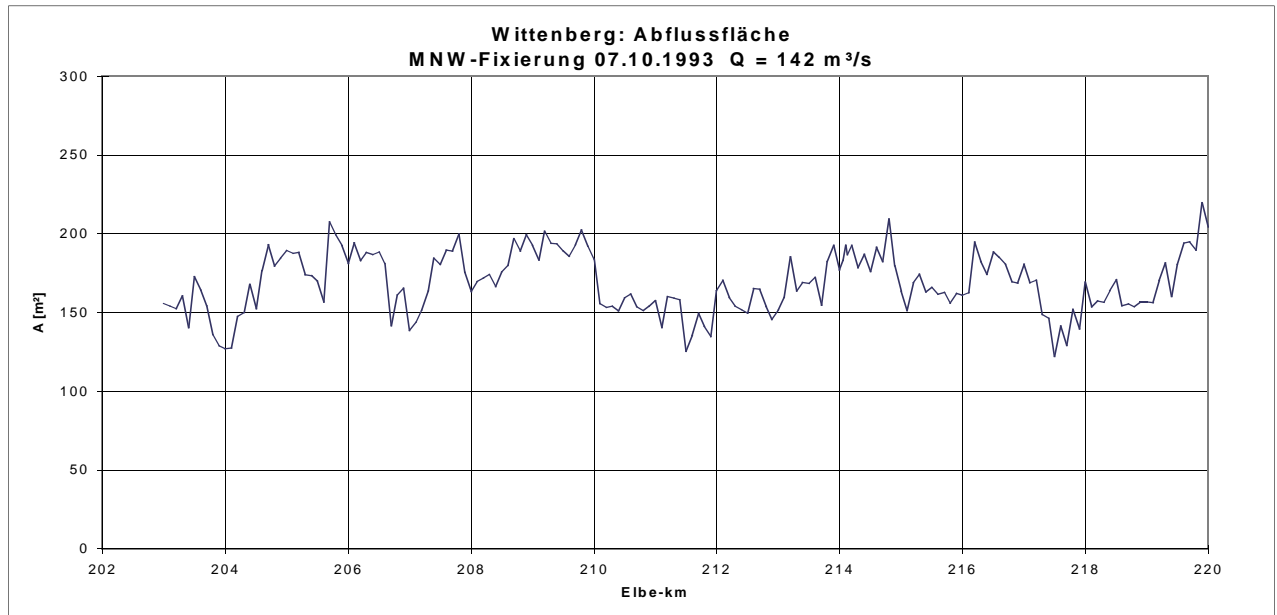
Klasse	Bezeichnung	Korndurchmesser [mm]
Lehm 1	Lehm	0.002 - 0.004
Feinsand 1 2 3 4	sehr feiner Feinsand feiner Feinsand mittlerer Feinsand grober Feinsand	0.004 - 0.008 0.008 - 0.016 0.016 - 0.032 0.032 - 0.0625
Sand und Kies 1 2 3 4 5 6 7 8 9 10	sehr feiner Sand feiner Sand mittlerer Sand grober Sand sehr grober Sand sehr feiner Kies feiner Kies mittlerer Kies grober Kies sehr grober Kies	0.0625 - 0.125 0.125 - 0.250 0.025 - 0.500 0.500 - 1.000 1.000 - 2.000 2.000 - 4.000 4.000 - 8.000 8.000 - 16.000 16.000 - 32.000 32.000 - 64.000

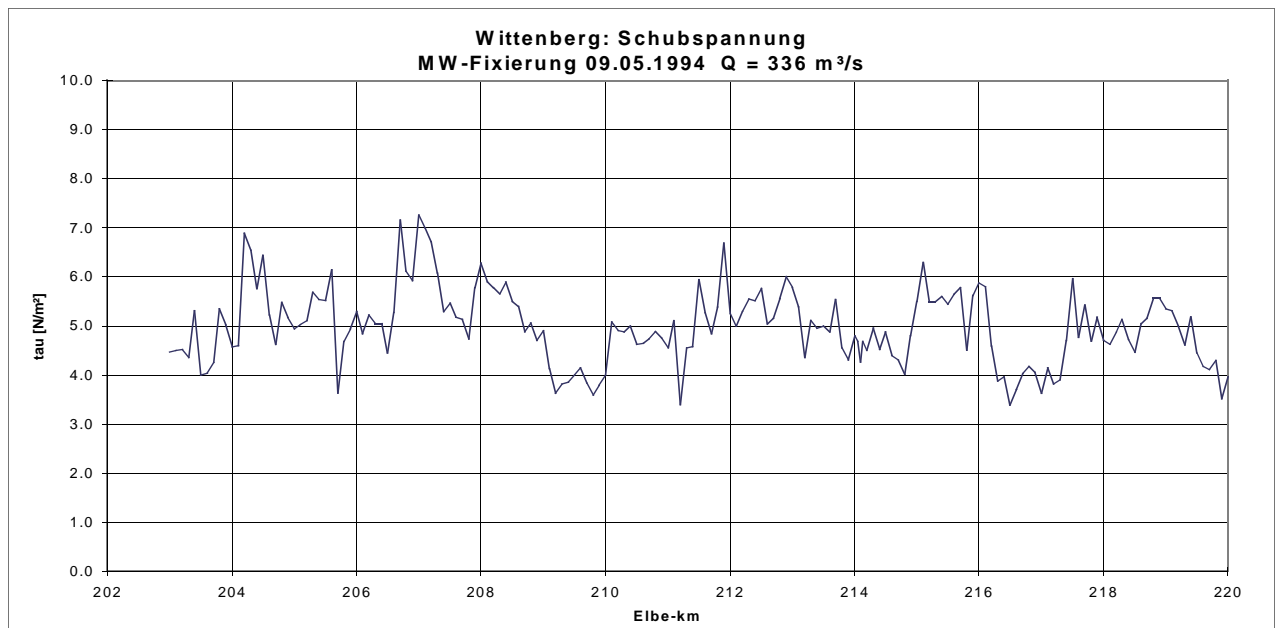
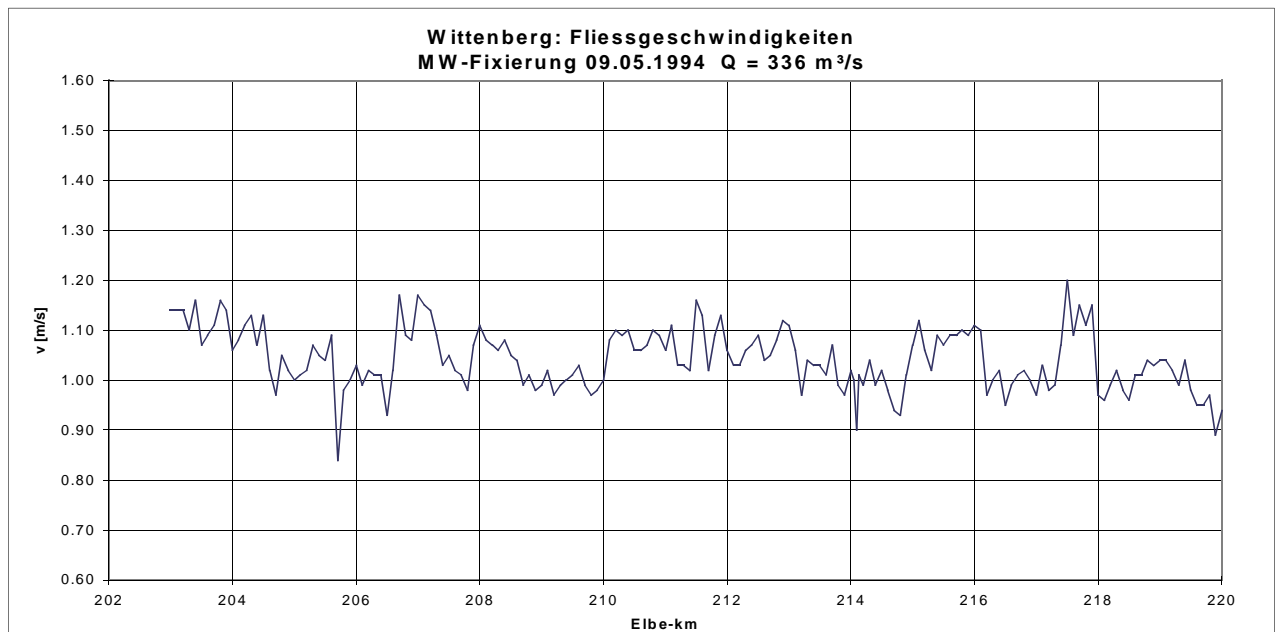
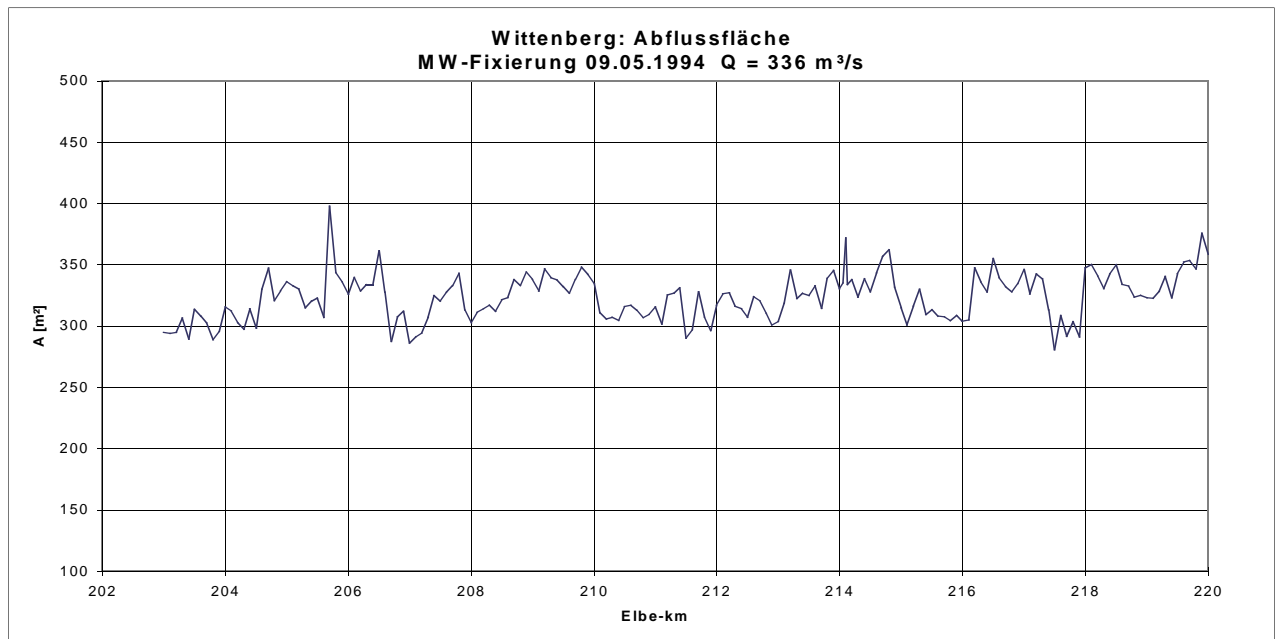
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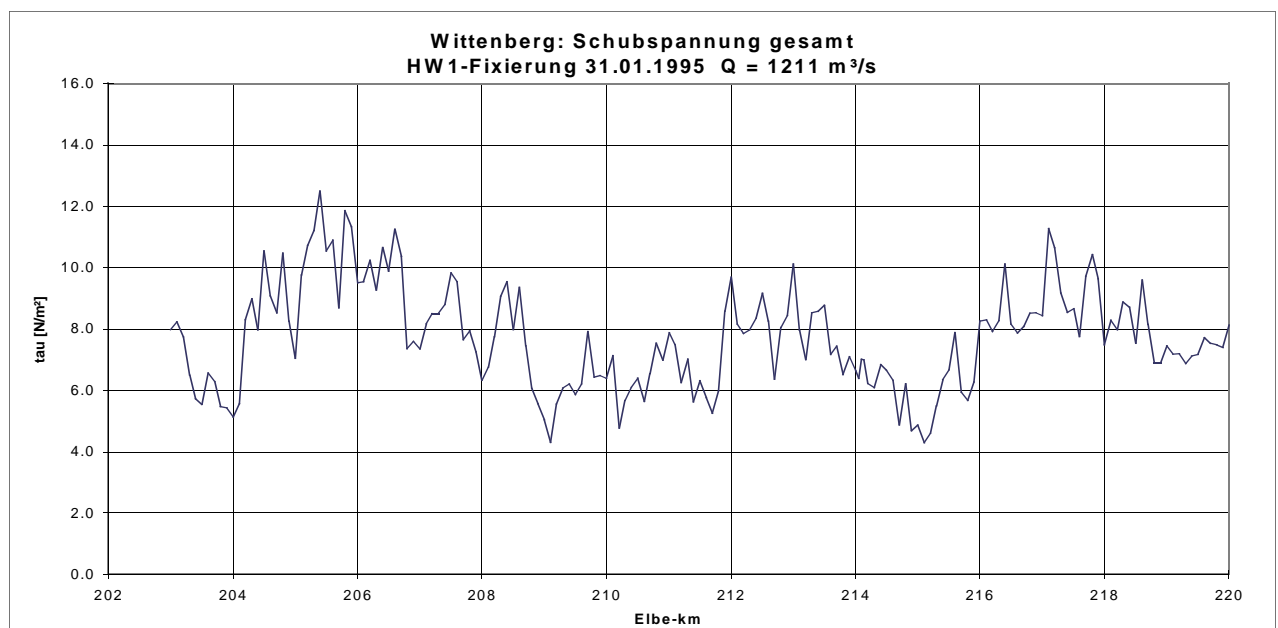
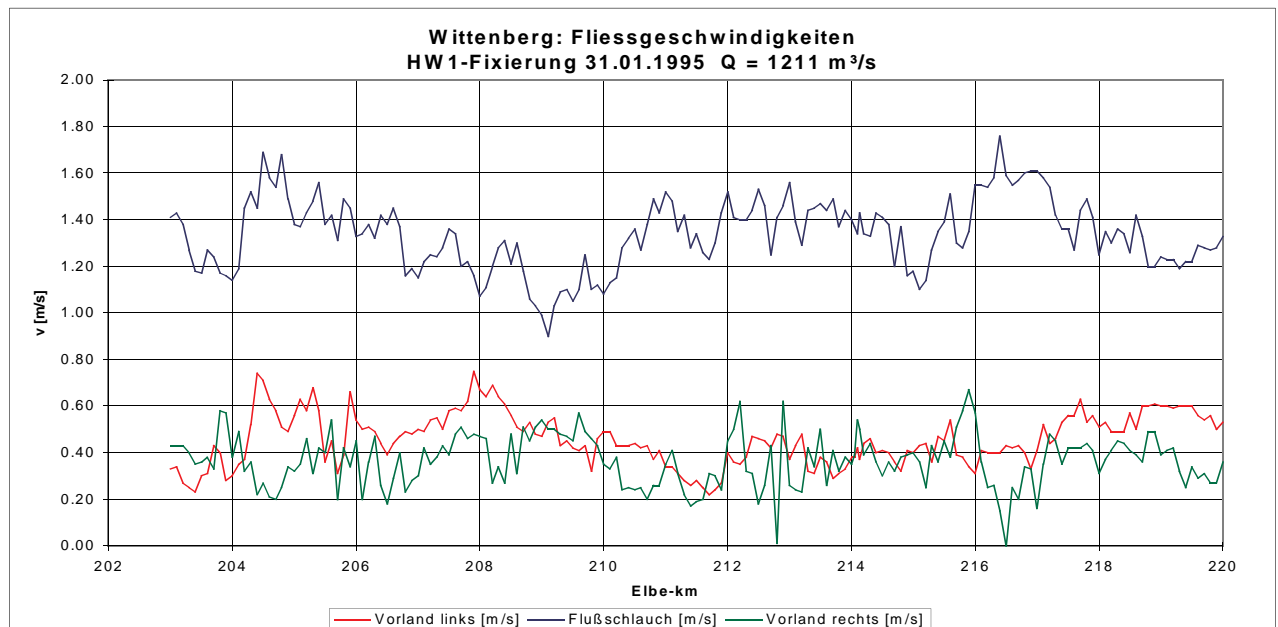
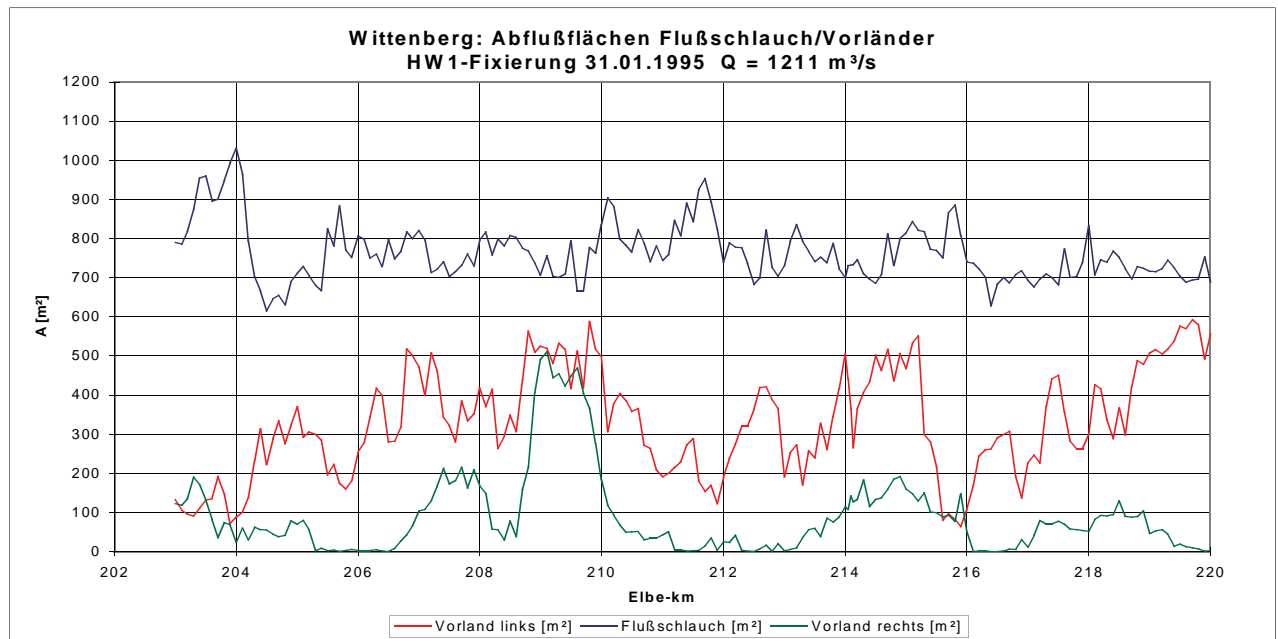
Berechnungsstrecke Wittenberg

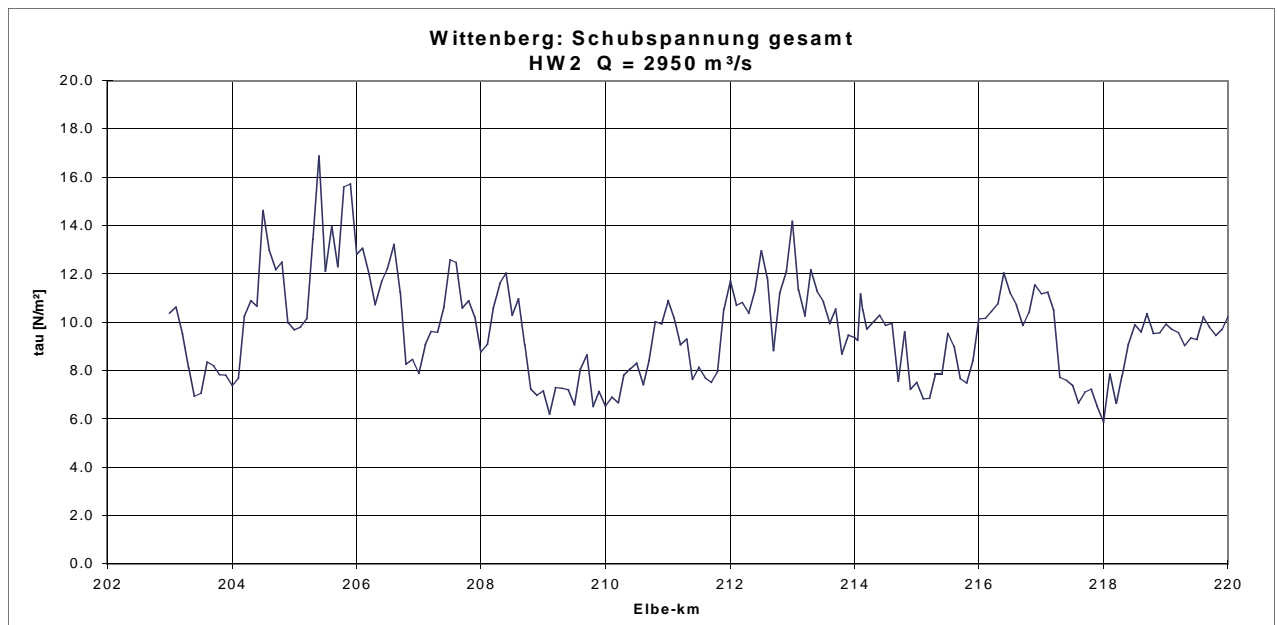
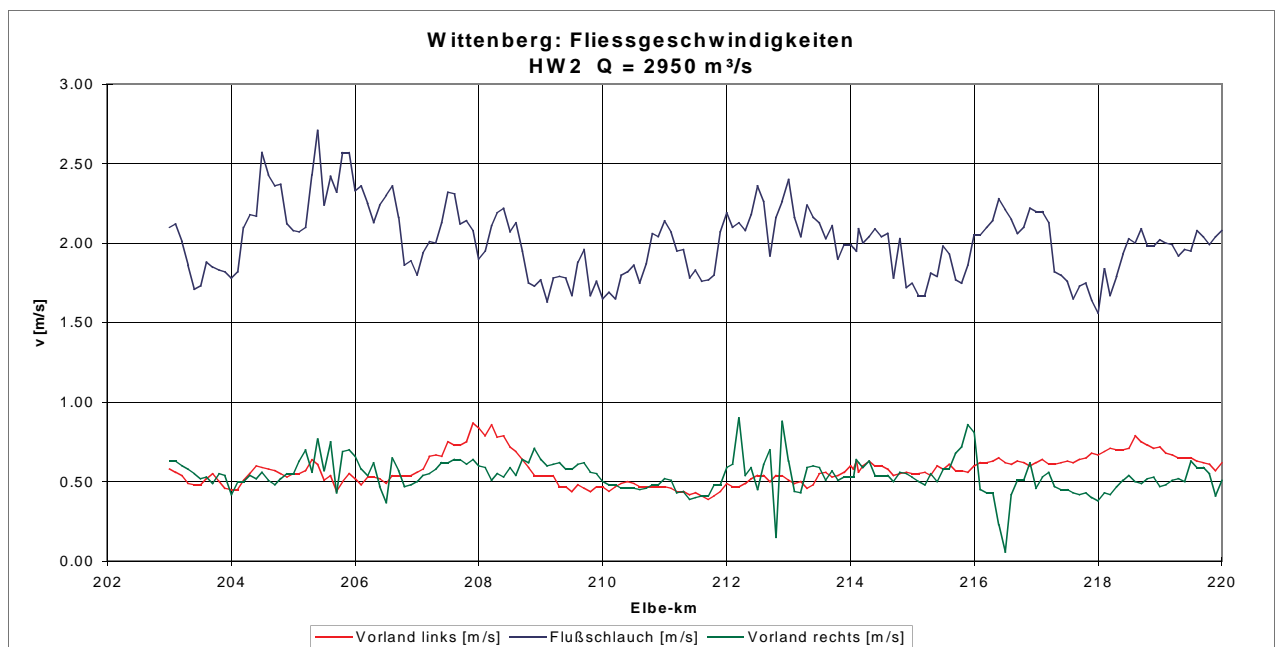
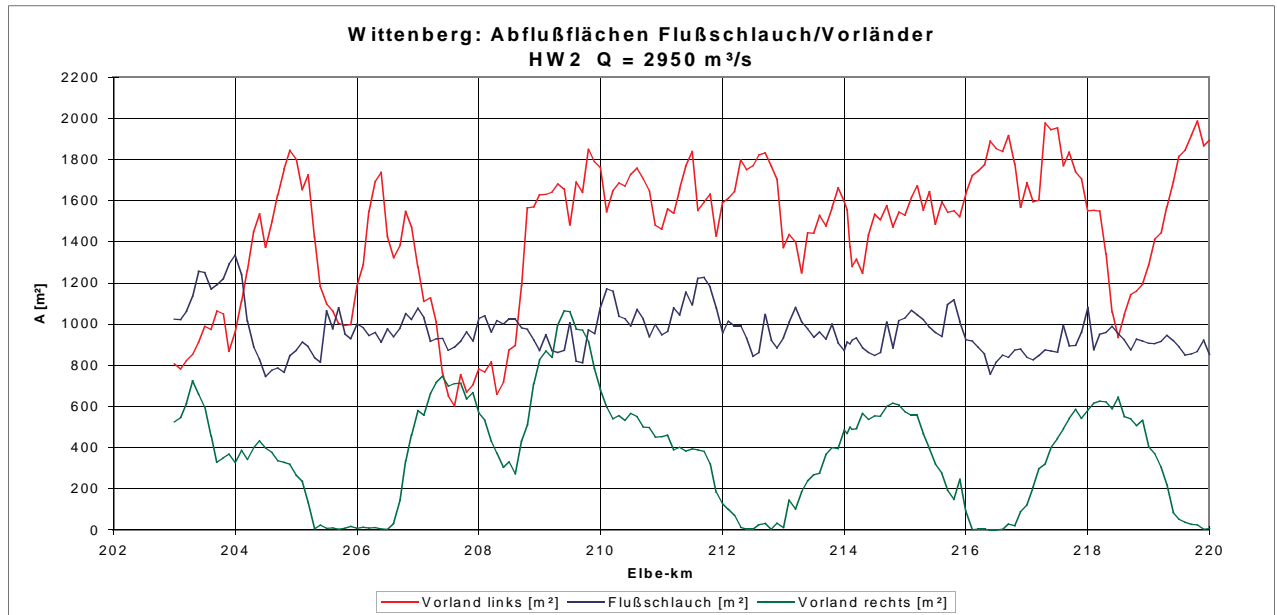
Anlage II-1: Lagepläne (nur gedruckte Version)

Anlage II-2: Hydraulisches Modell









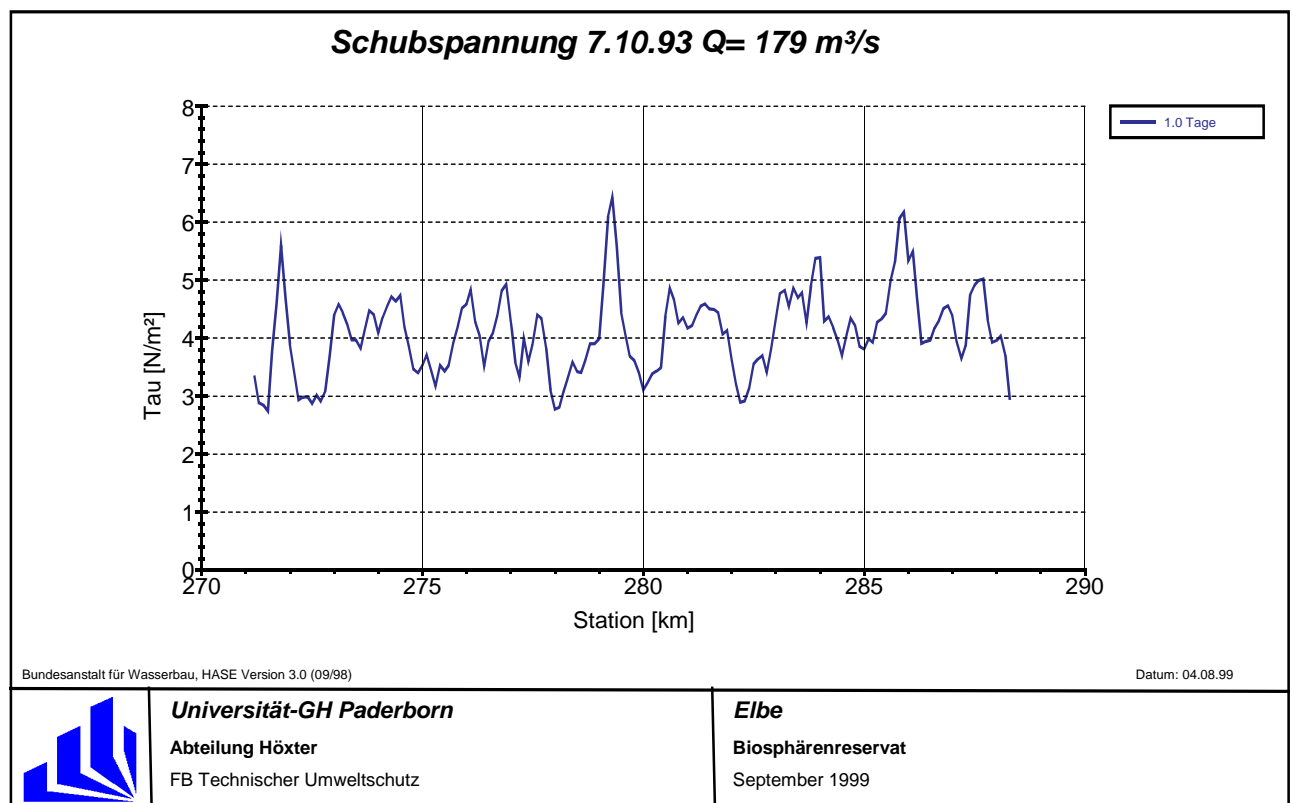
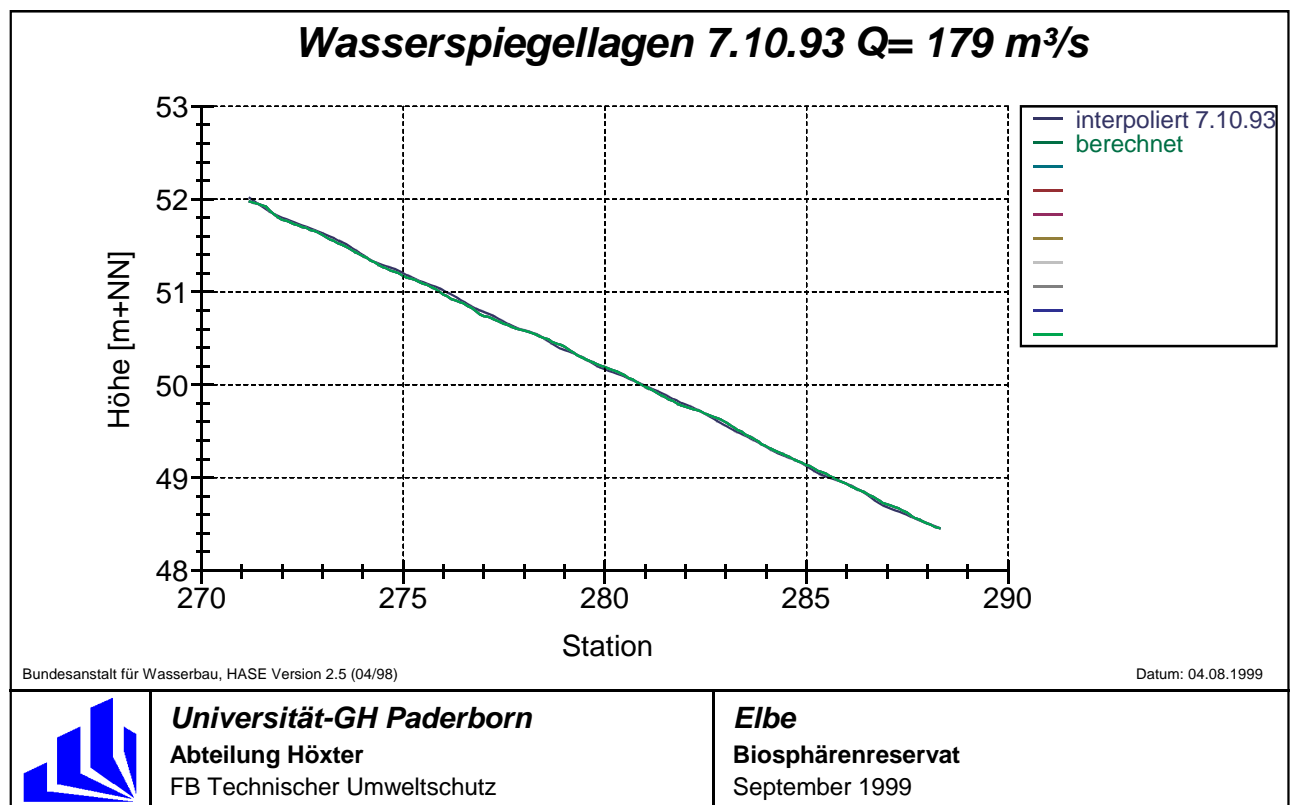
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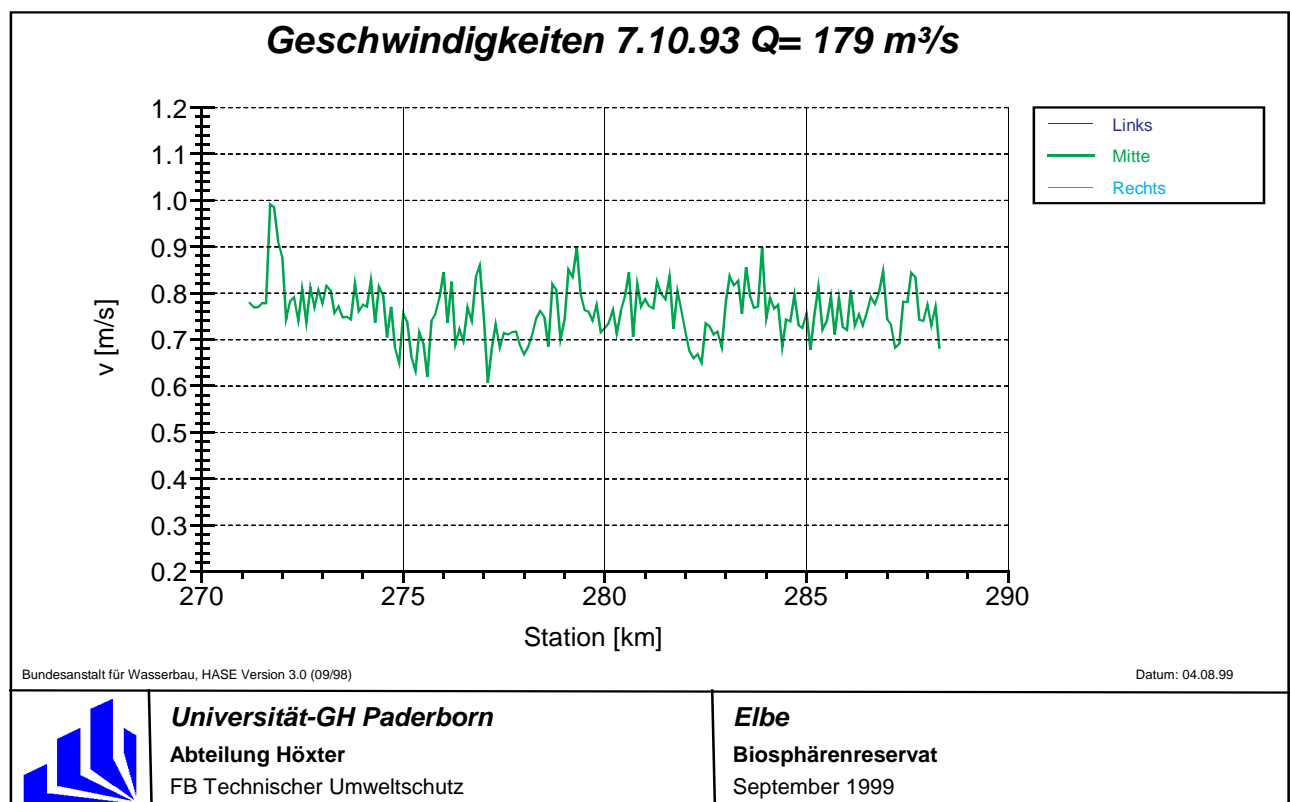
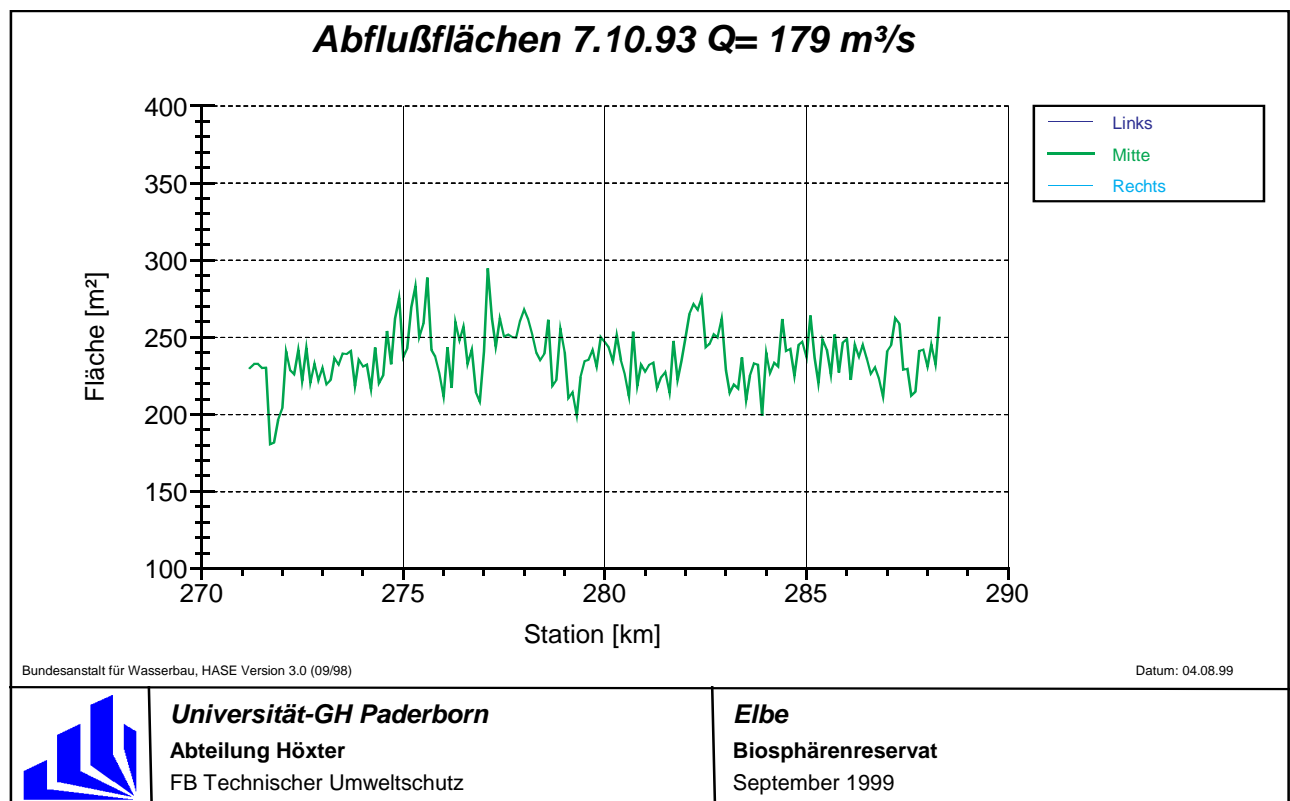
Berechnungsstrecke Biosphärenreservat „Mittlere Elbe“

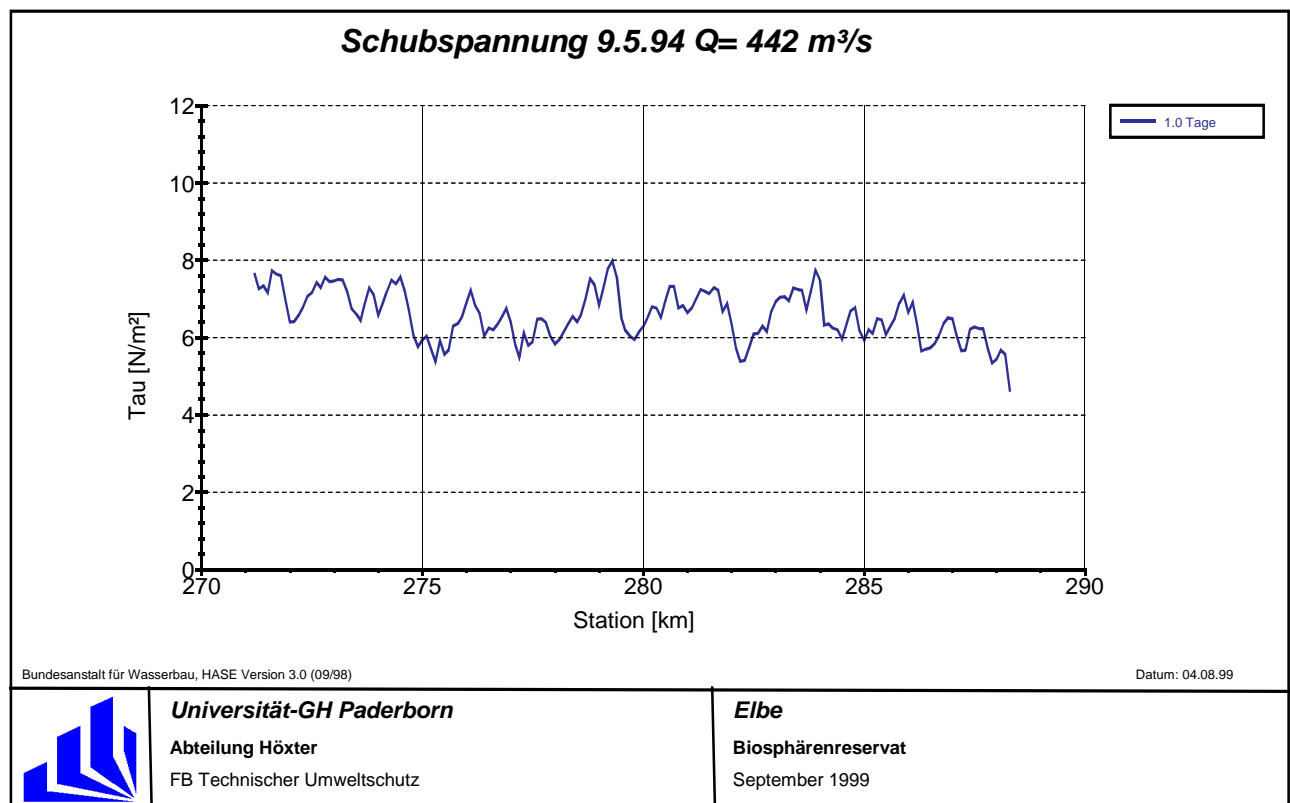
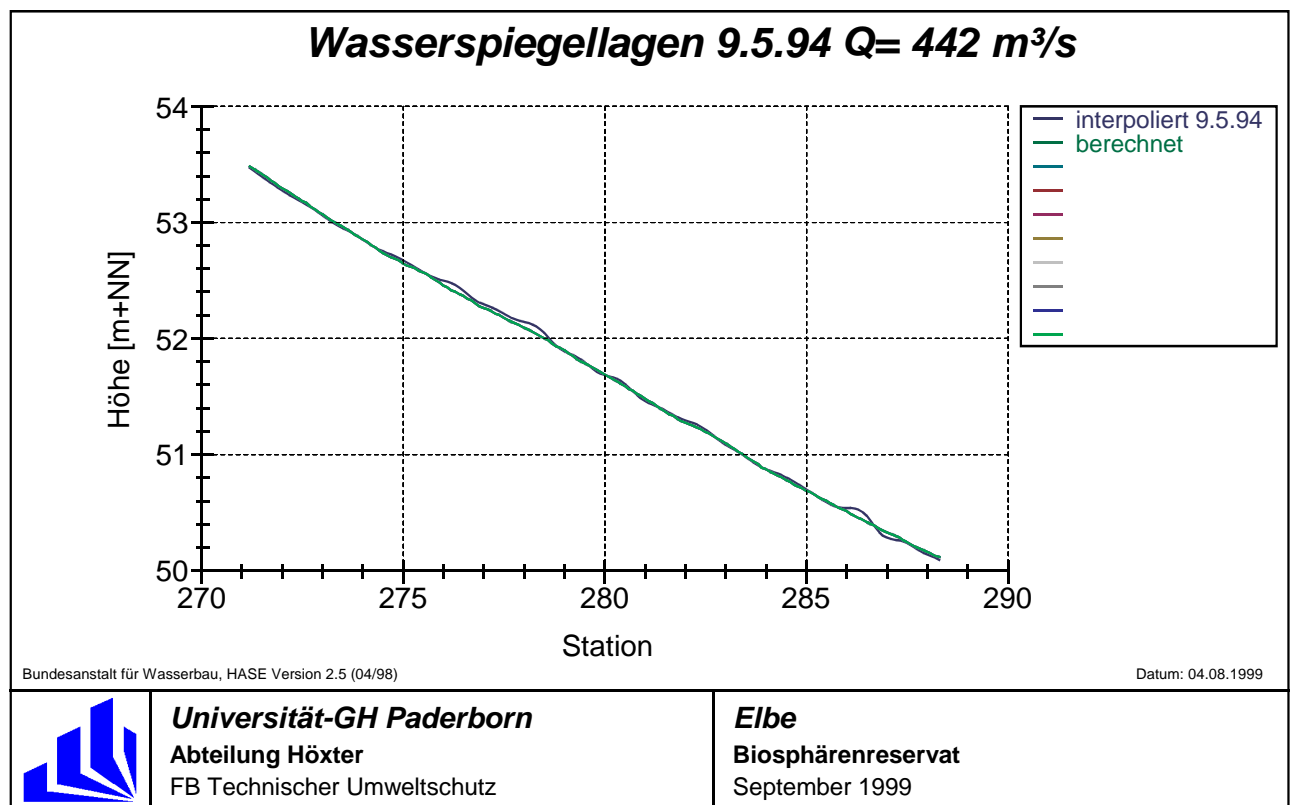
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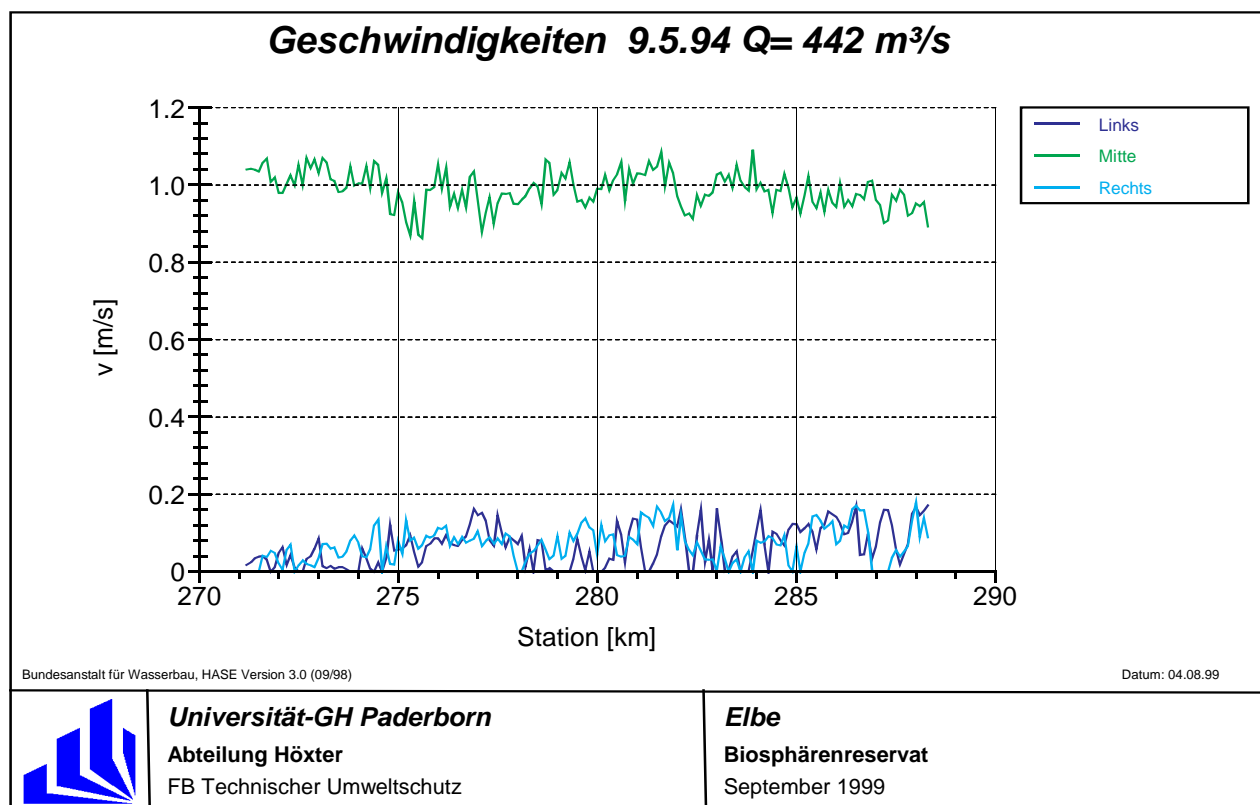
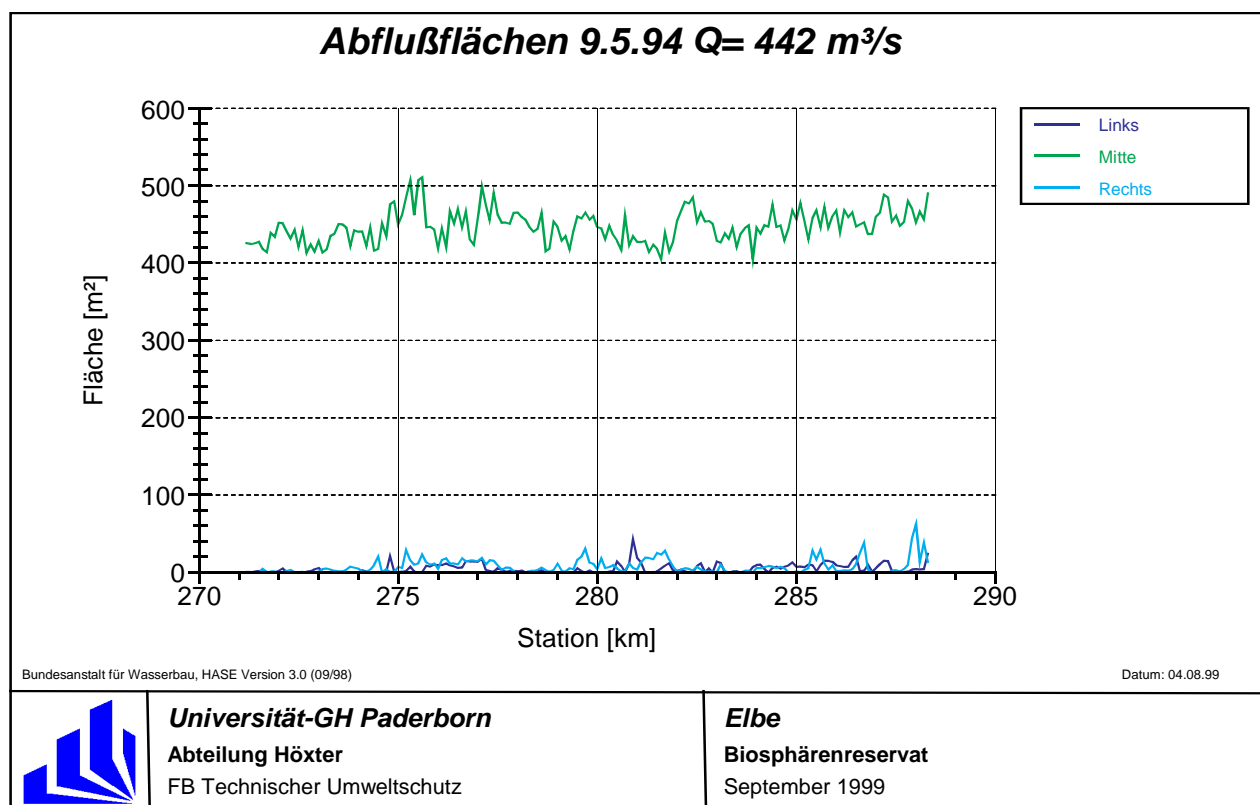
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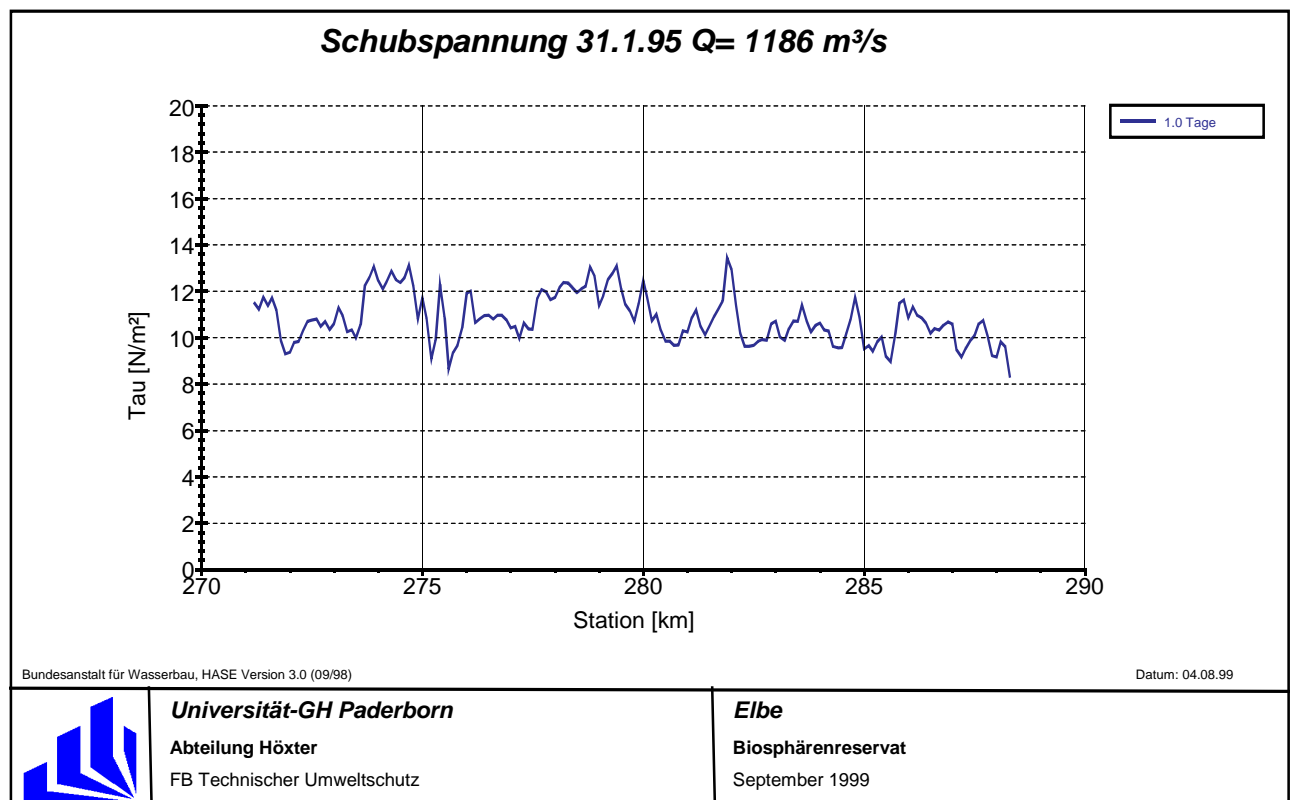
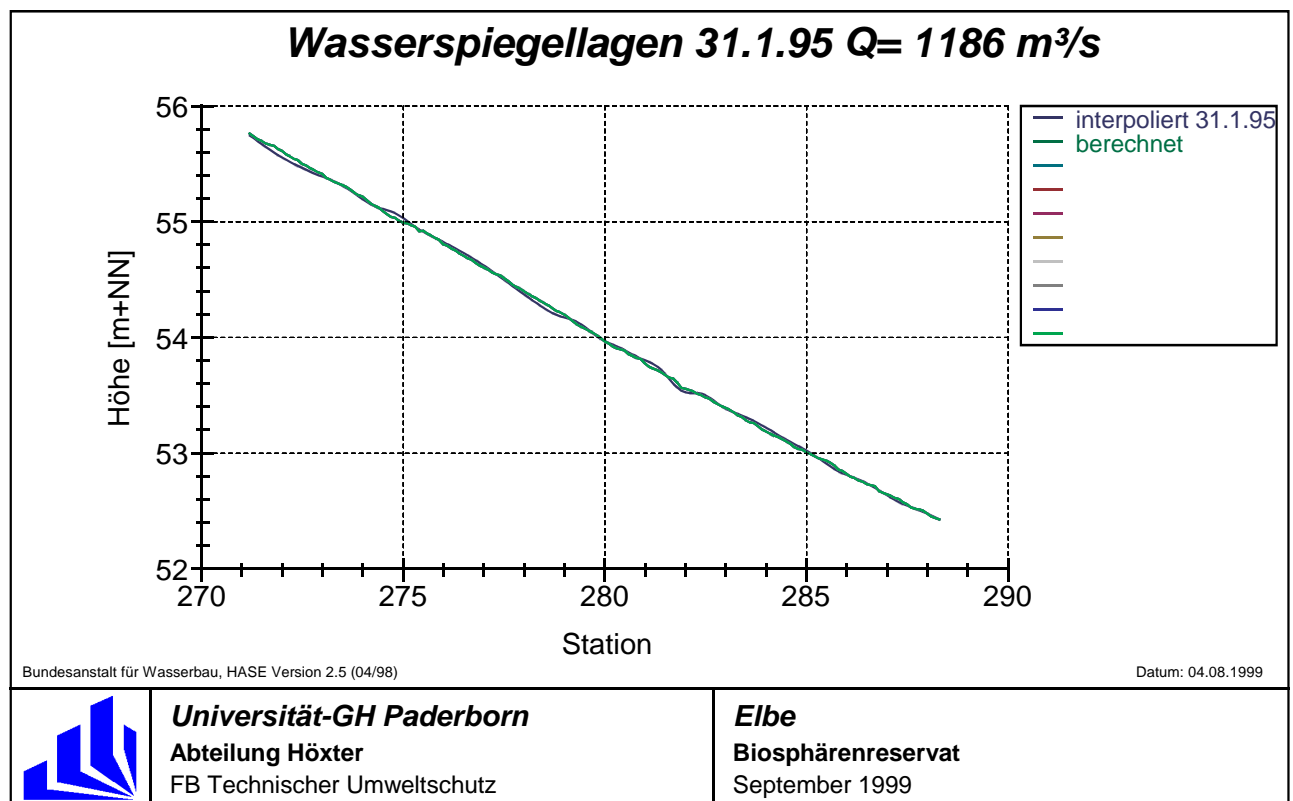
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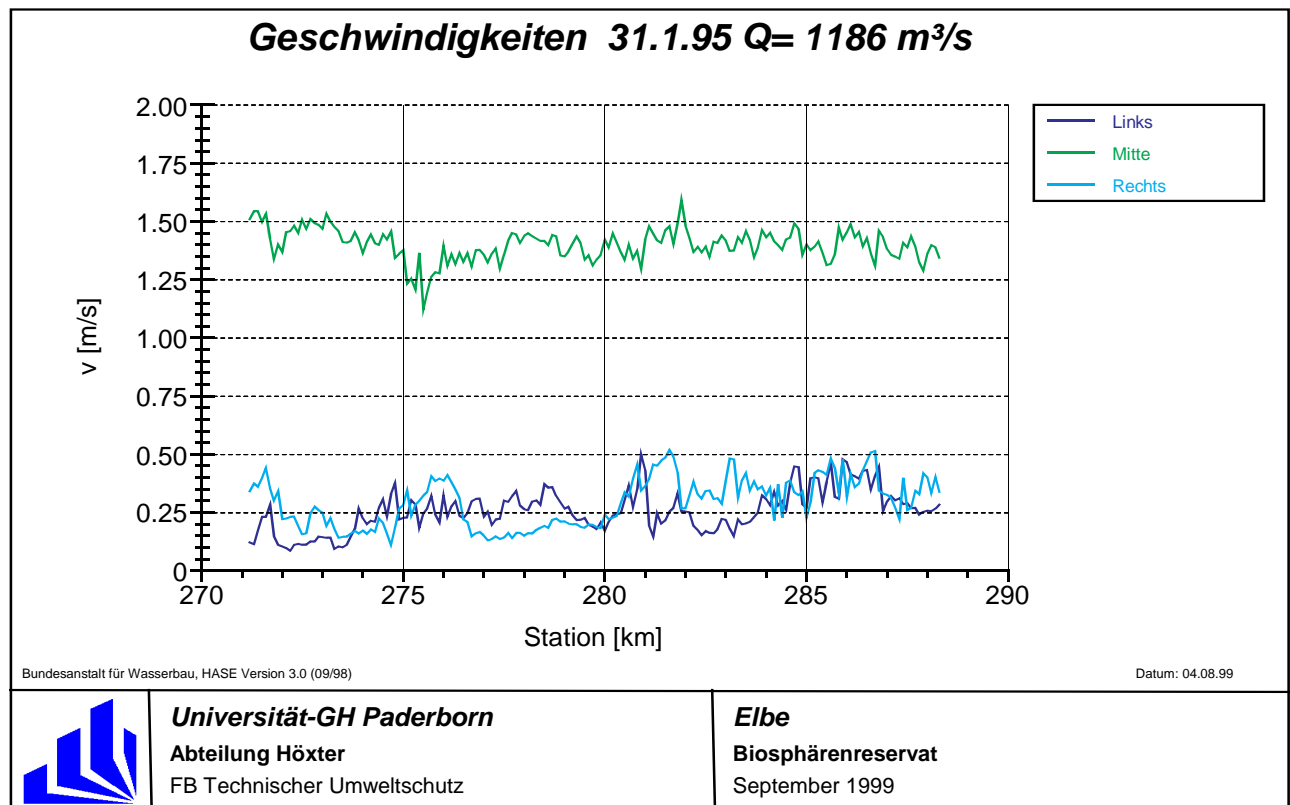
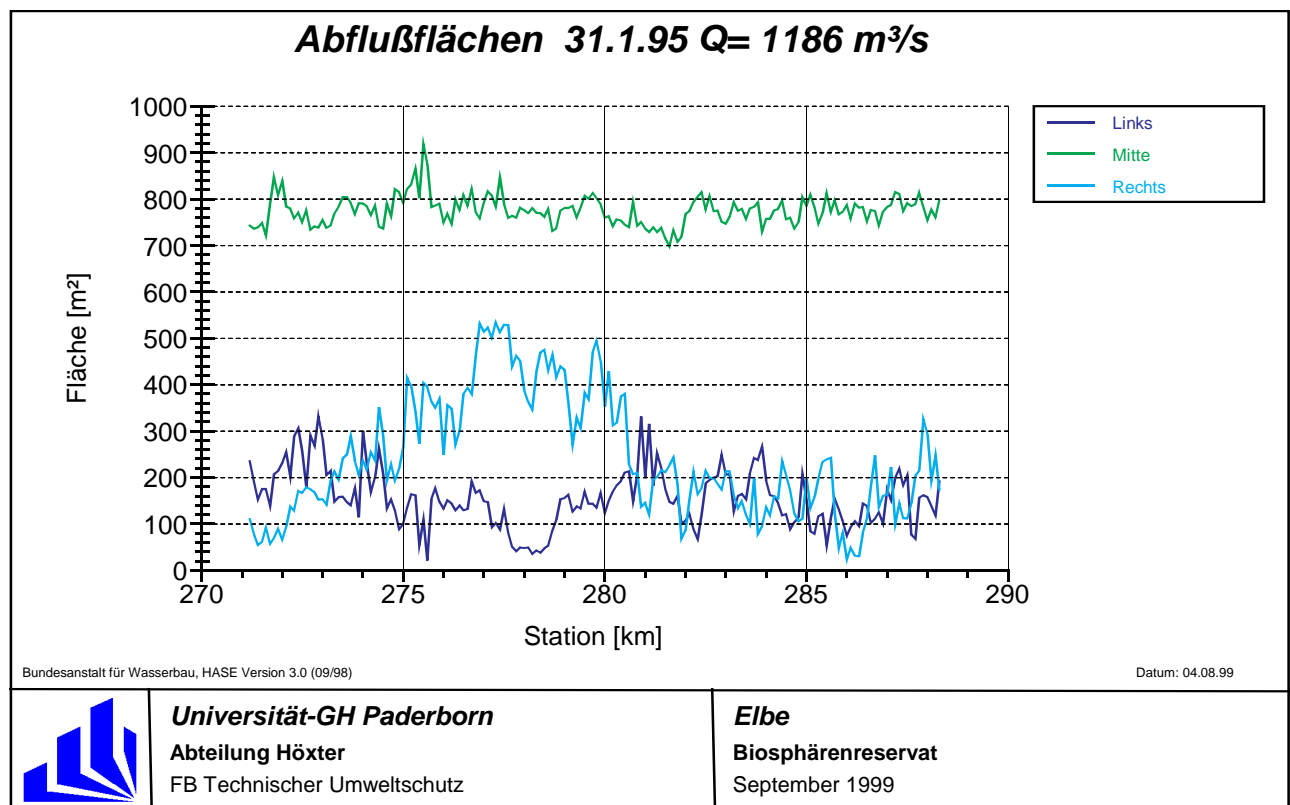


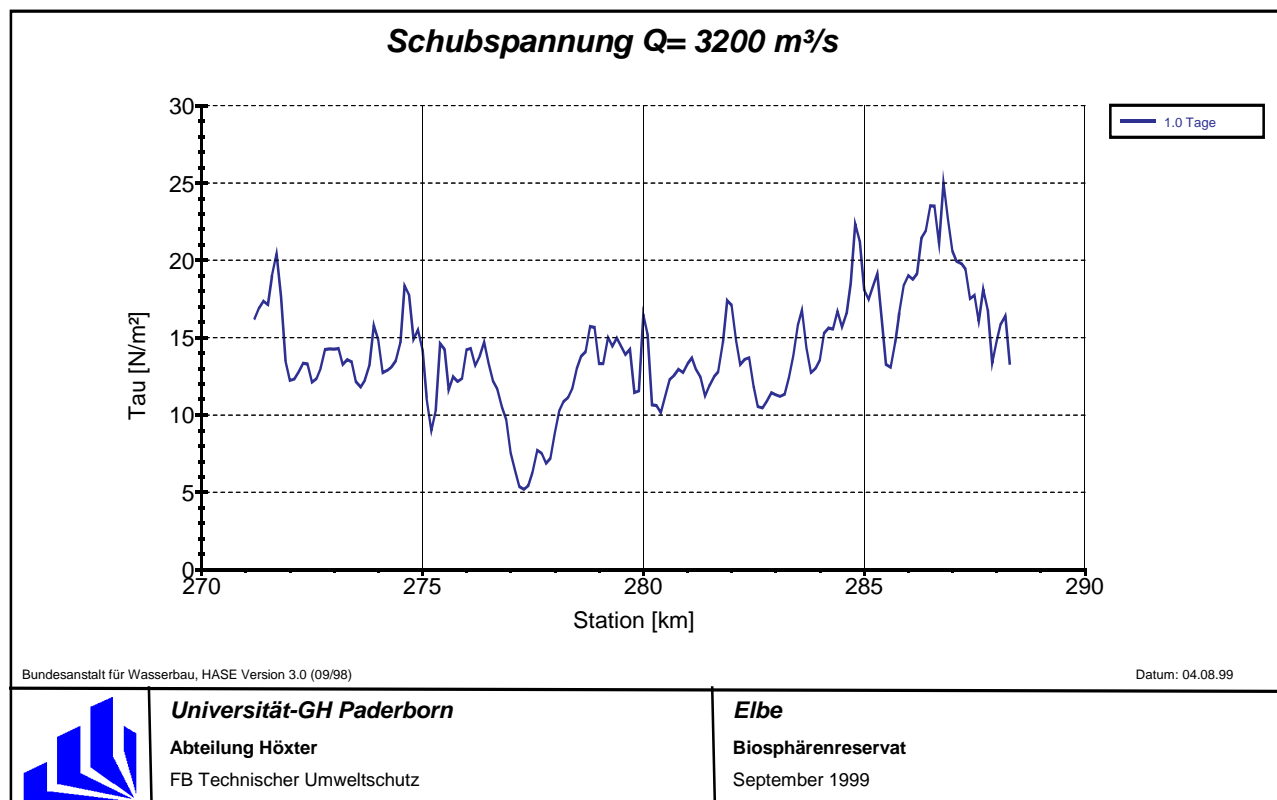
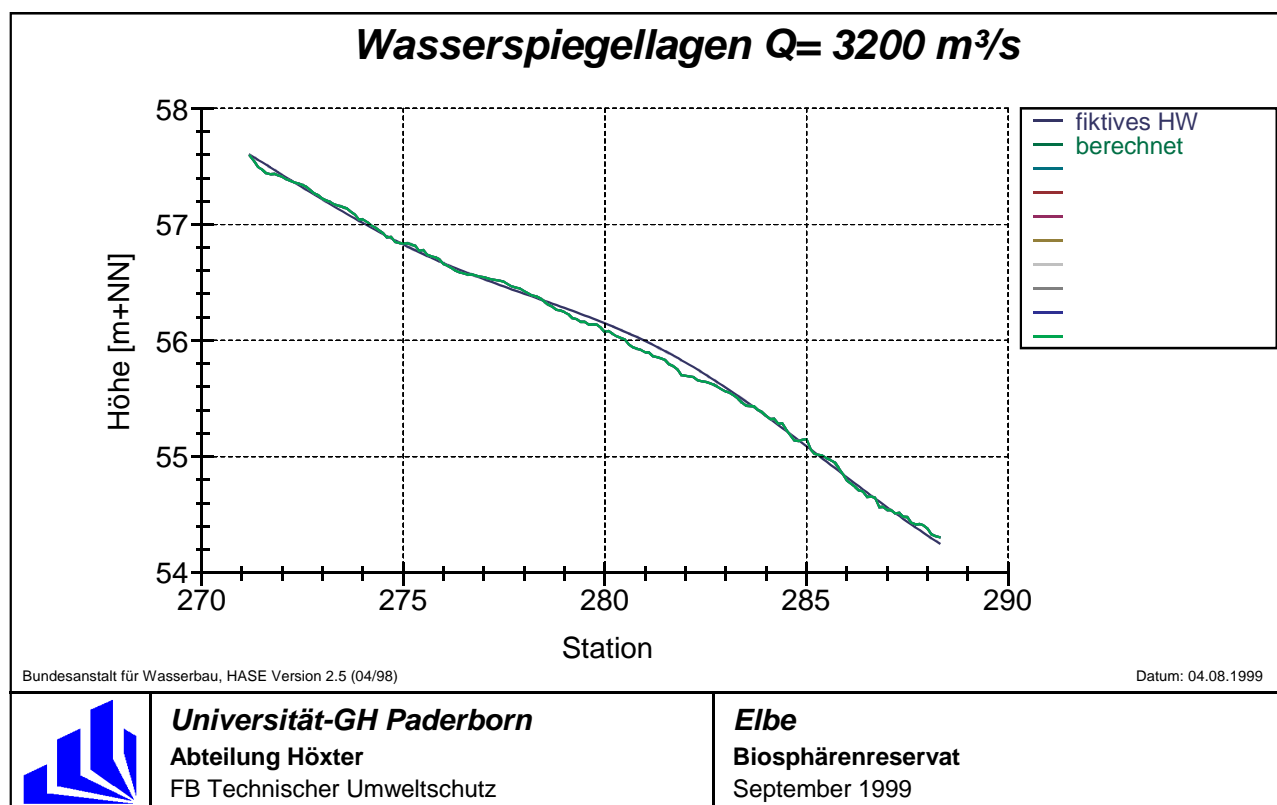


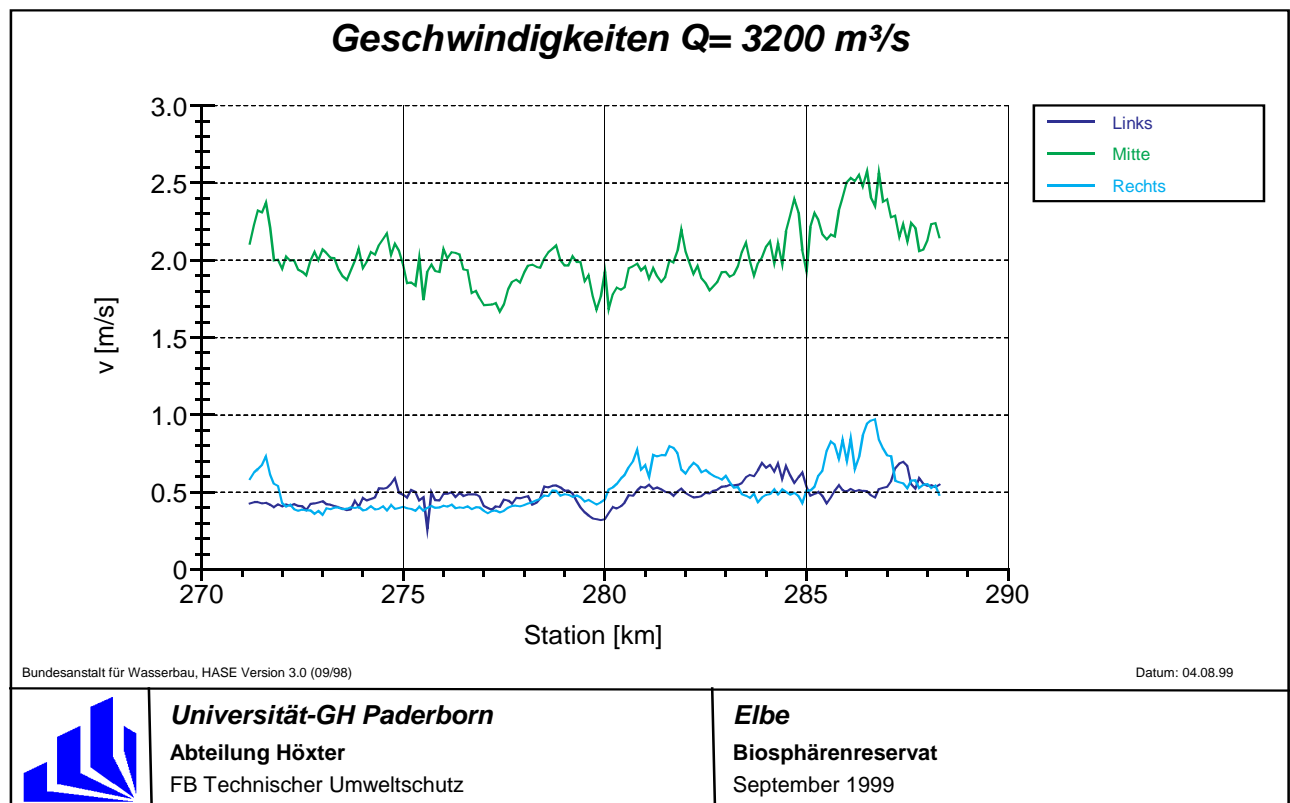
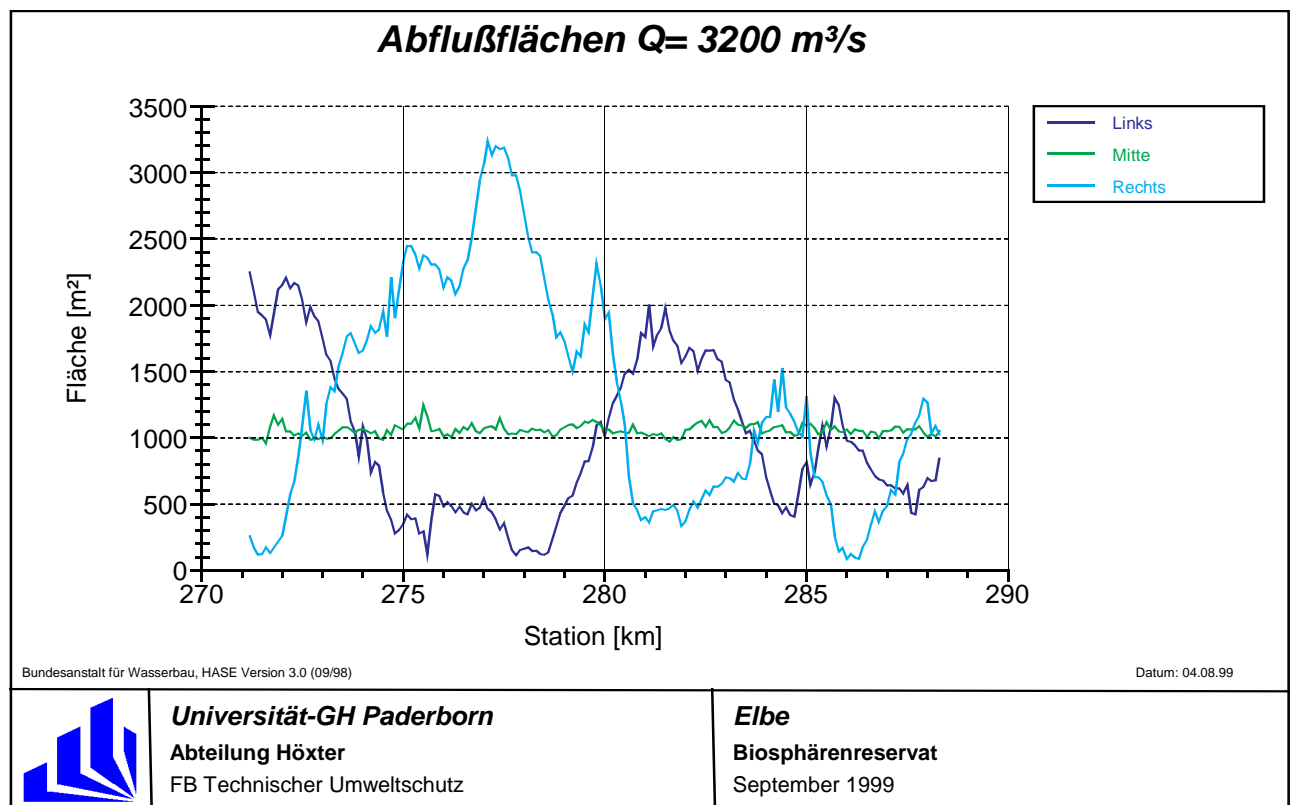


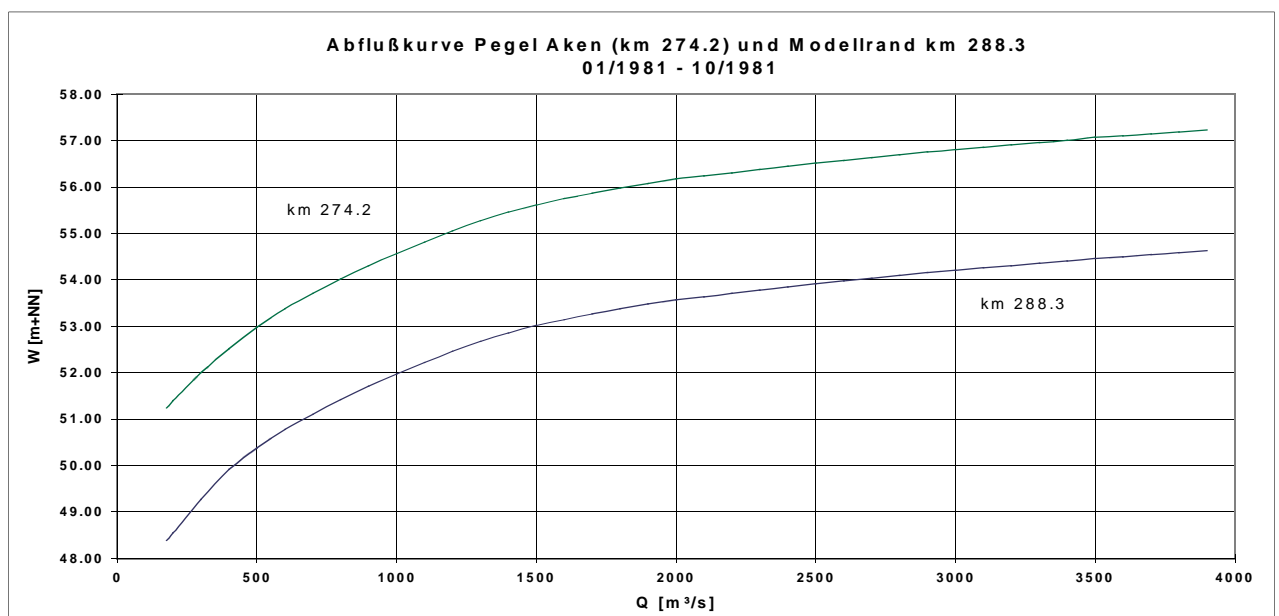
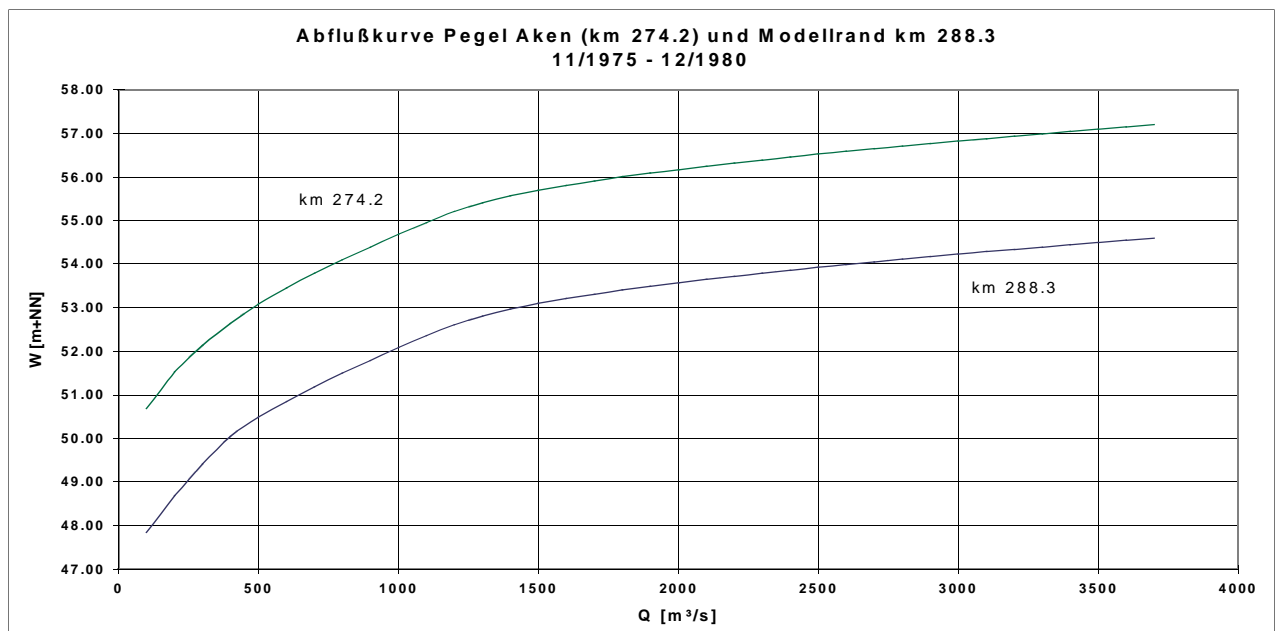
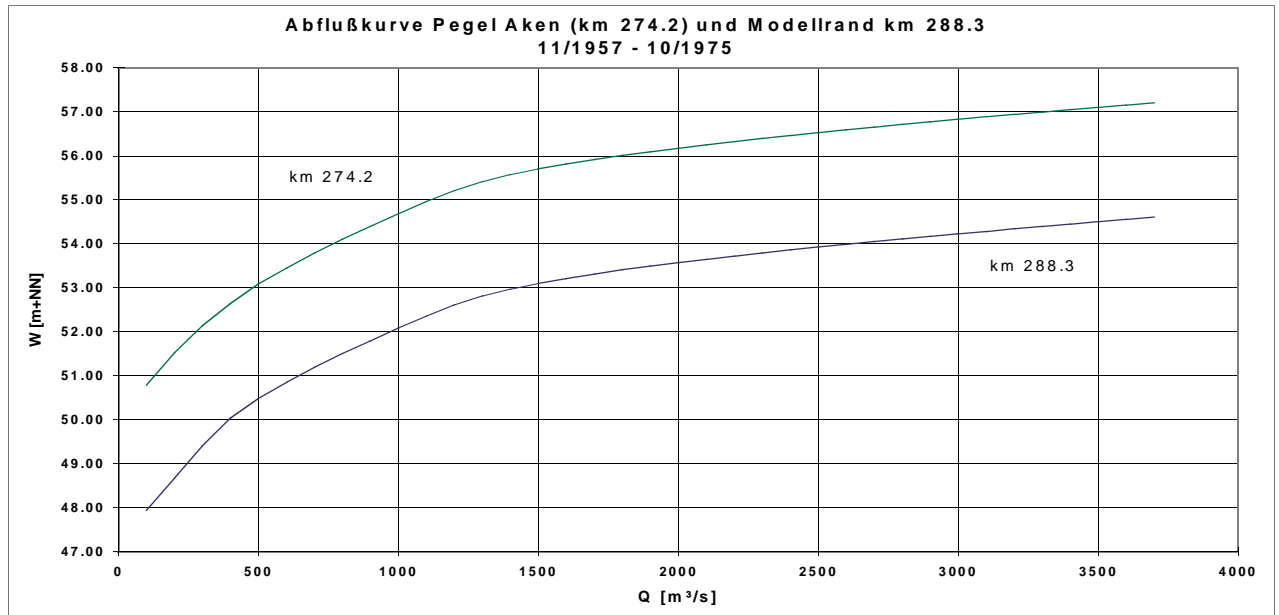


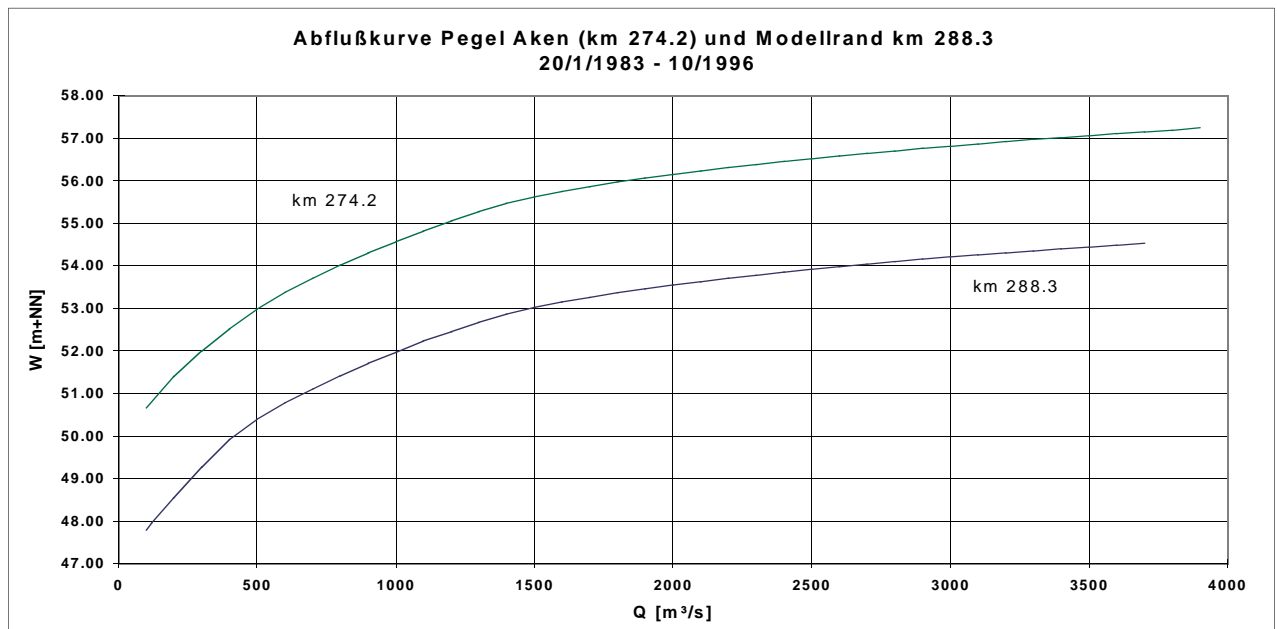
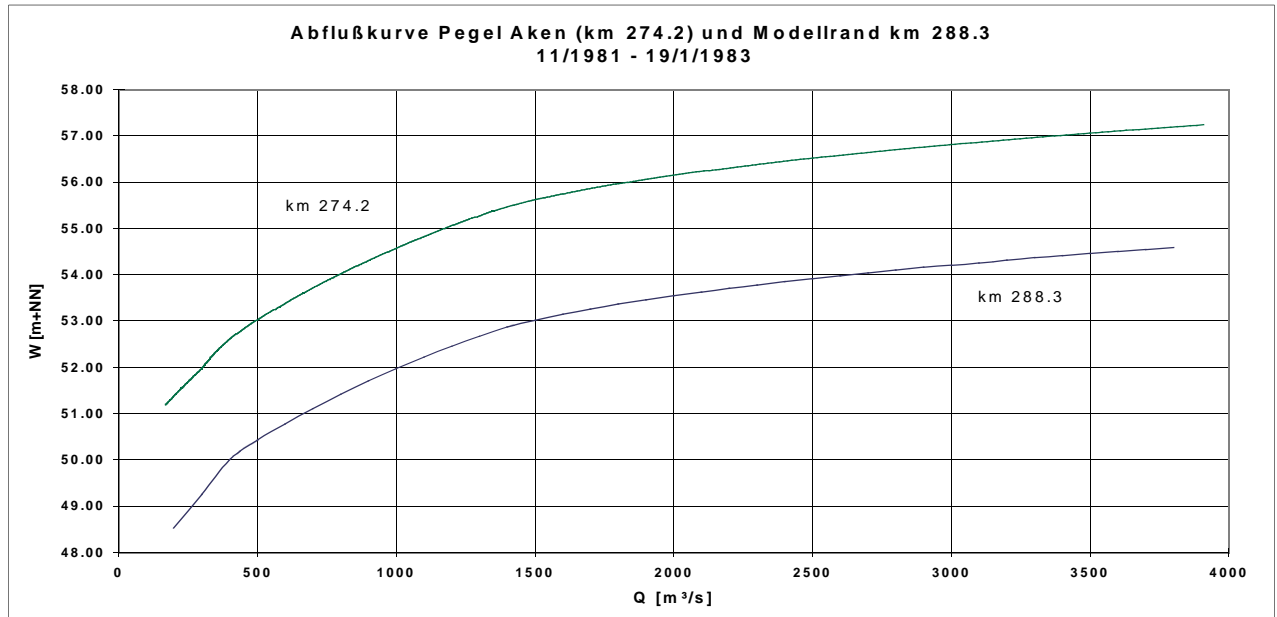


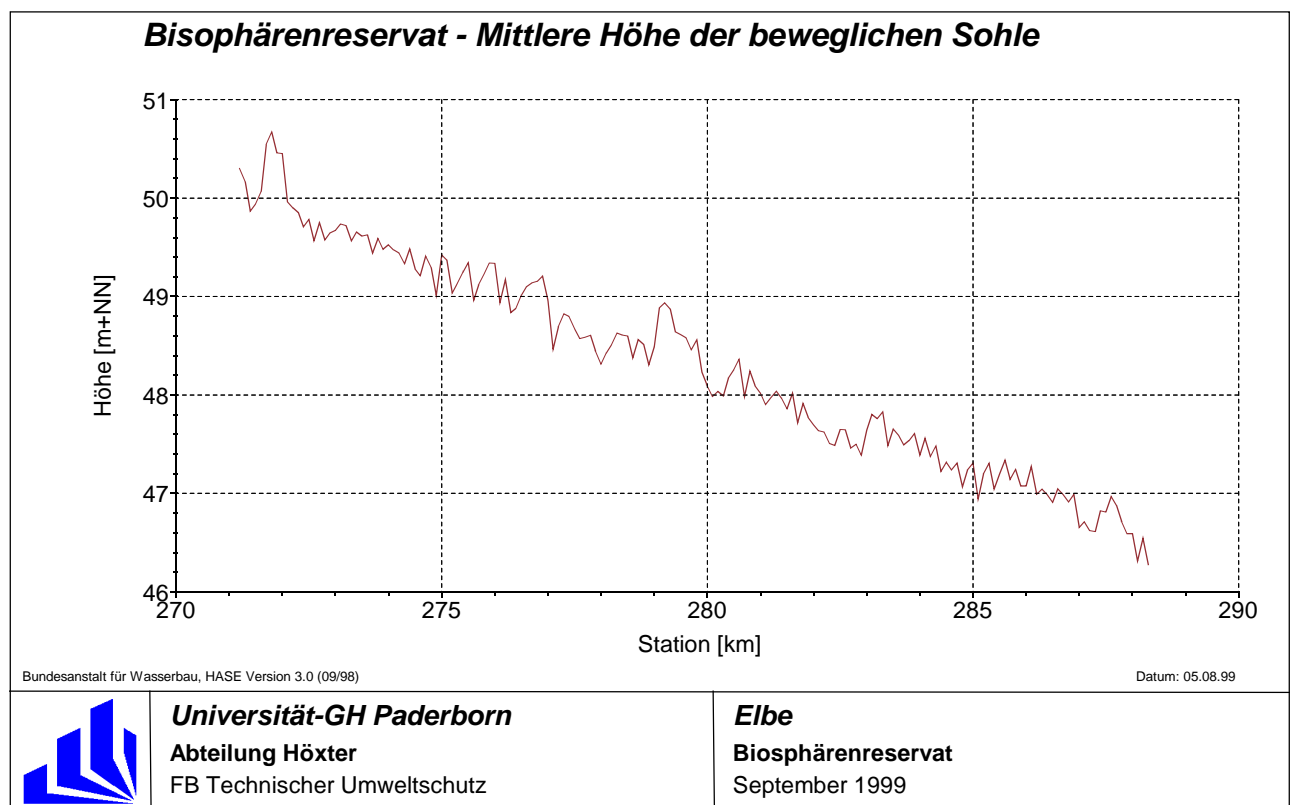
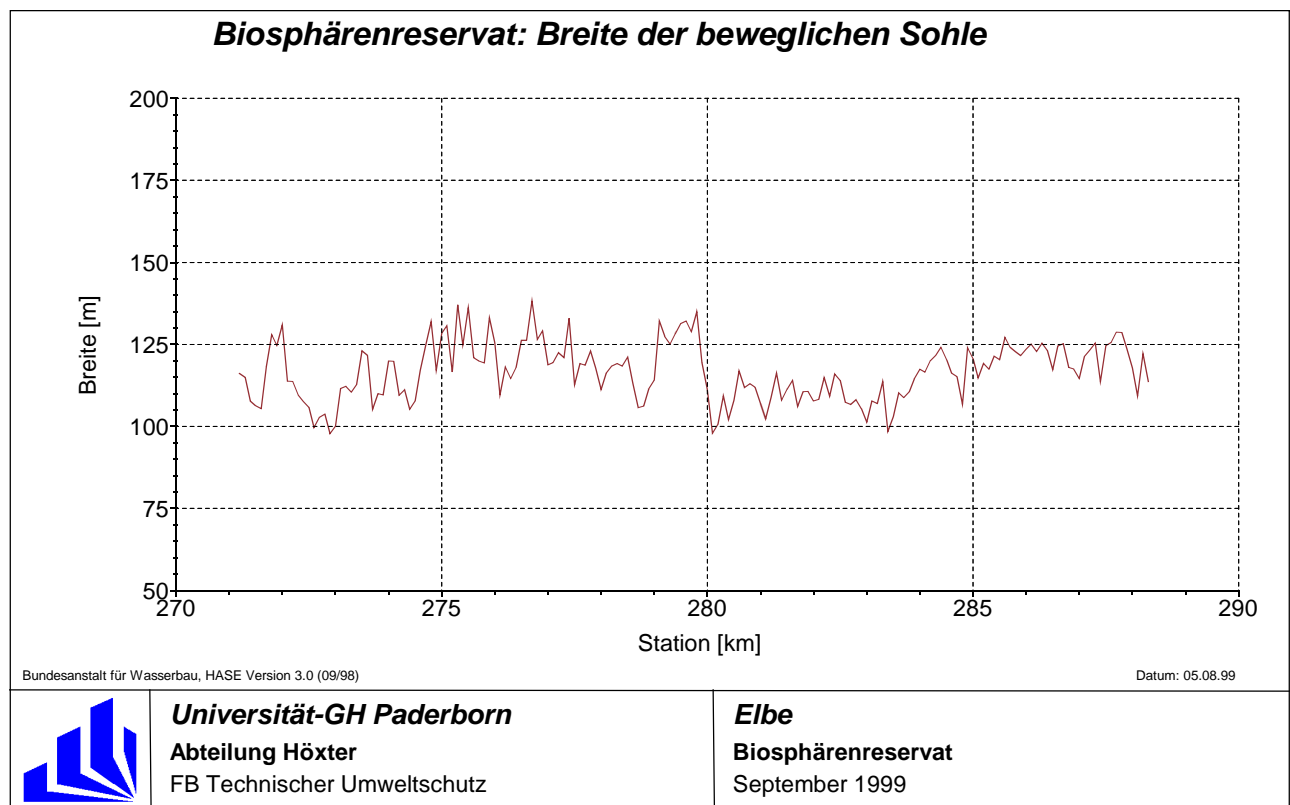


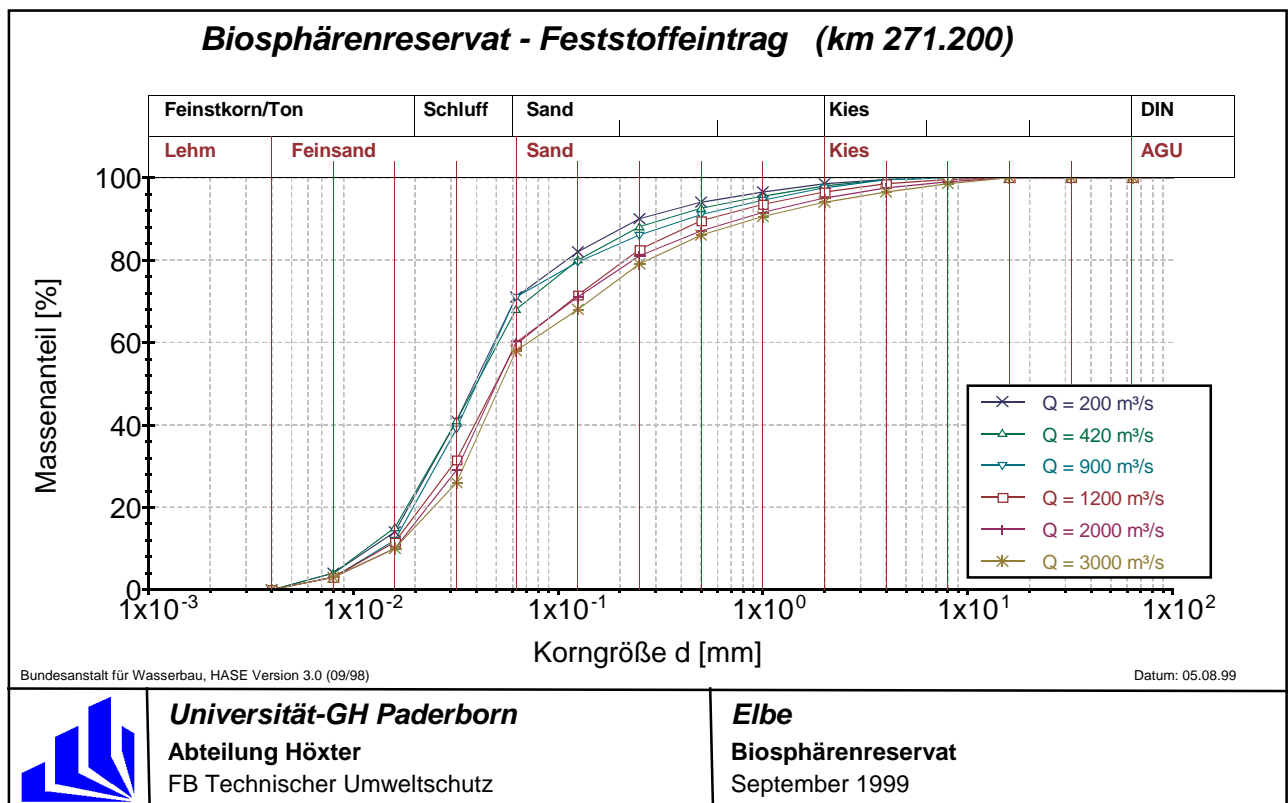
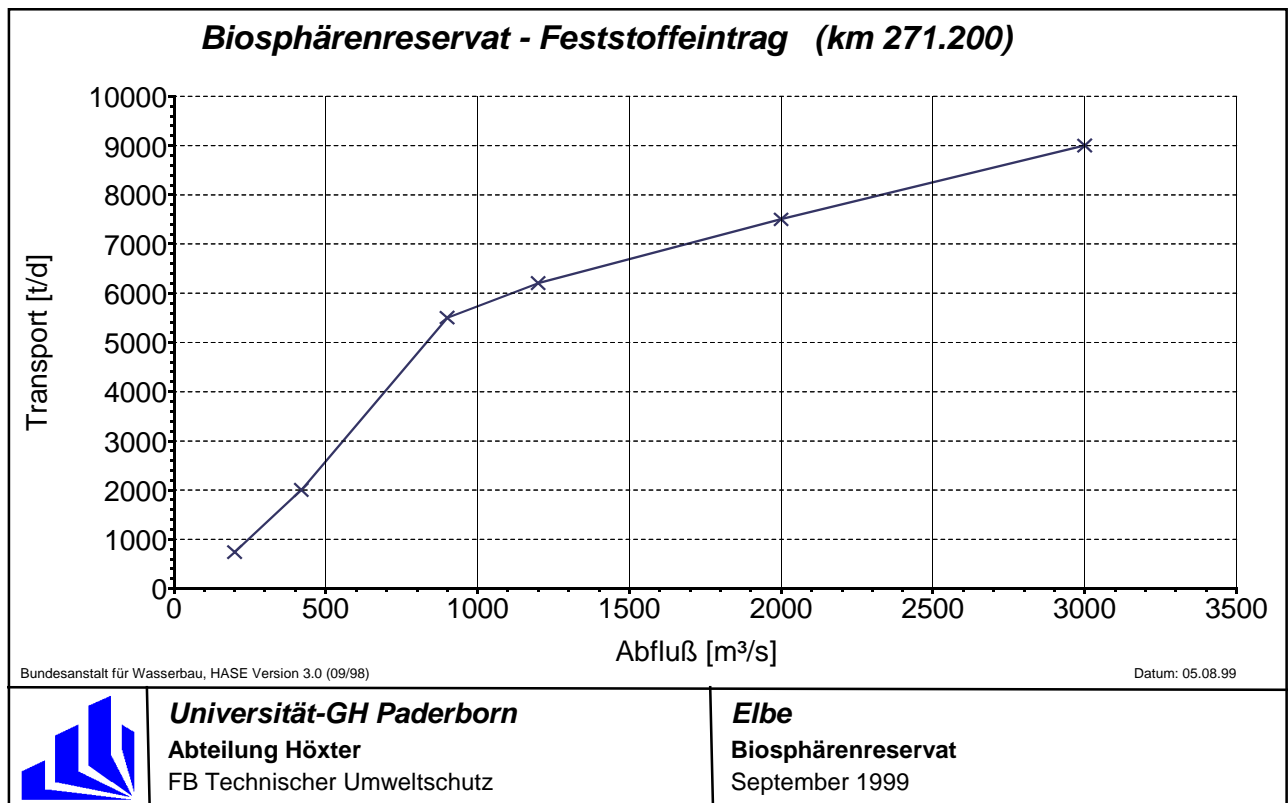


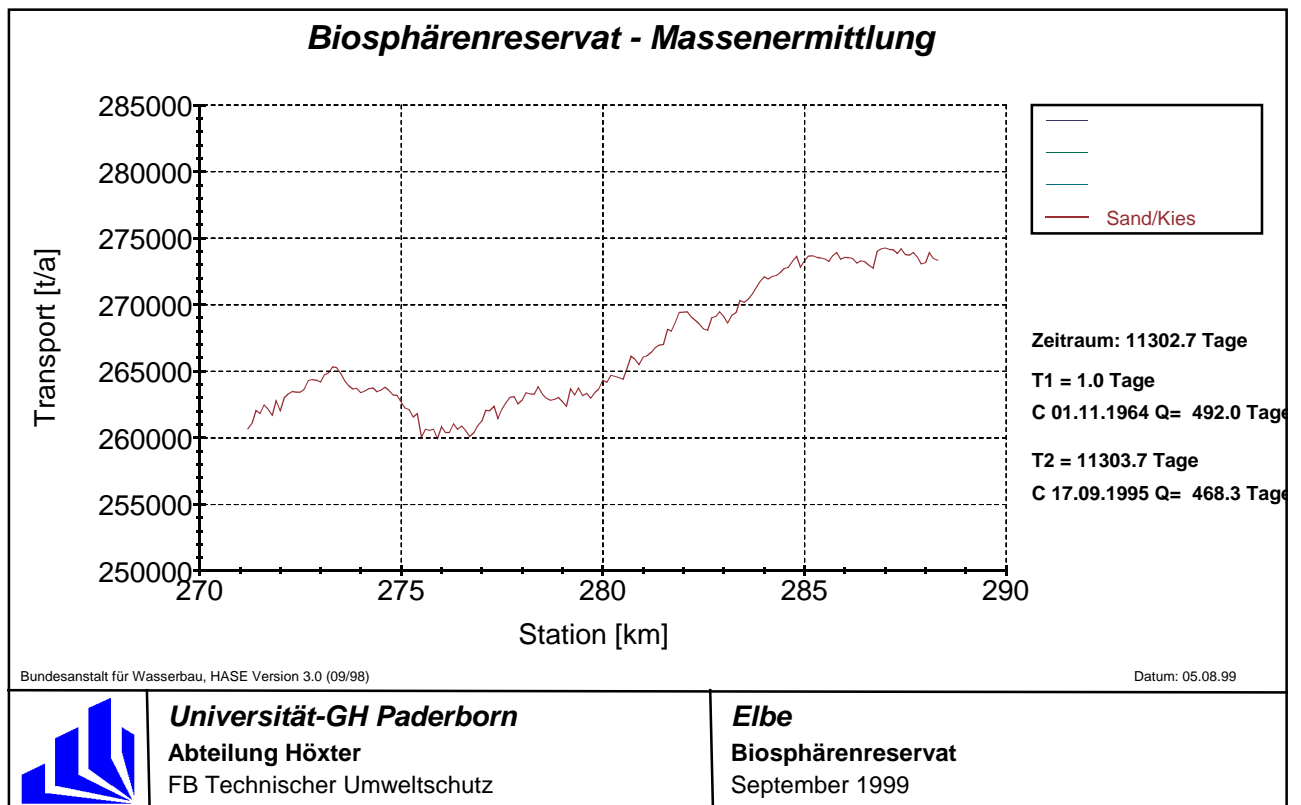
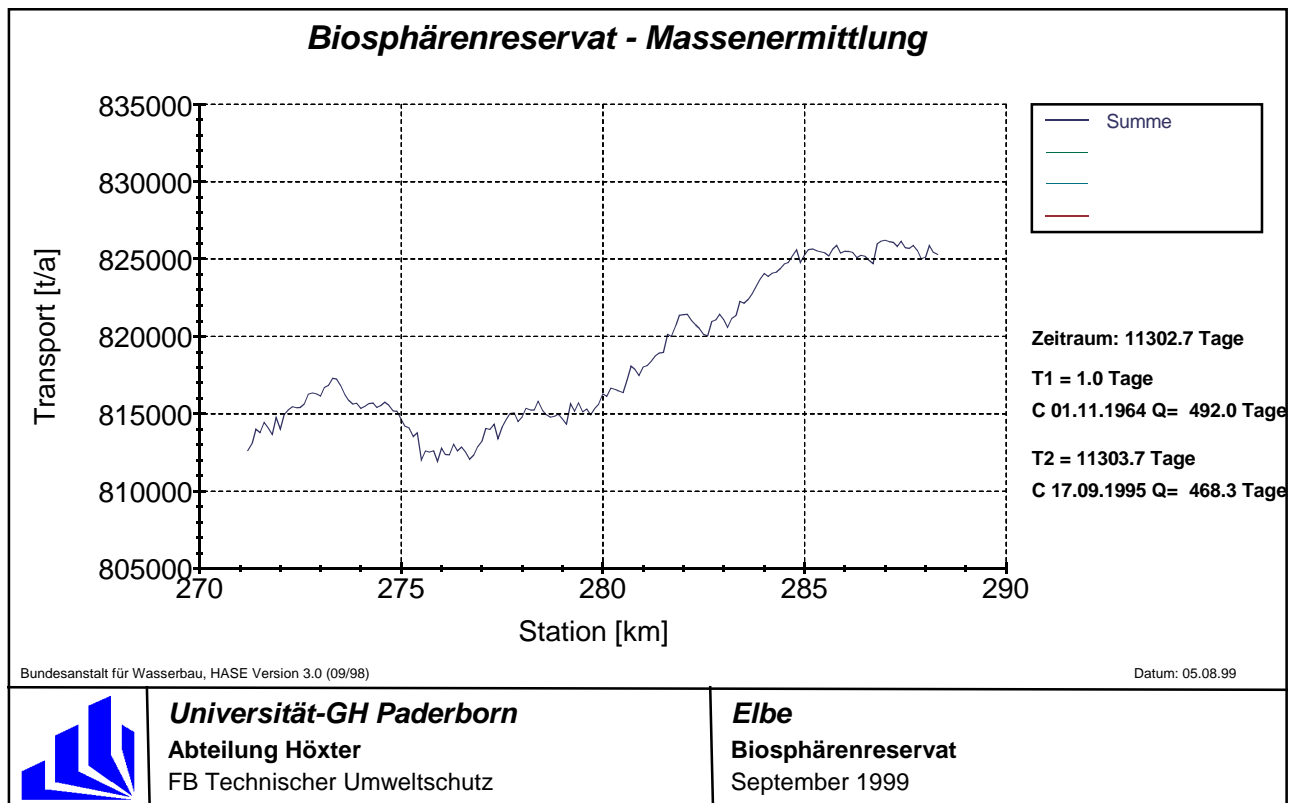




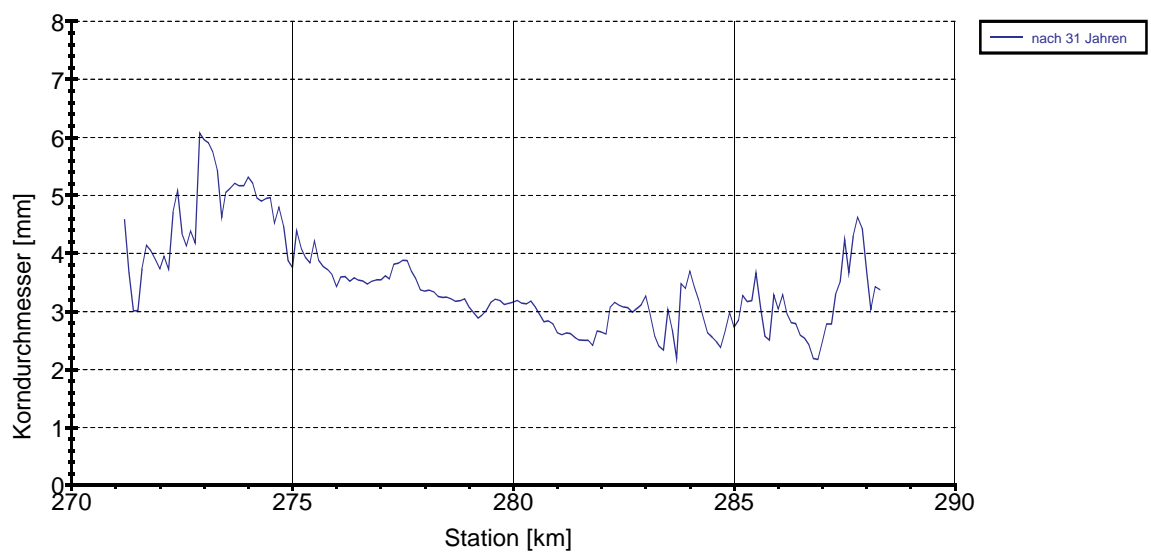








Biosphärenreservat - Korndurchmesser d65 (akt. Layer)



Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

Datum: 05.08.99


Universität-GH Paderborn

Abteilung Höxter

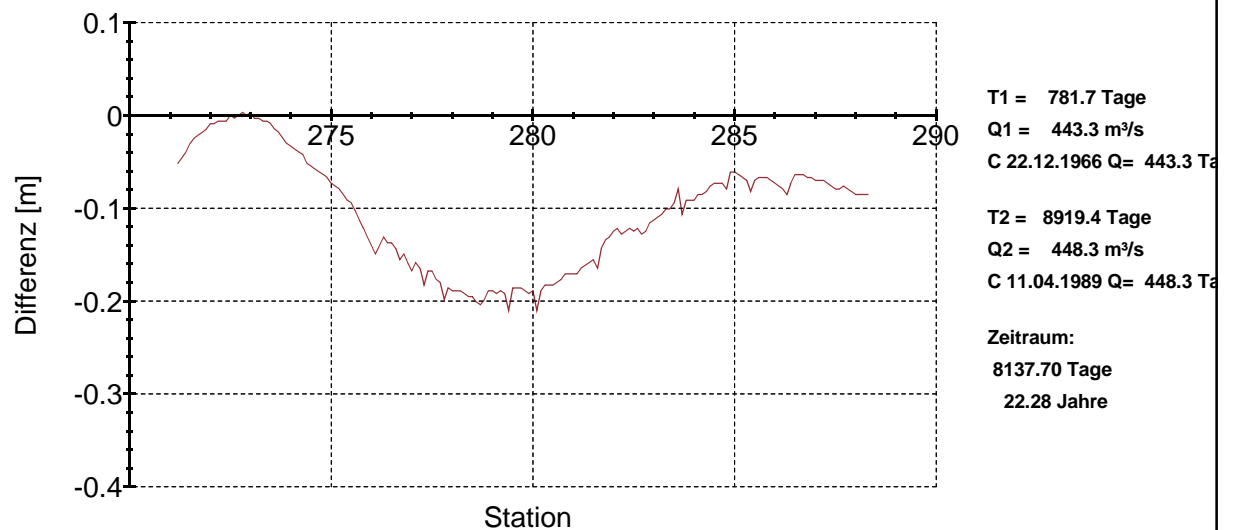
FB Technischer Umweltschutz

Elbe

Biosphärenreservat

September 1999

Biosphärenreservat - Wasserspiegeldifferenz



Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

Datum: 05.08.99


Universität-GH Paderborn

Abteilung Höxter

FB Technischer Umweltschutz

Elbe

Biosphärenreservat

September 1999

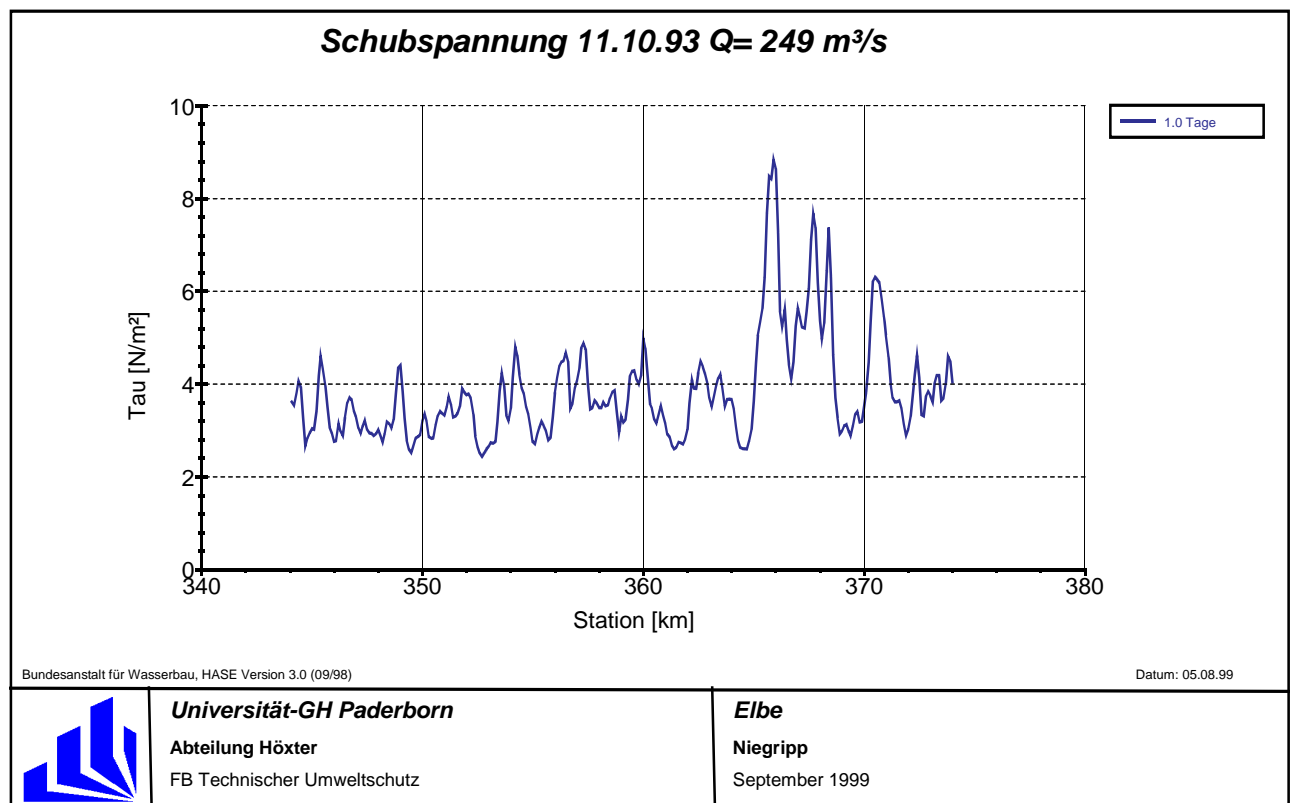
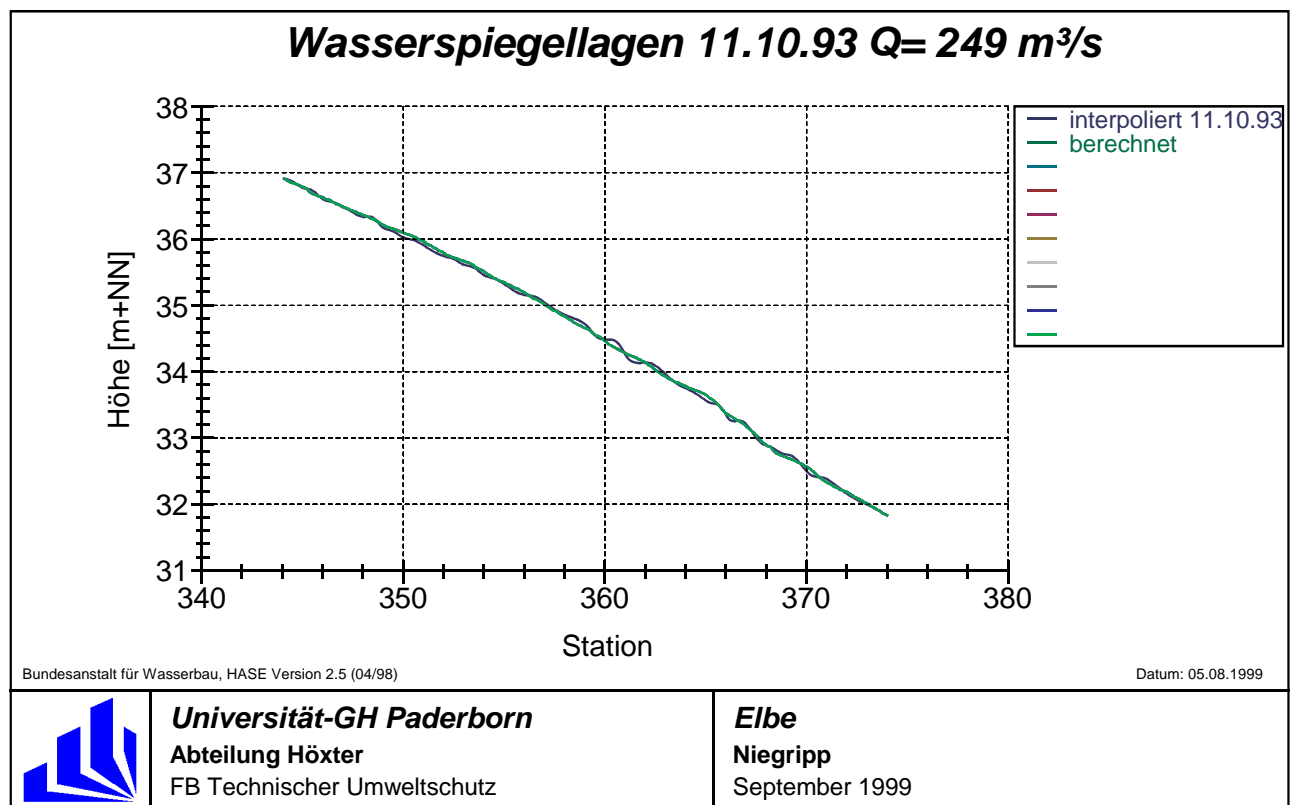
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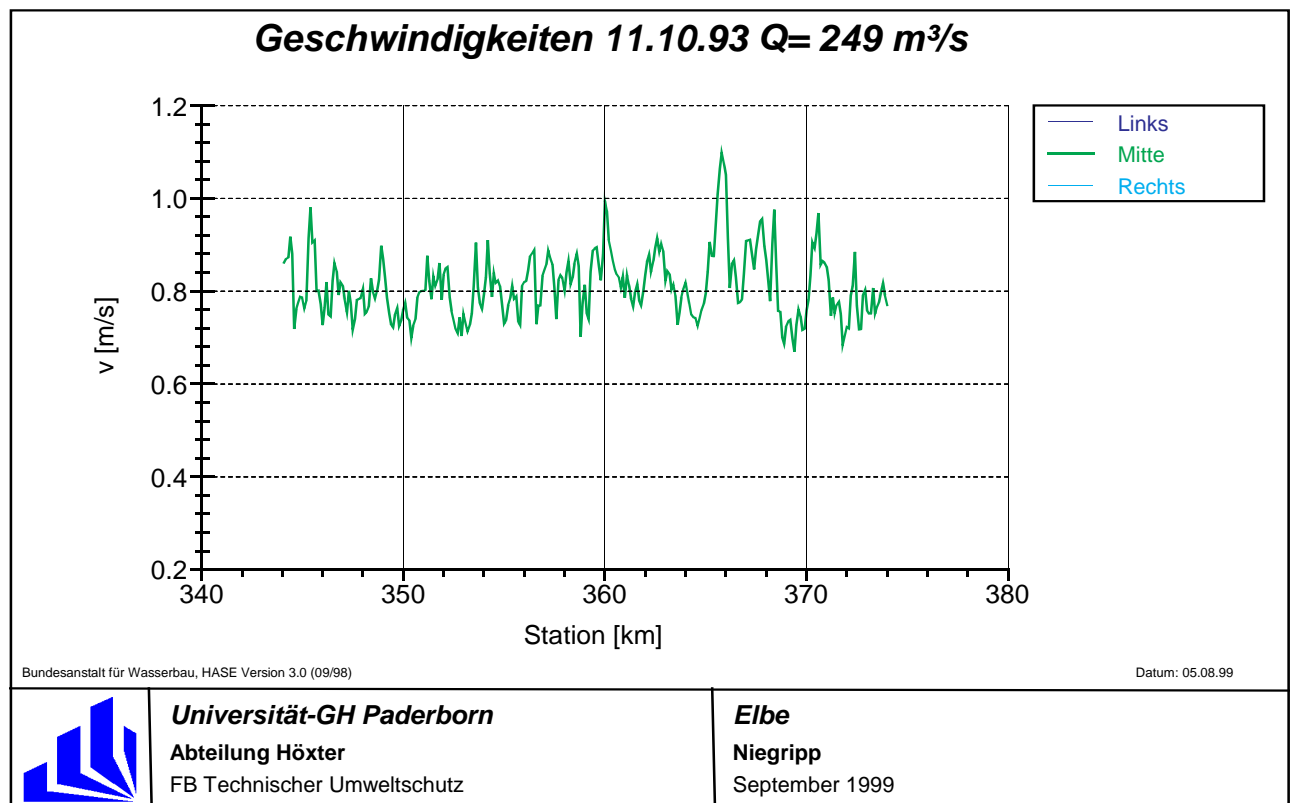
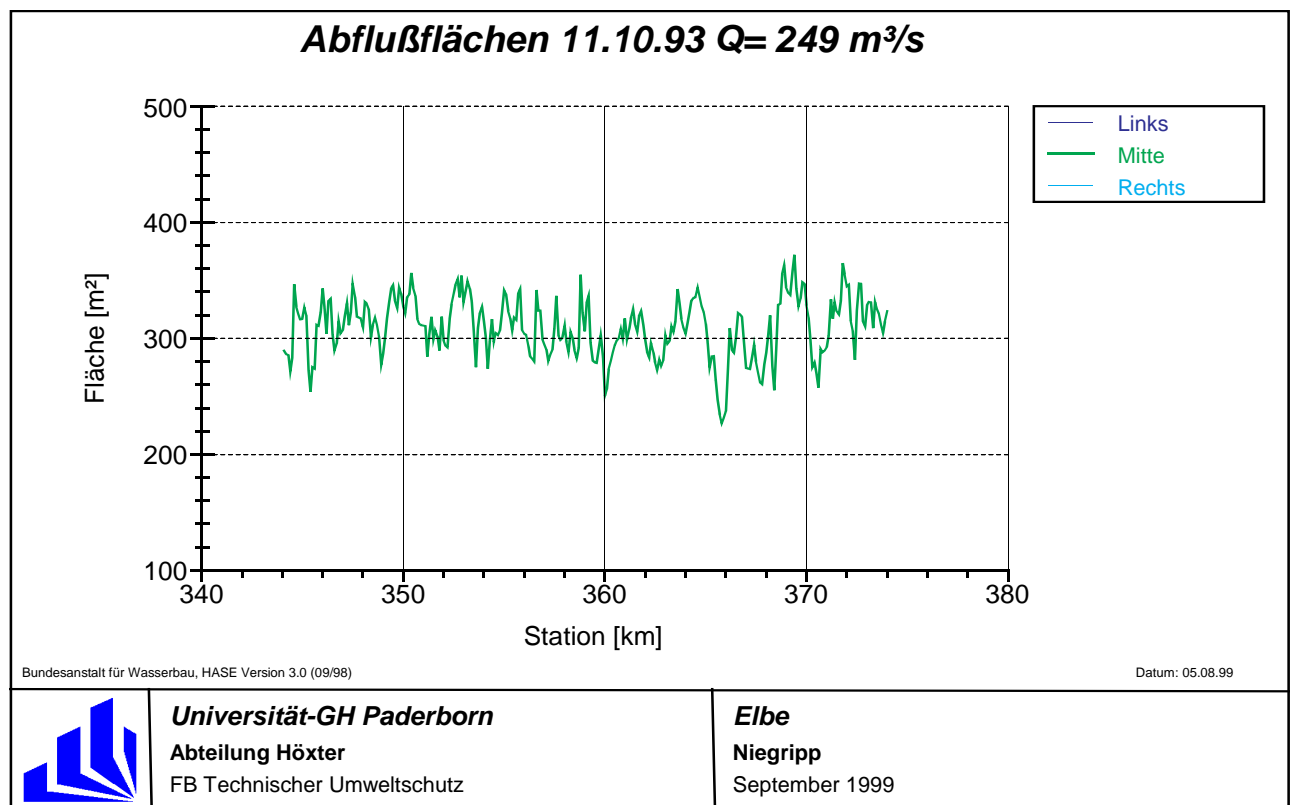
Berechnungsstrecke Niegripp

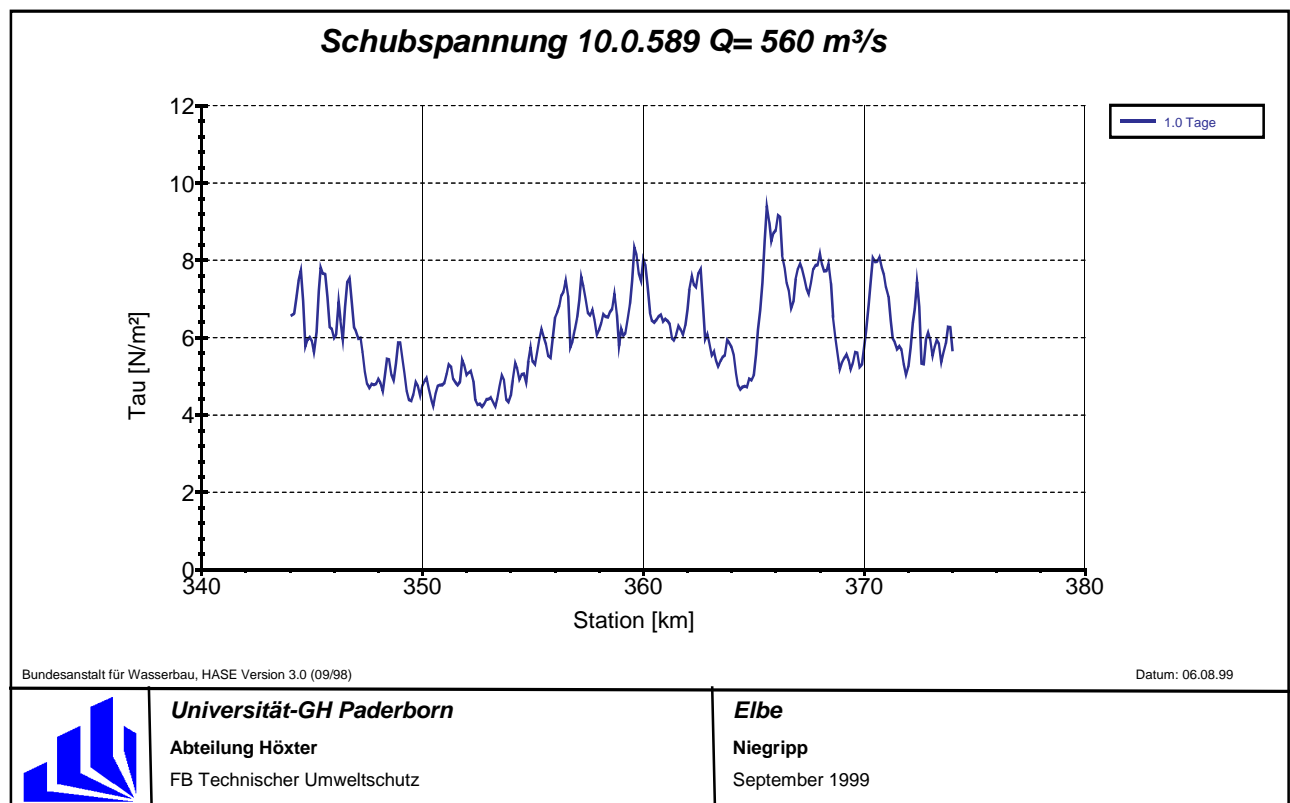
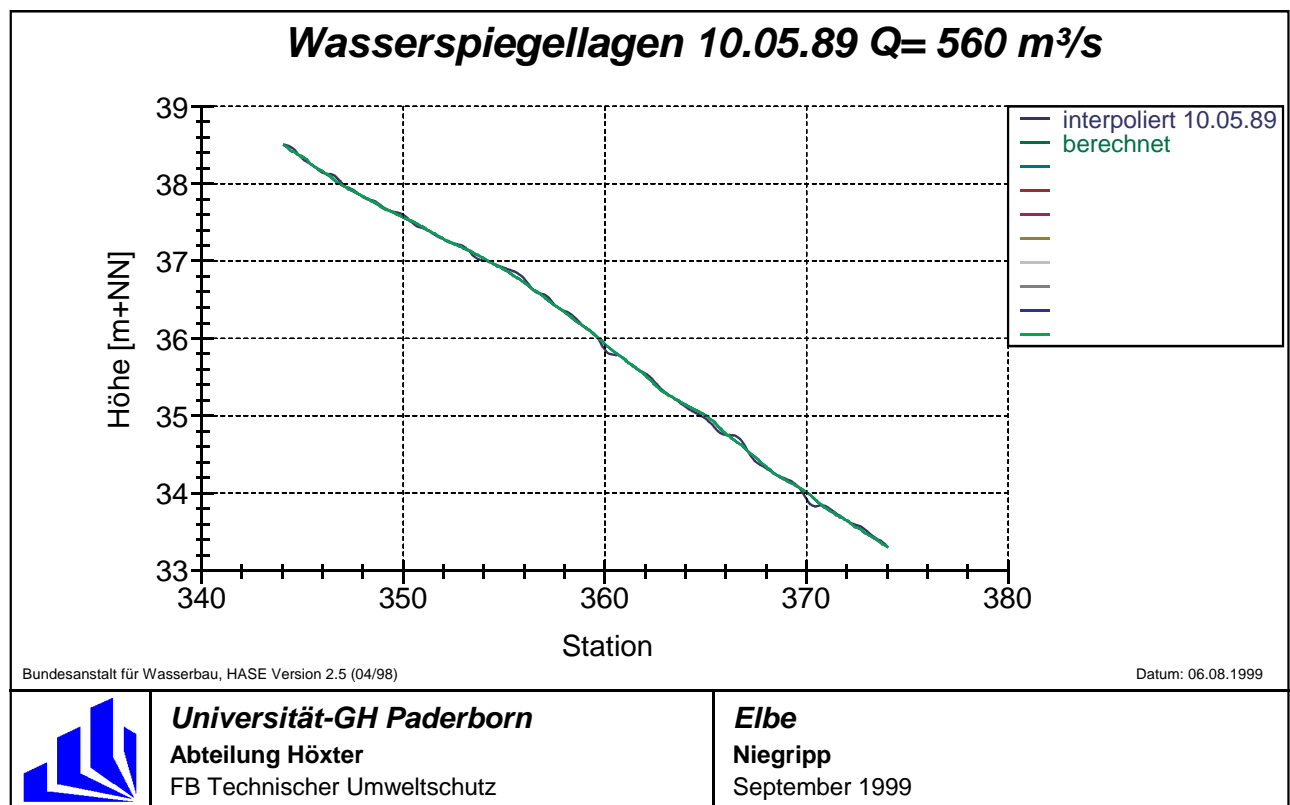
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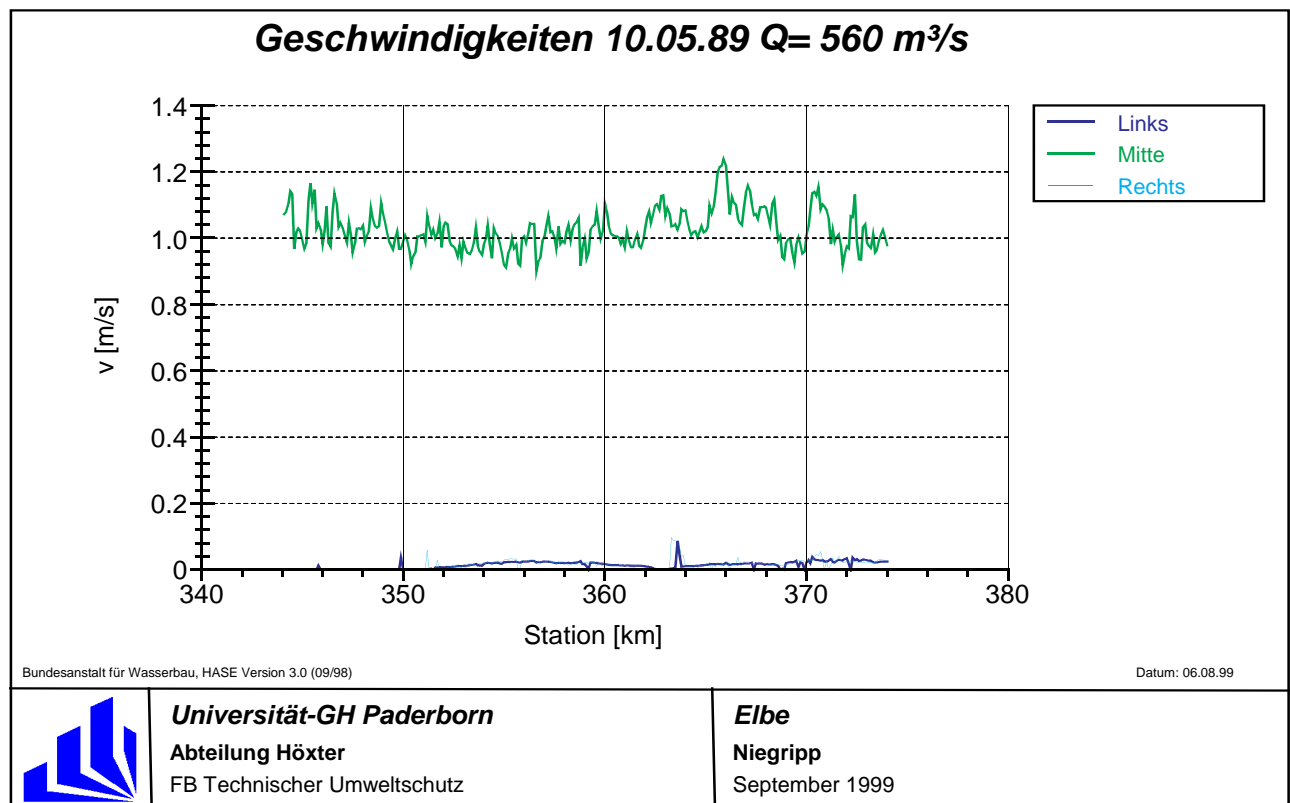
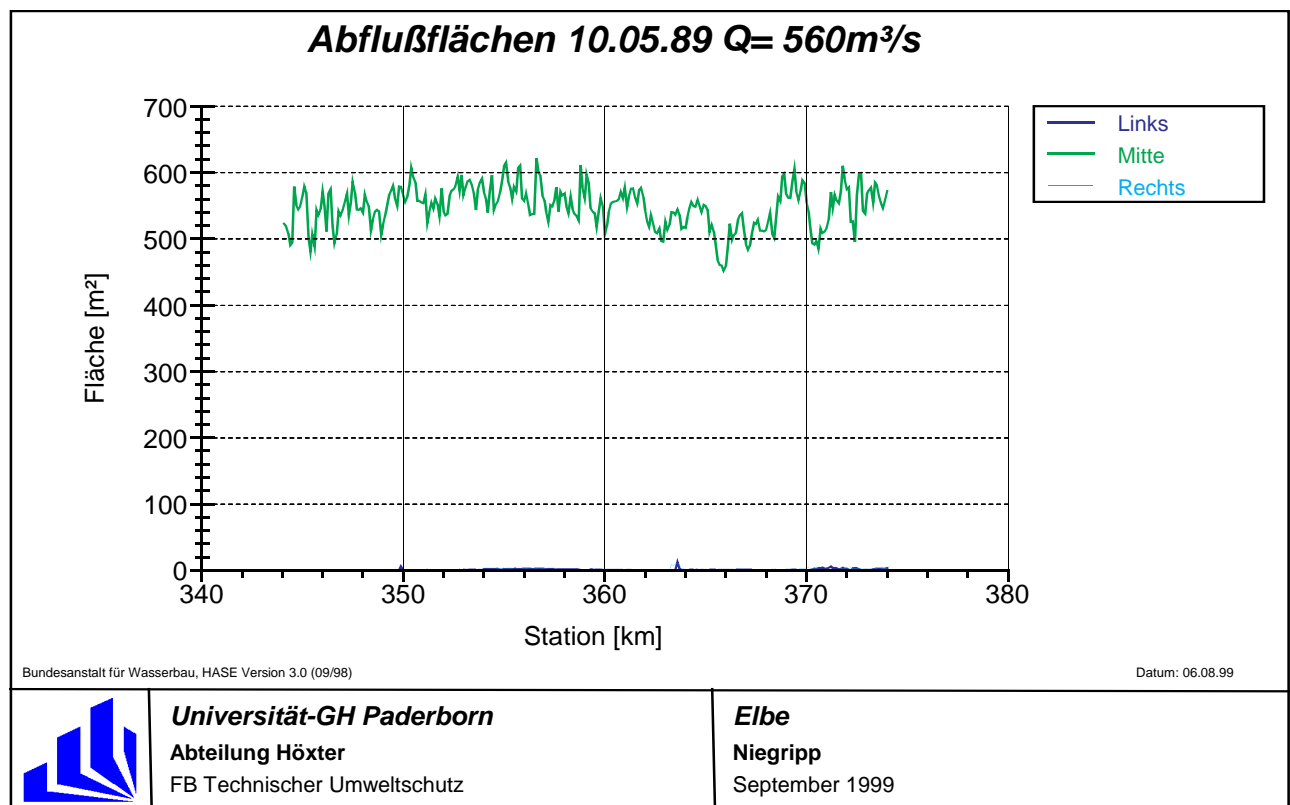
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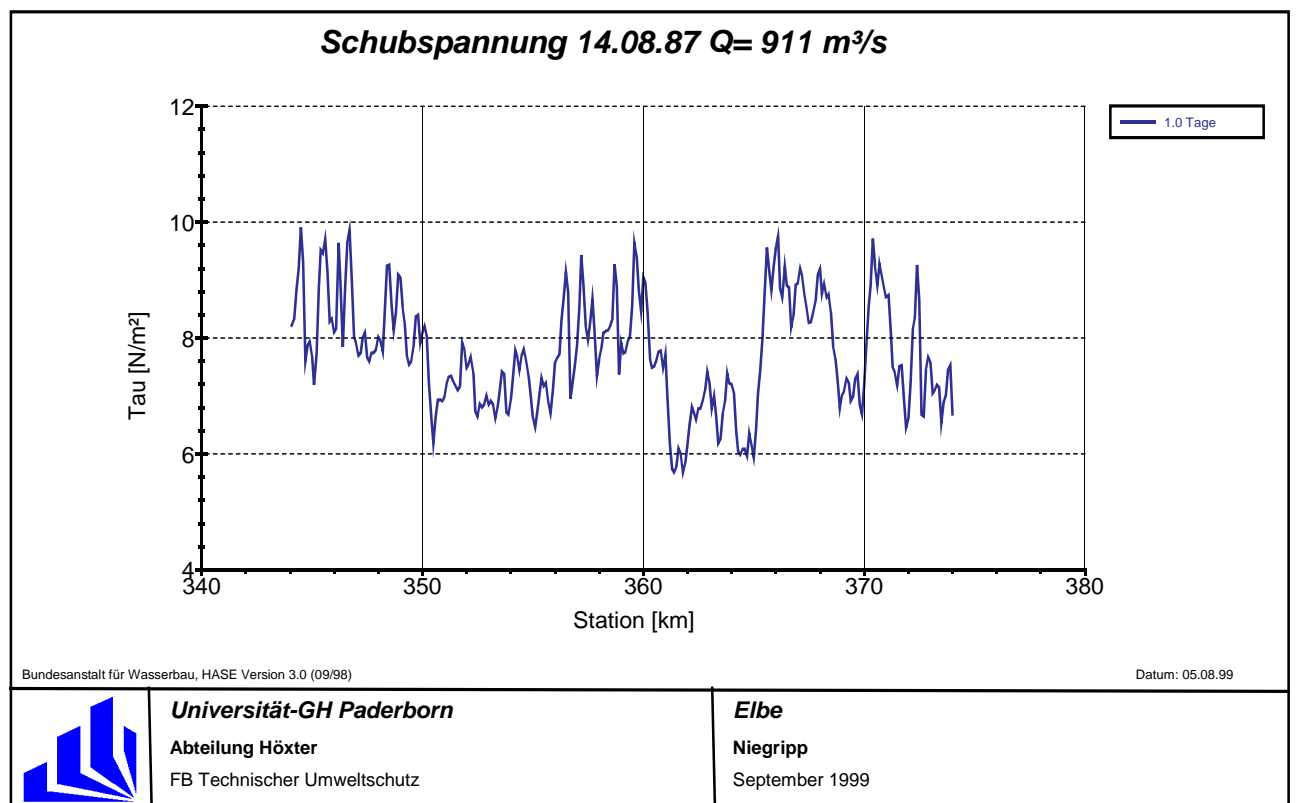
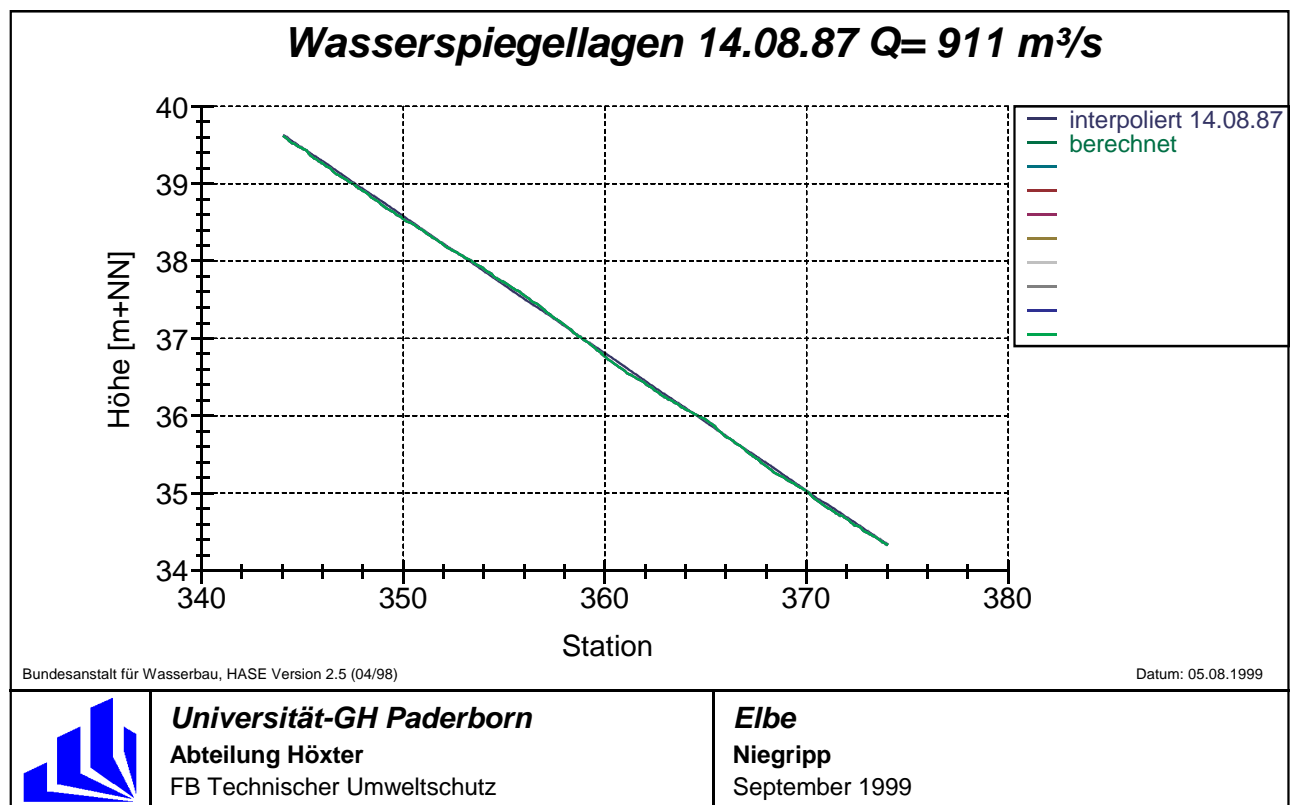
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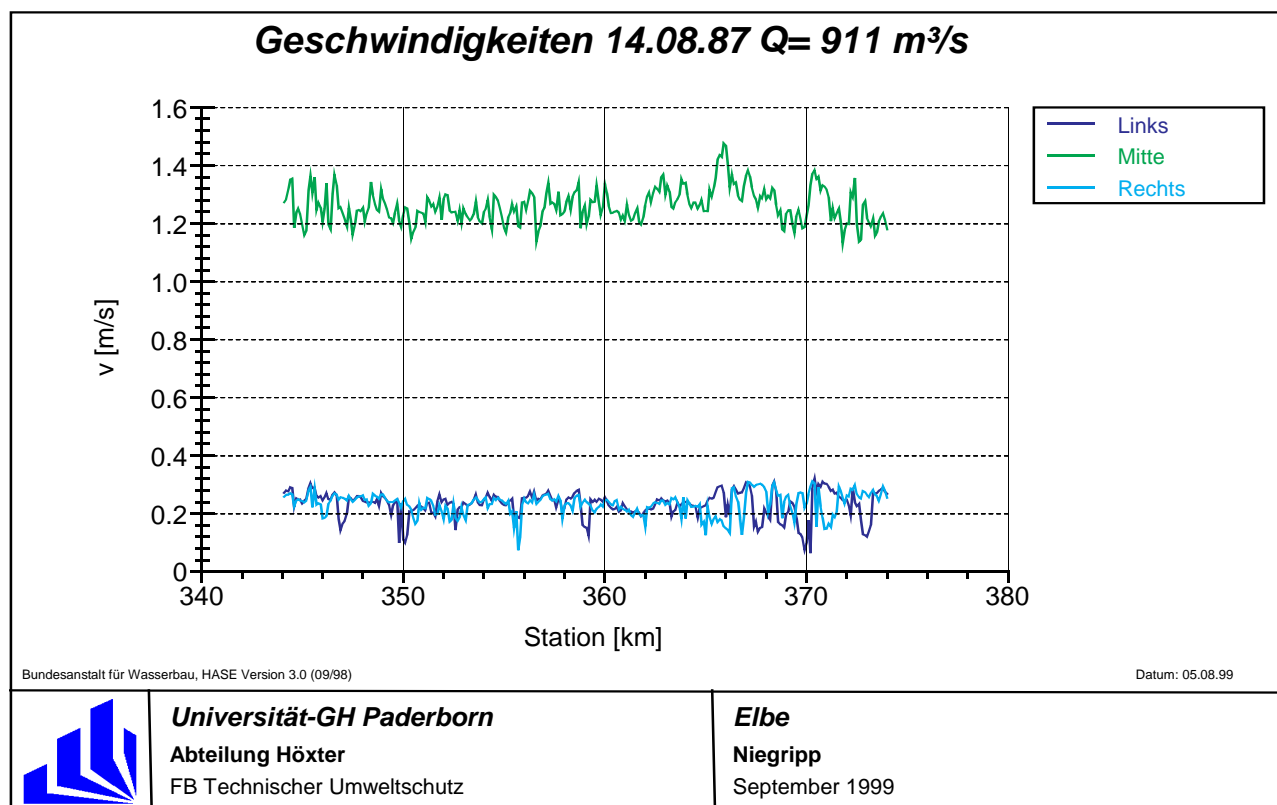
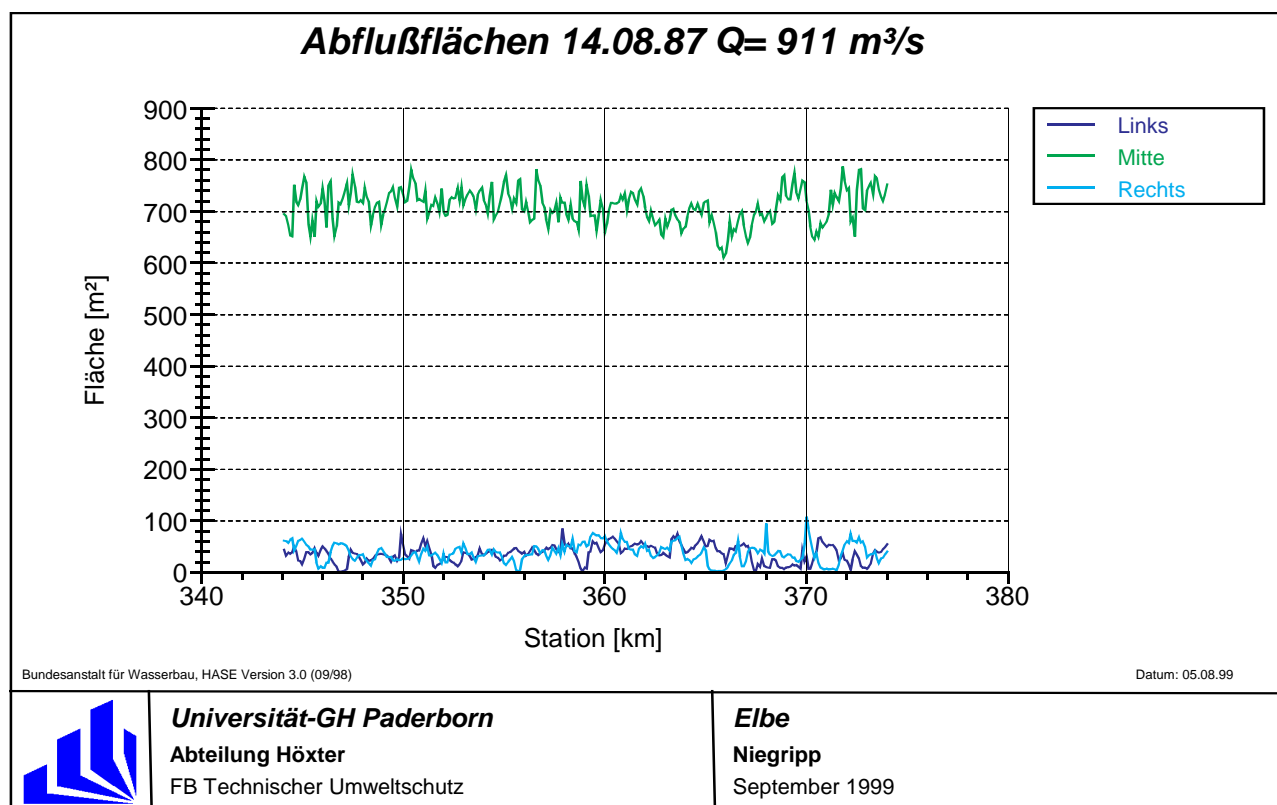


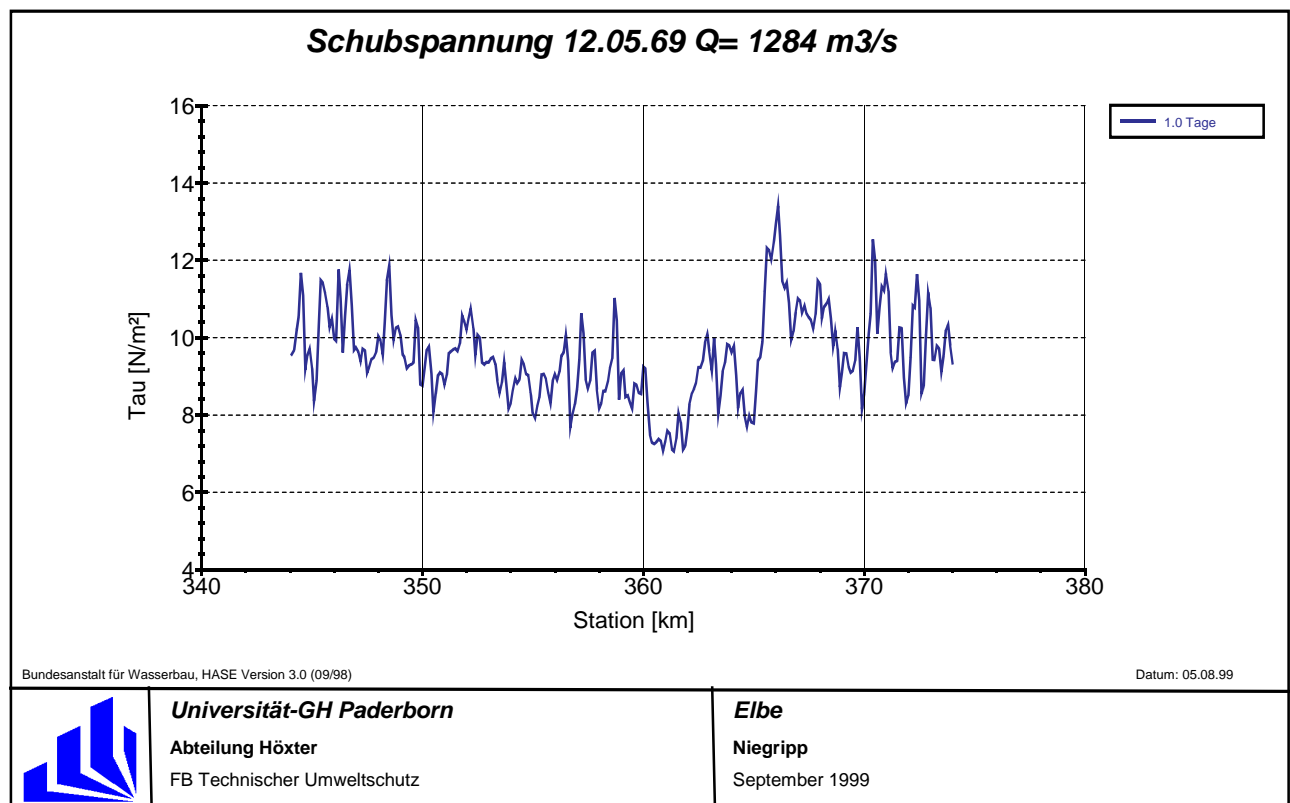
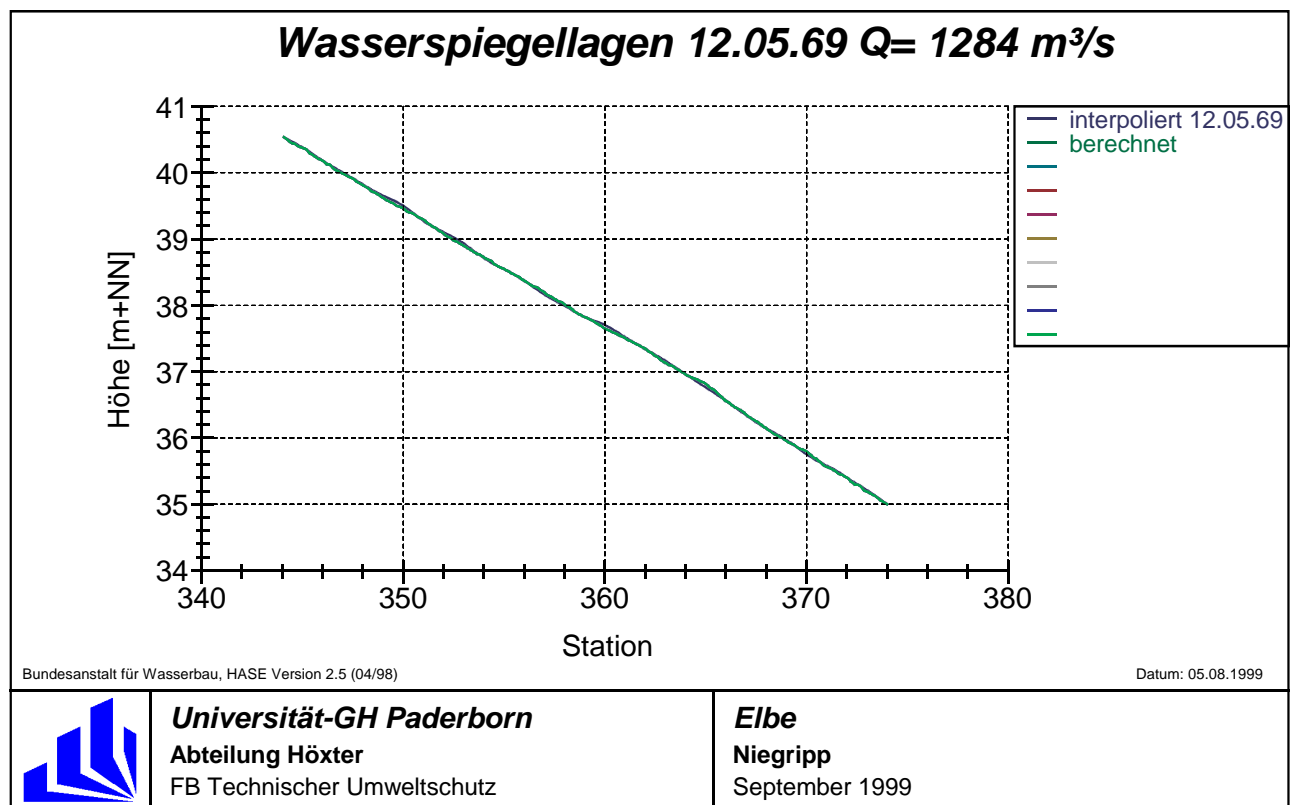


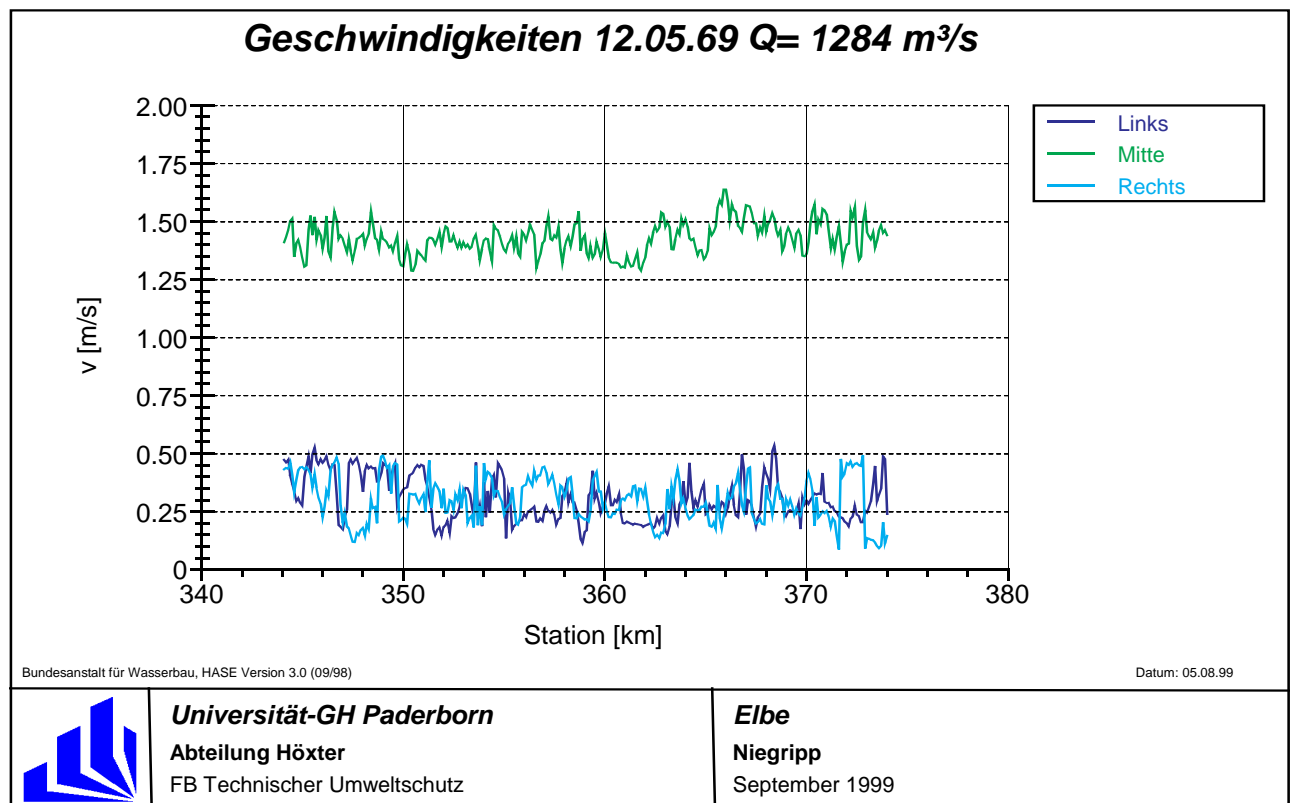
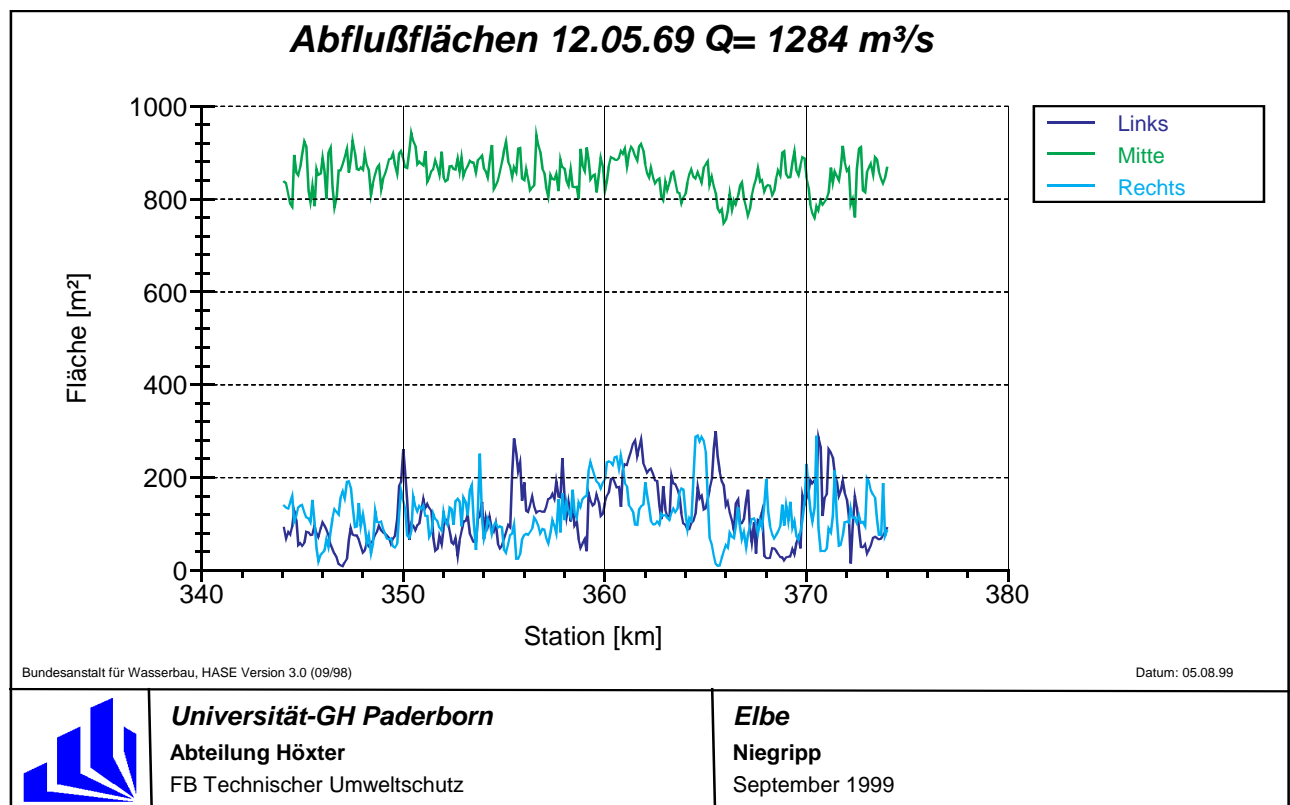


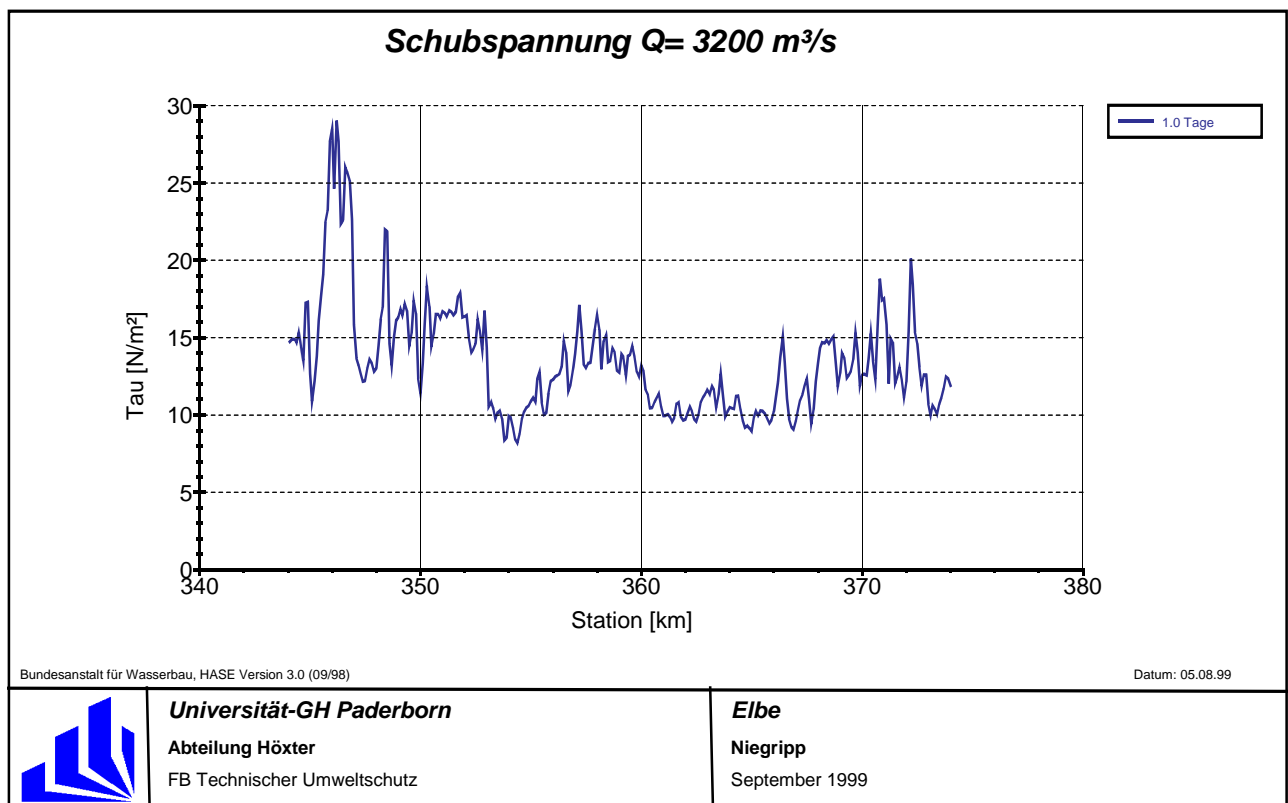
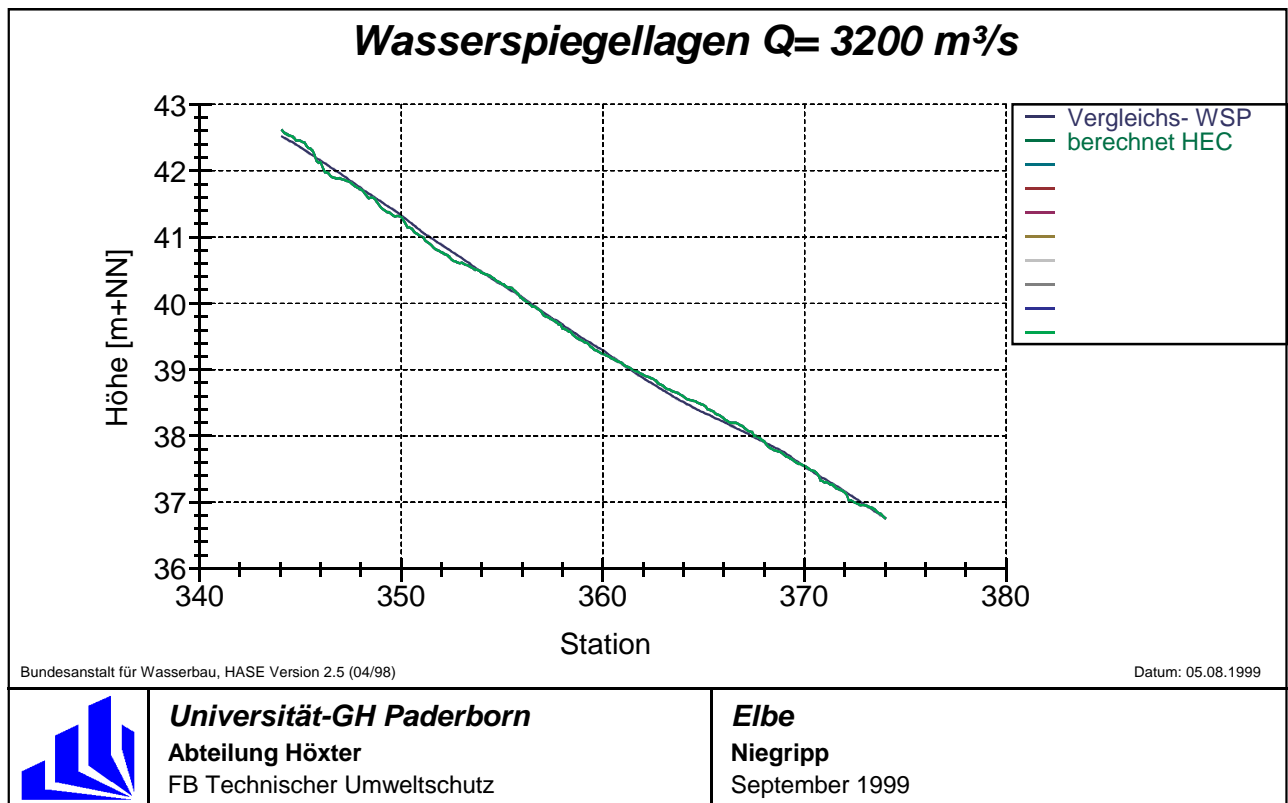


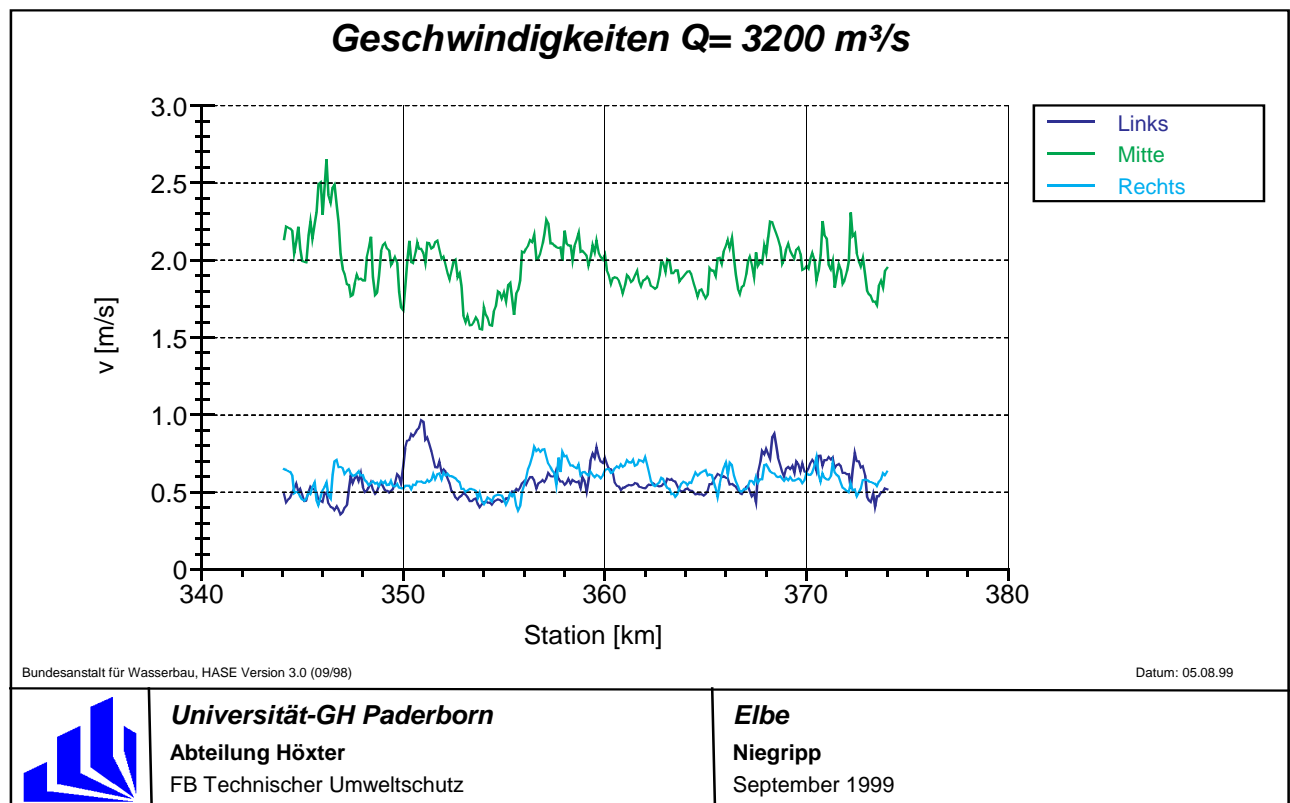
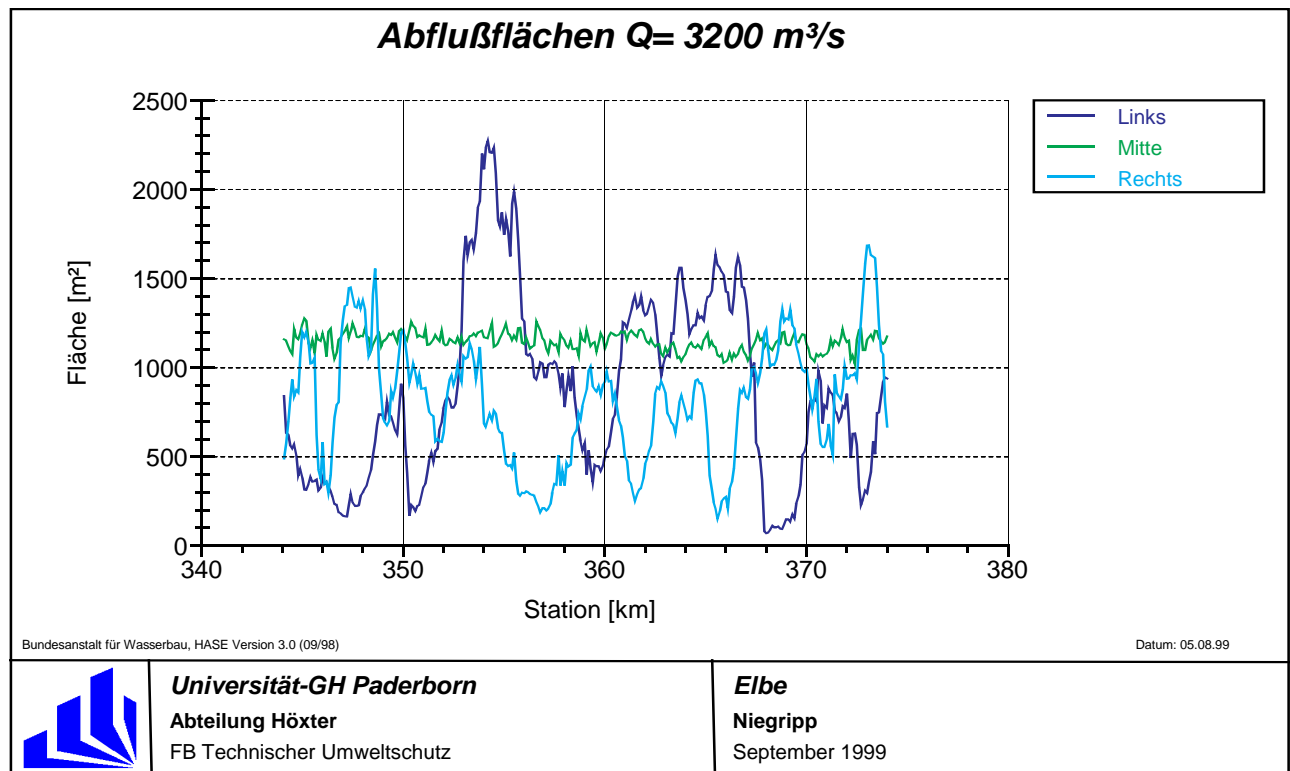


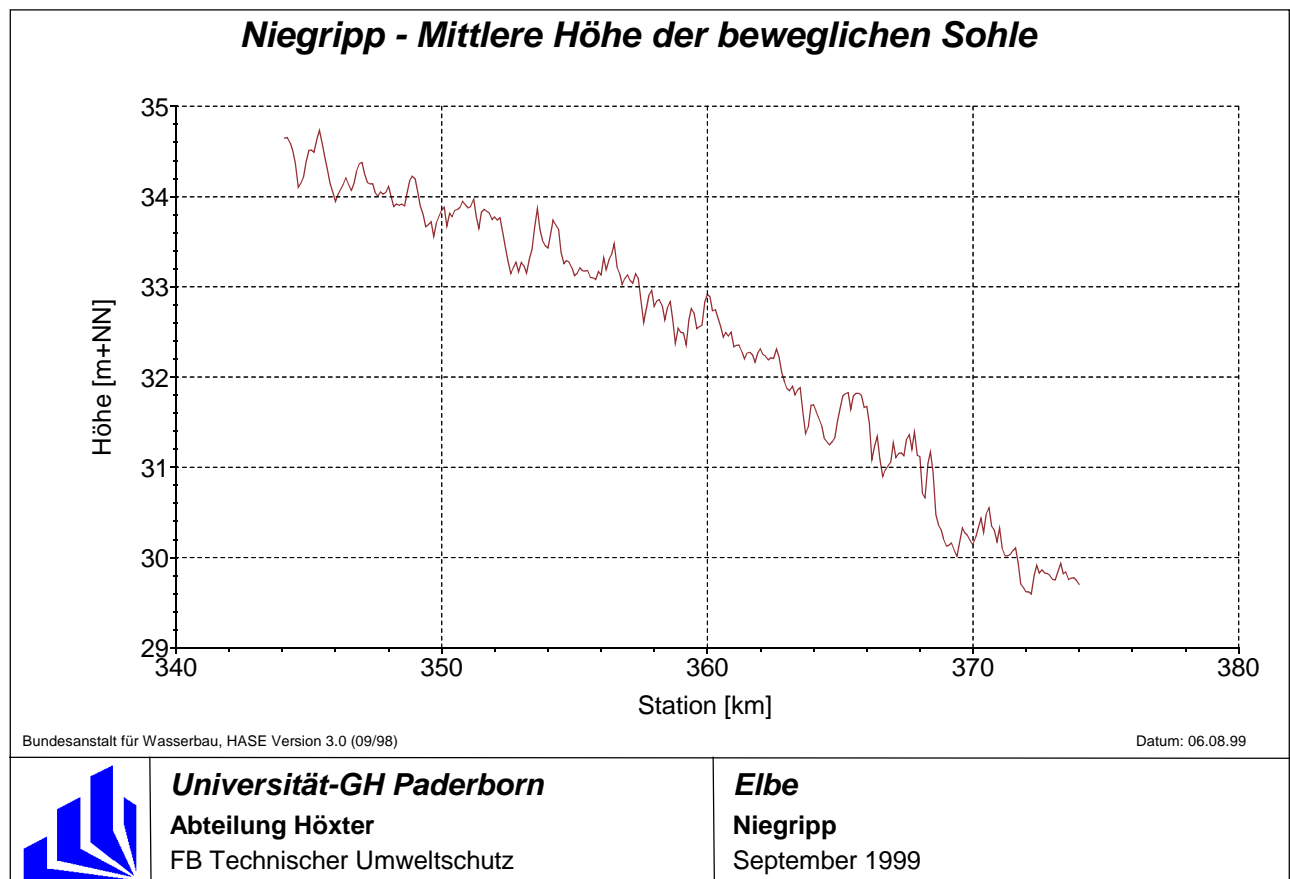
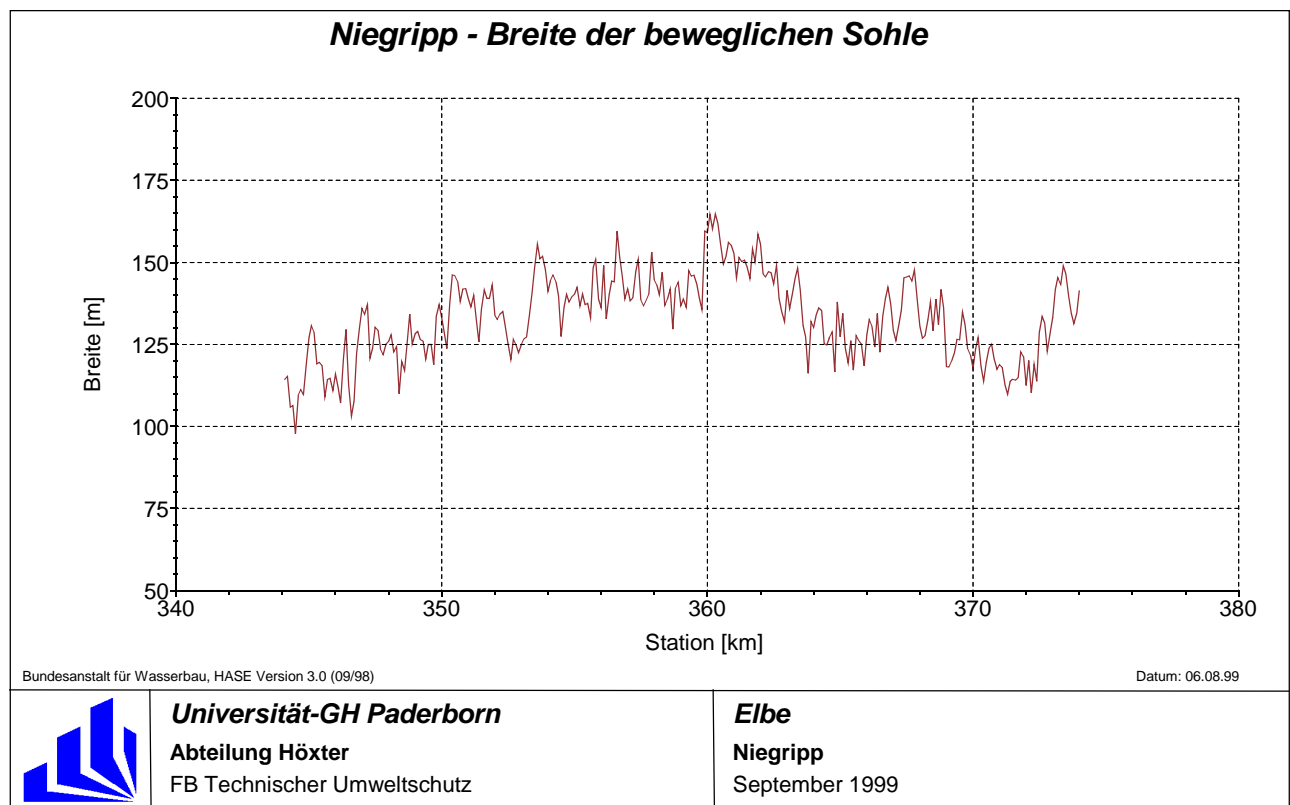


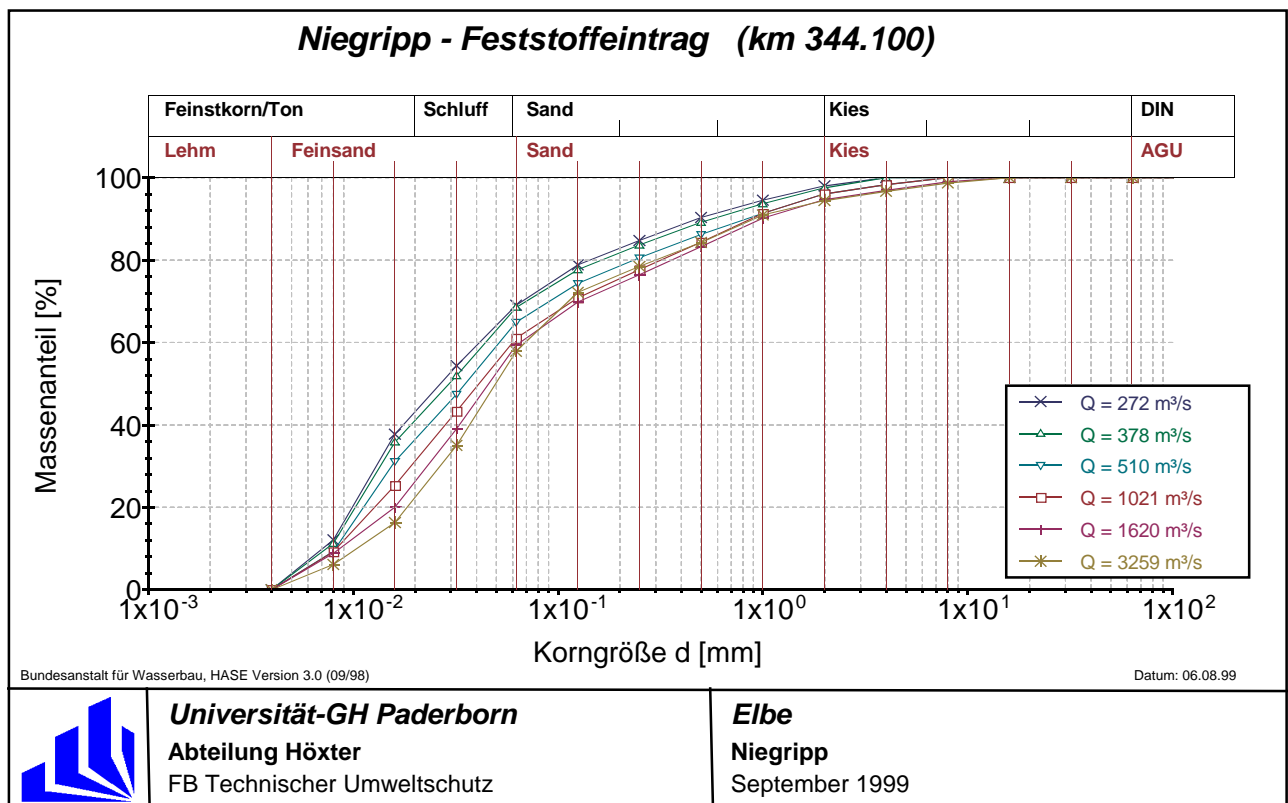
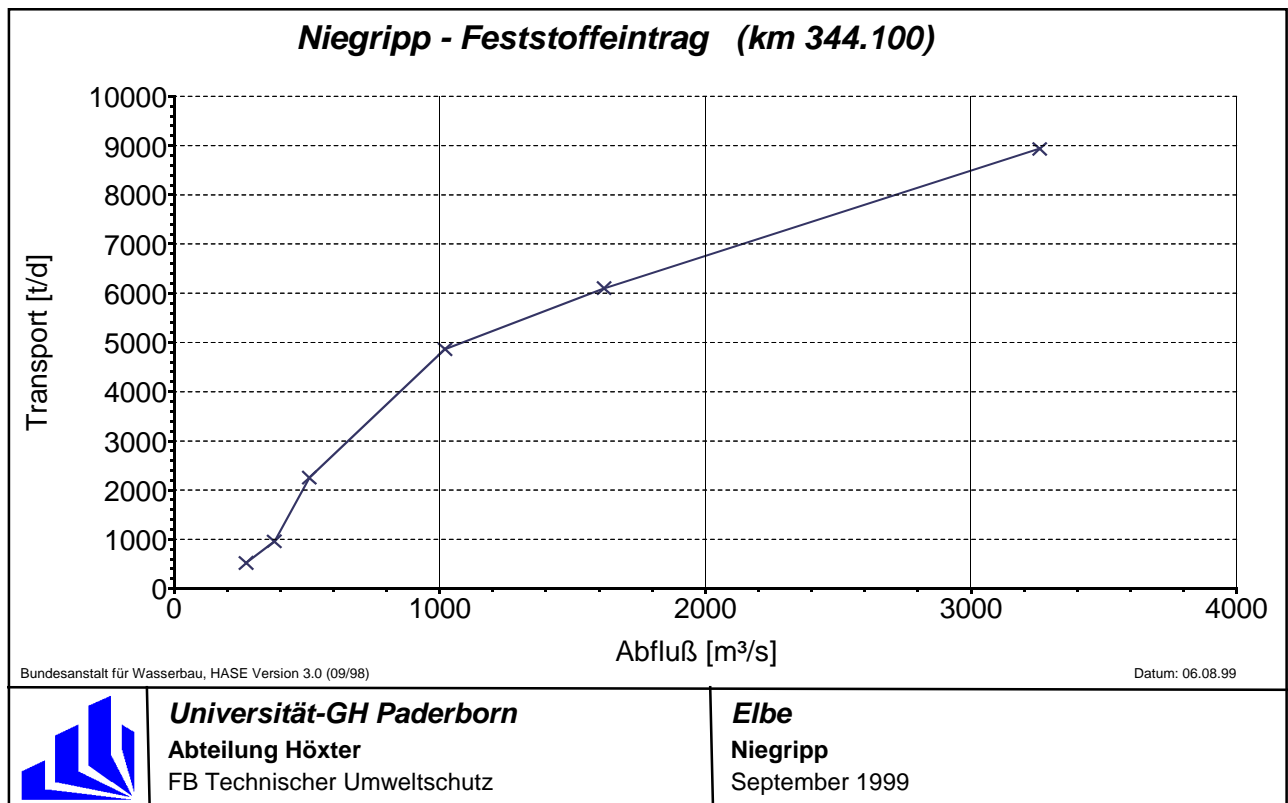


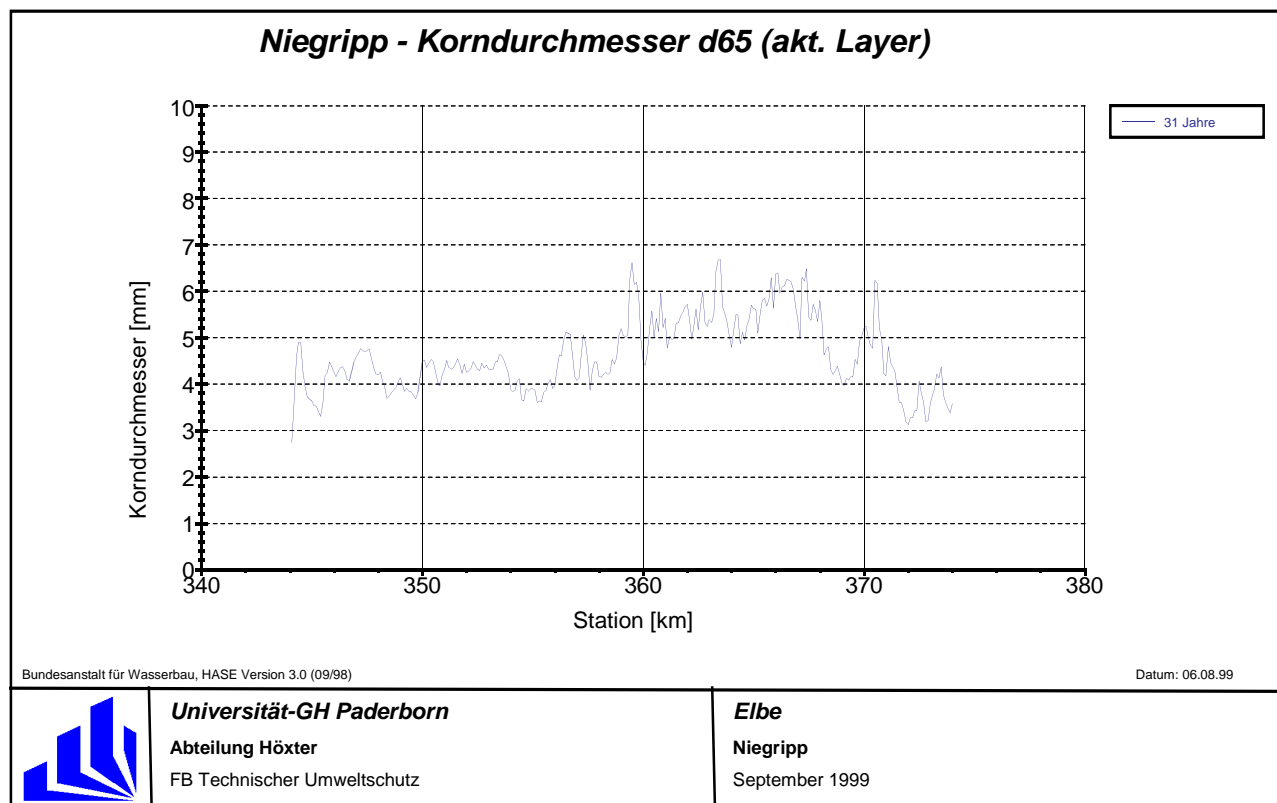
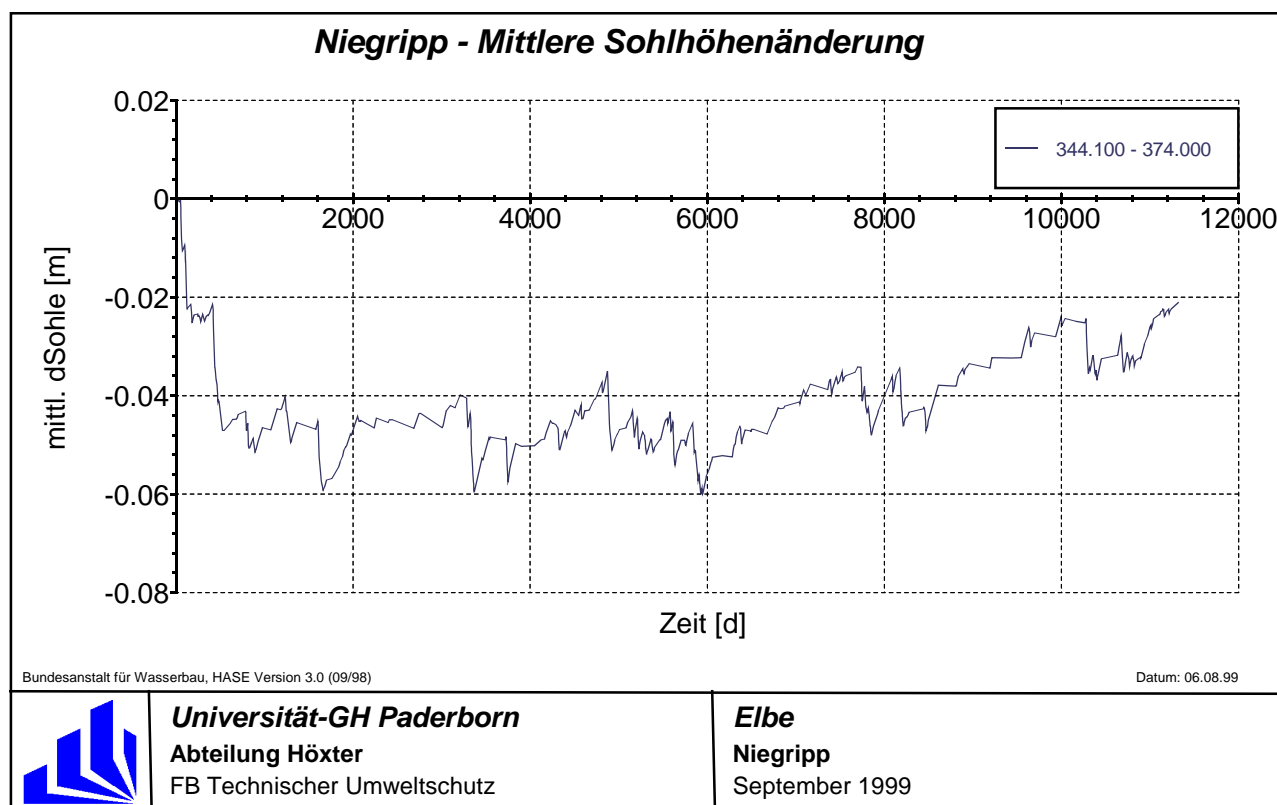


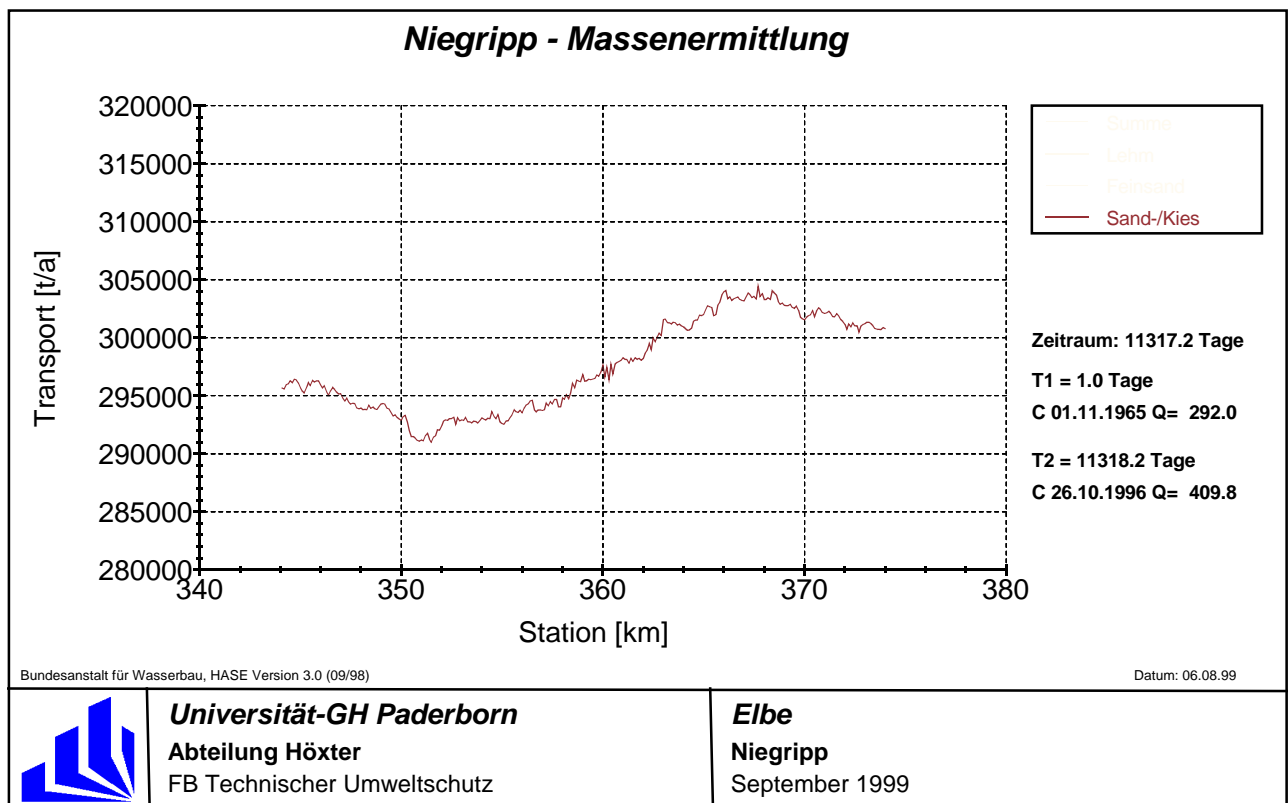
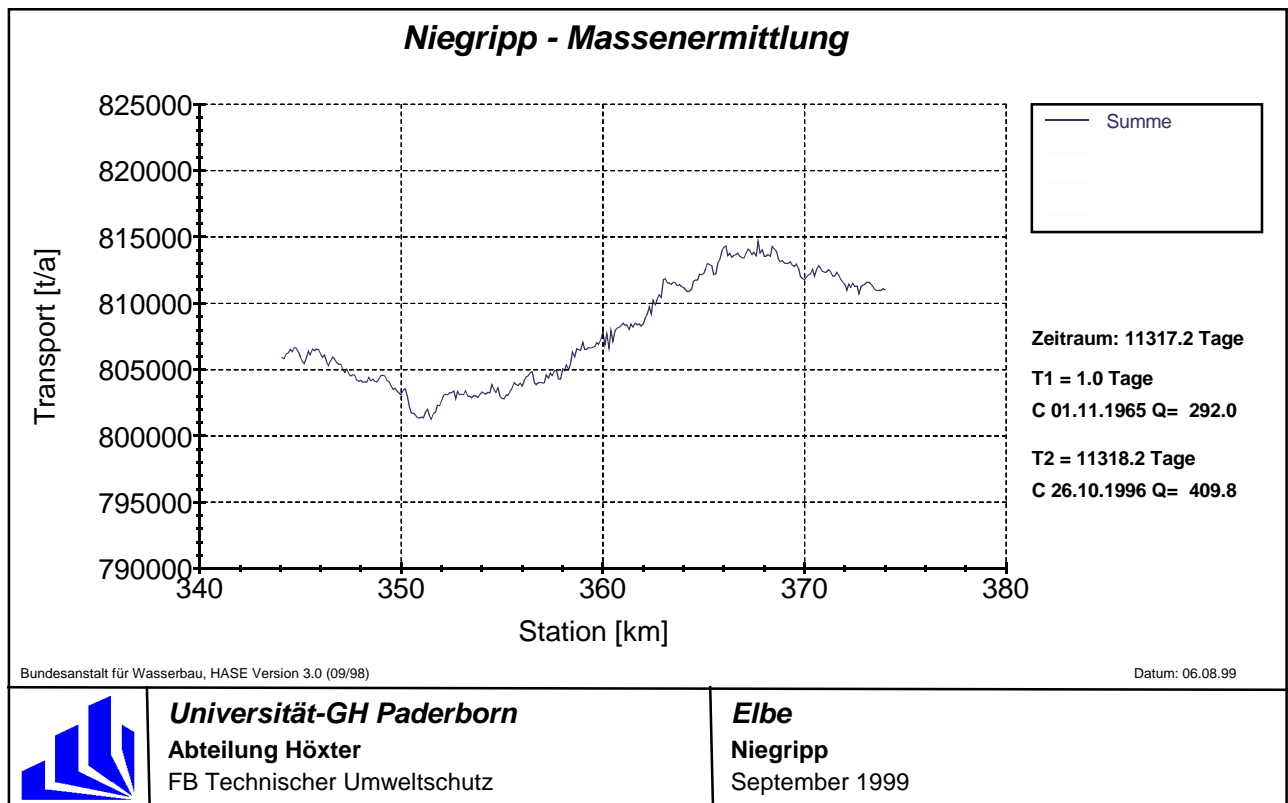












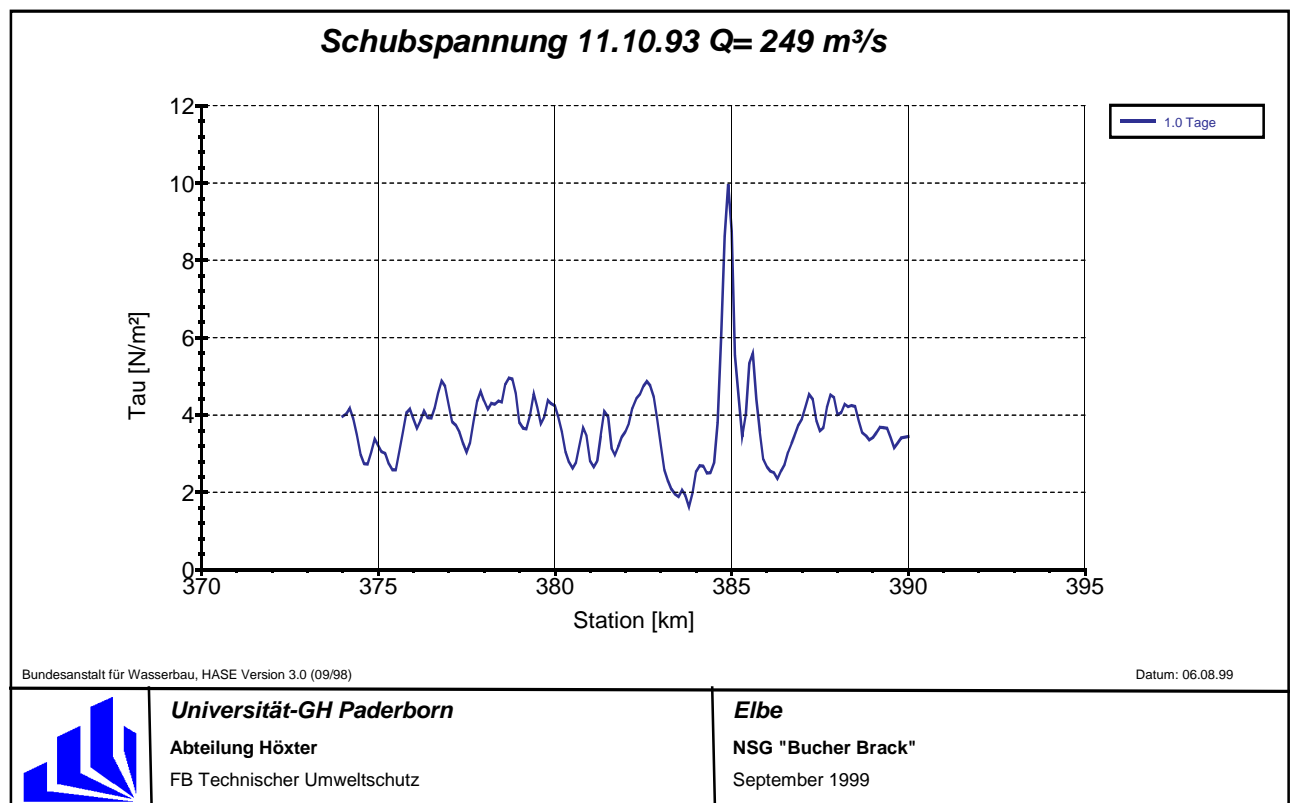
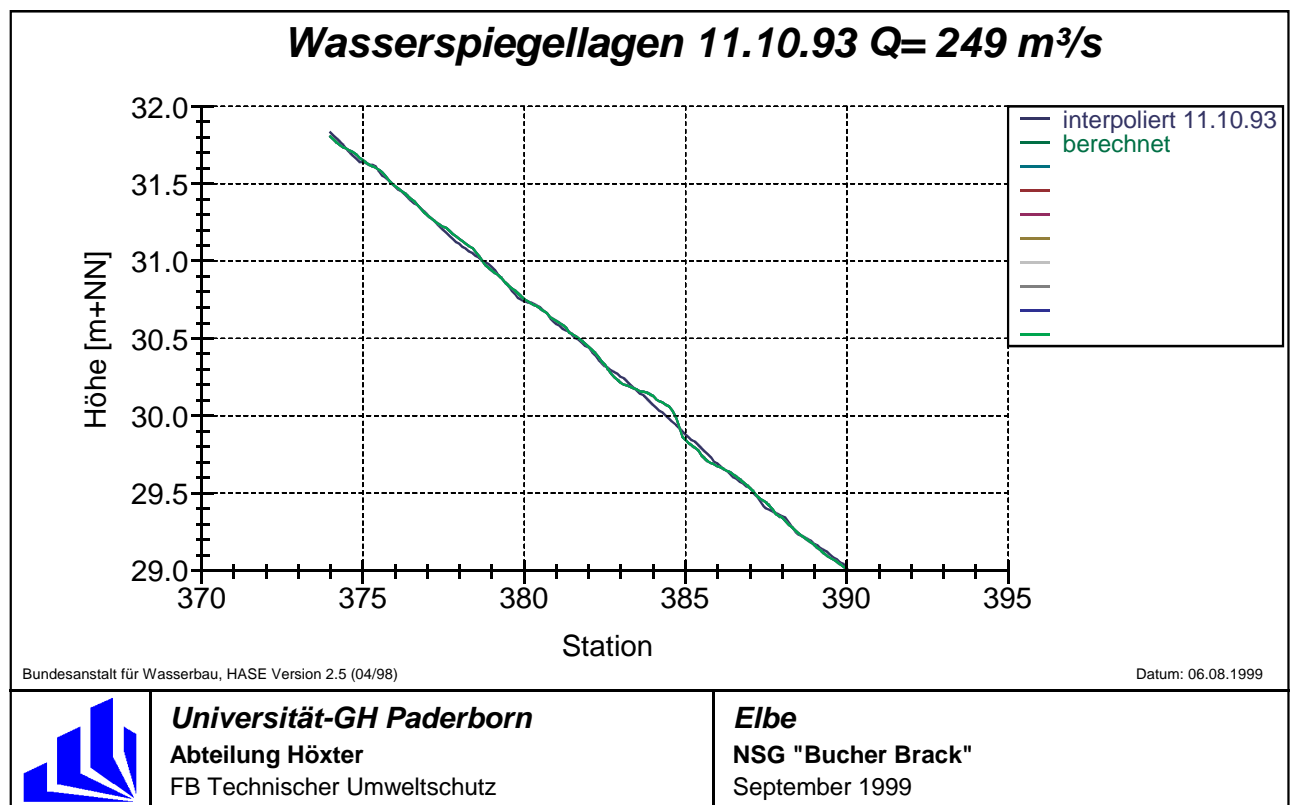
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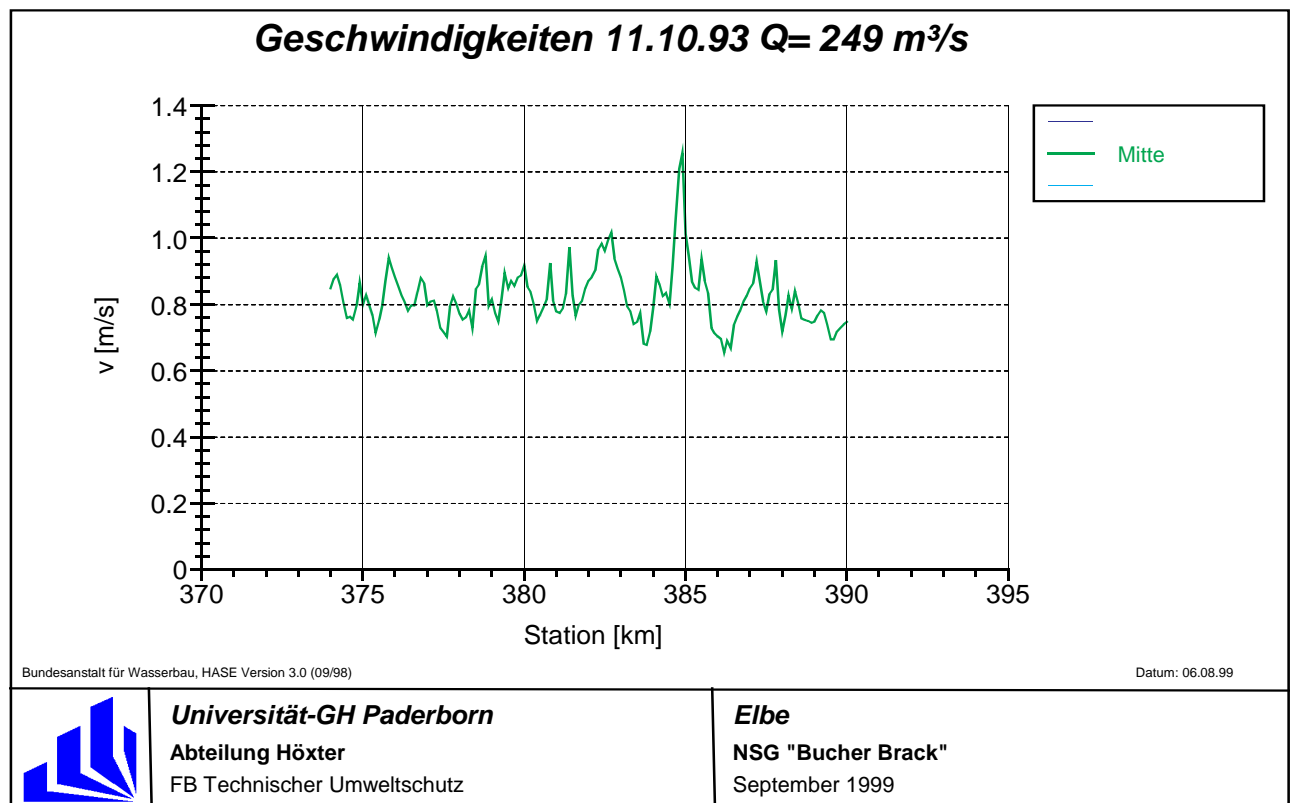
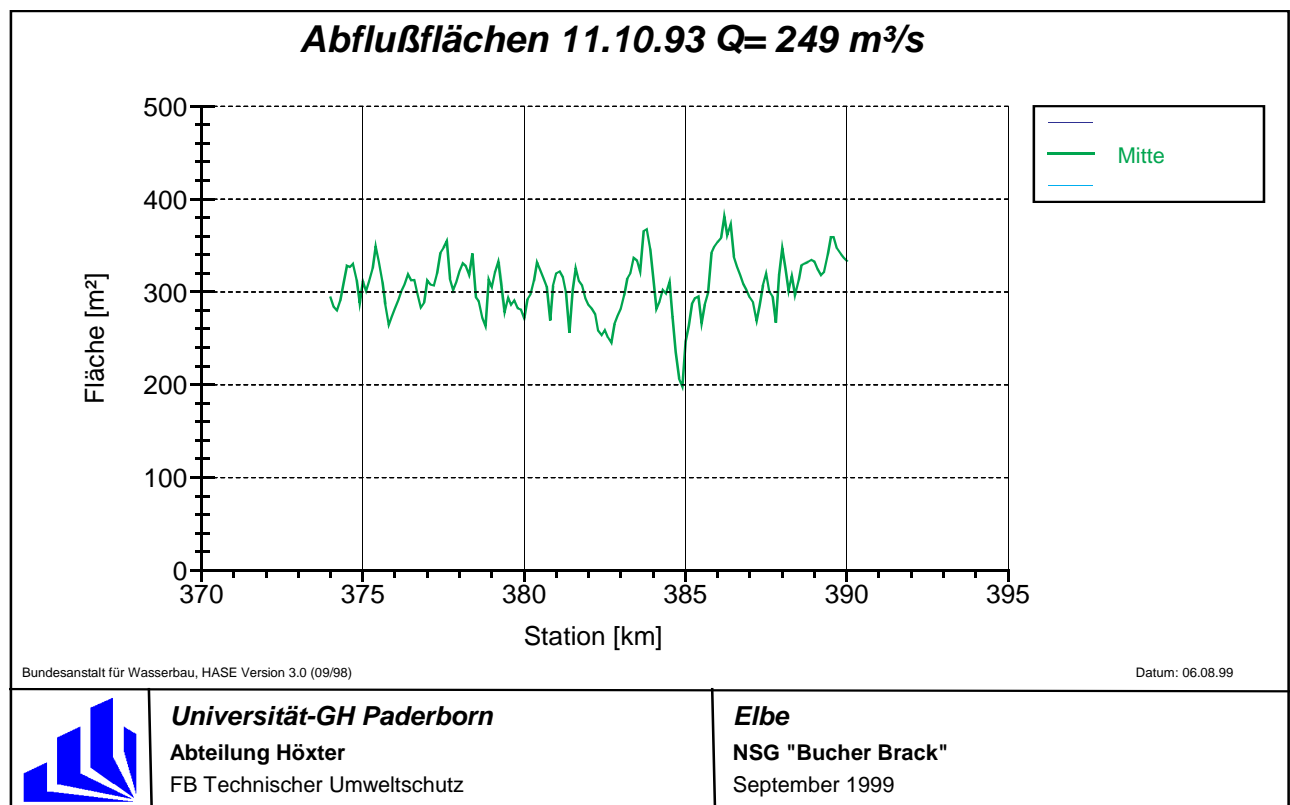
Berechnungsstrecke NSG „Bucher Brack“

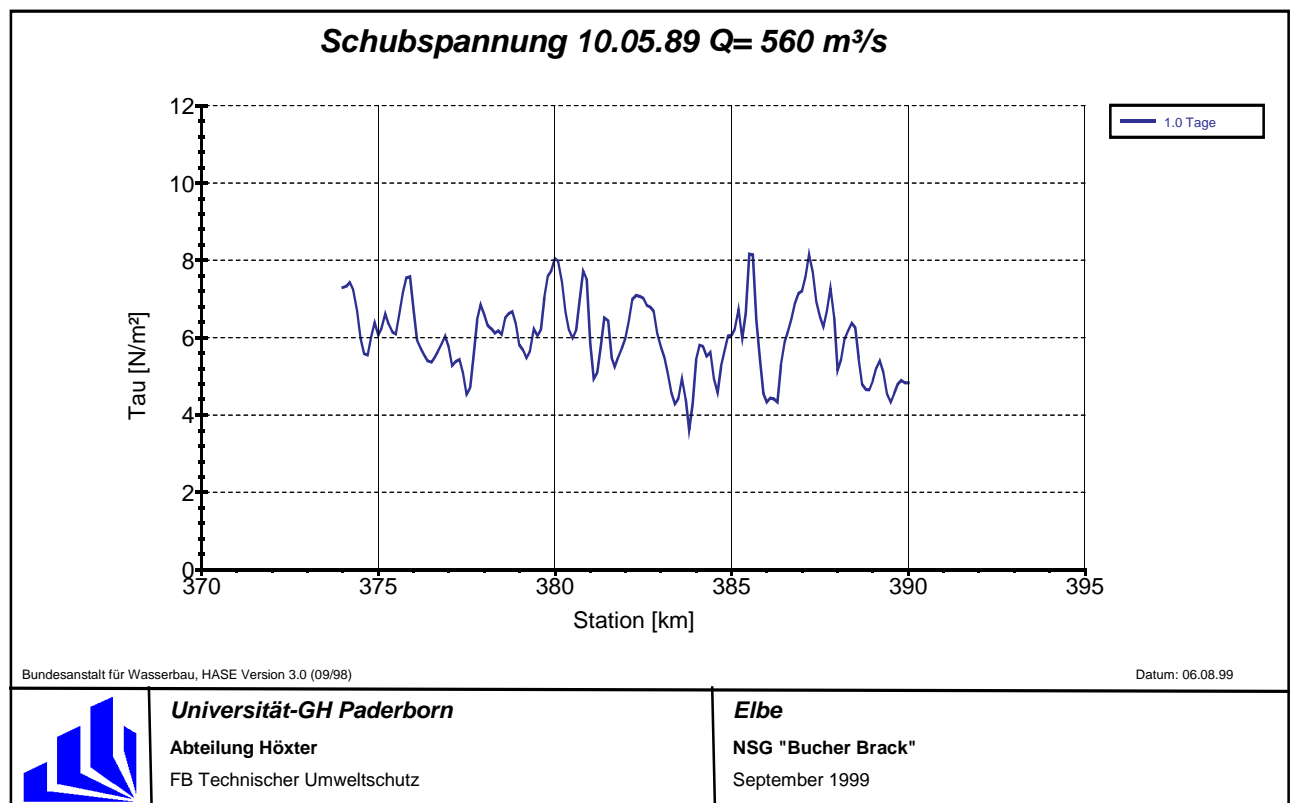
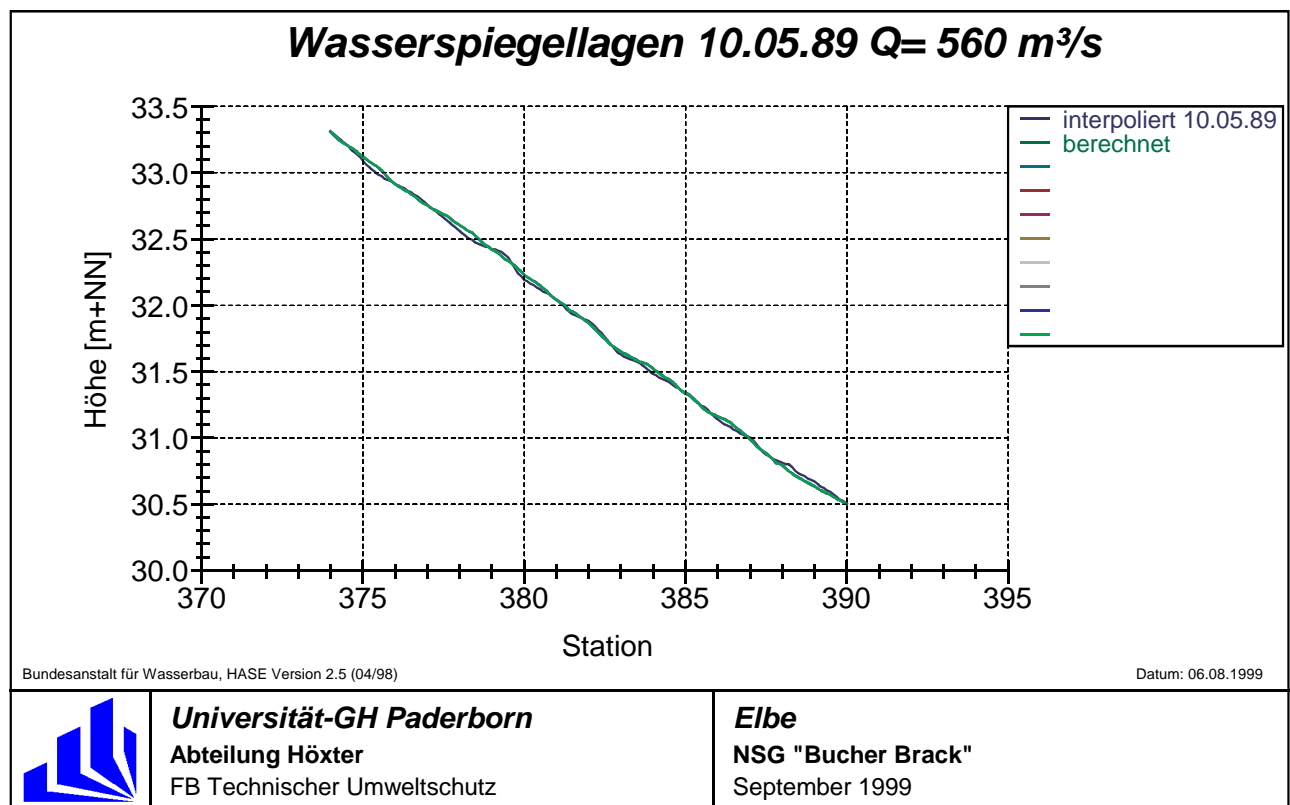
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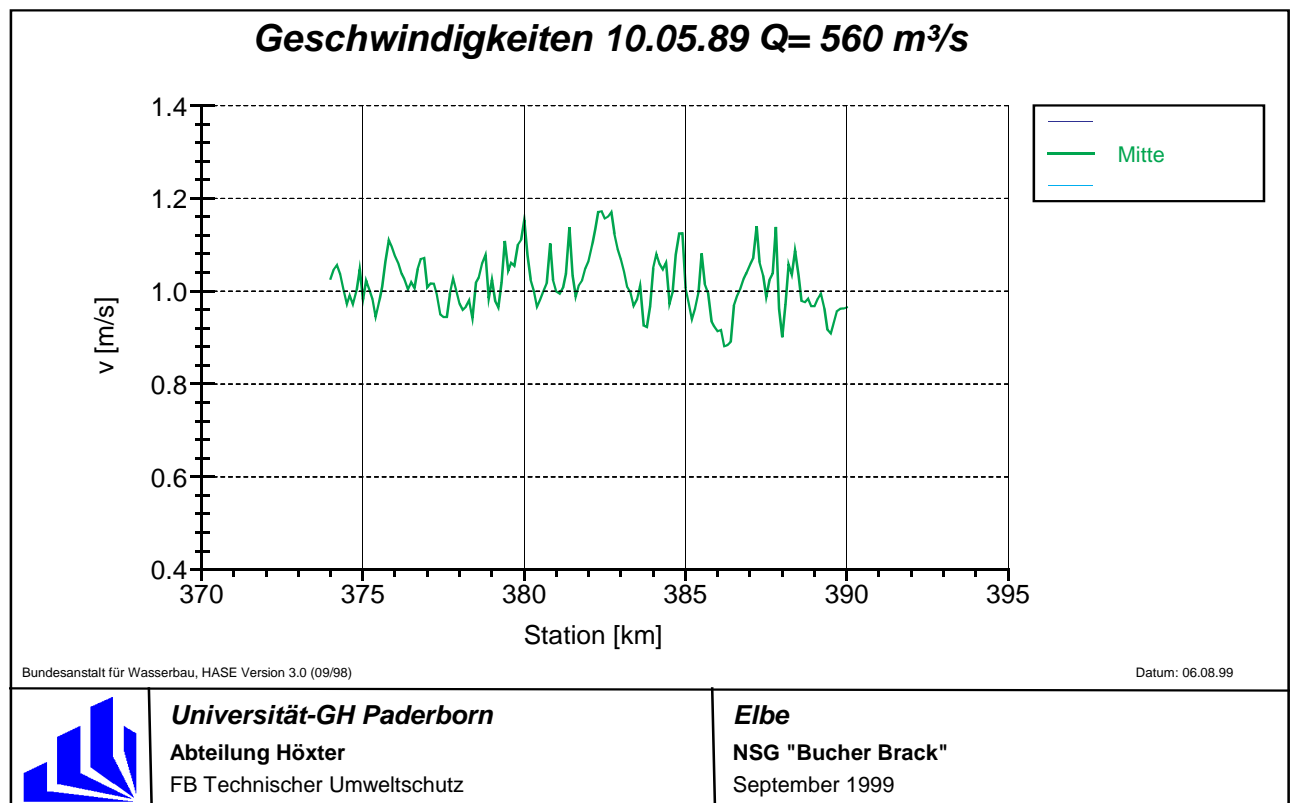
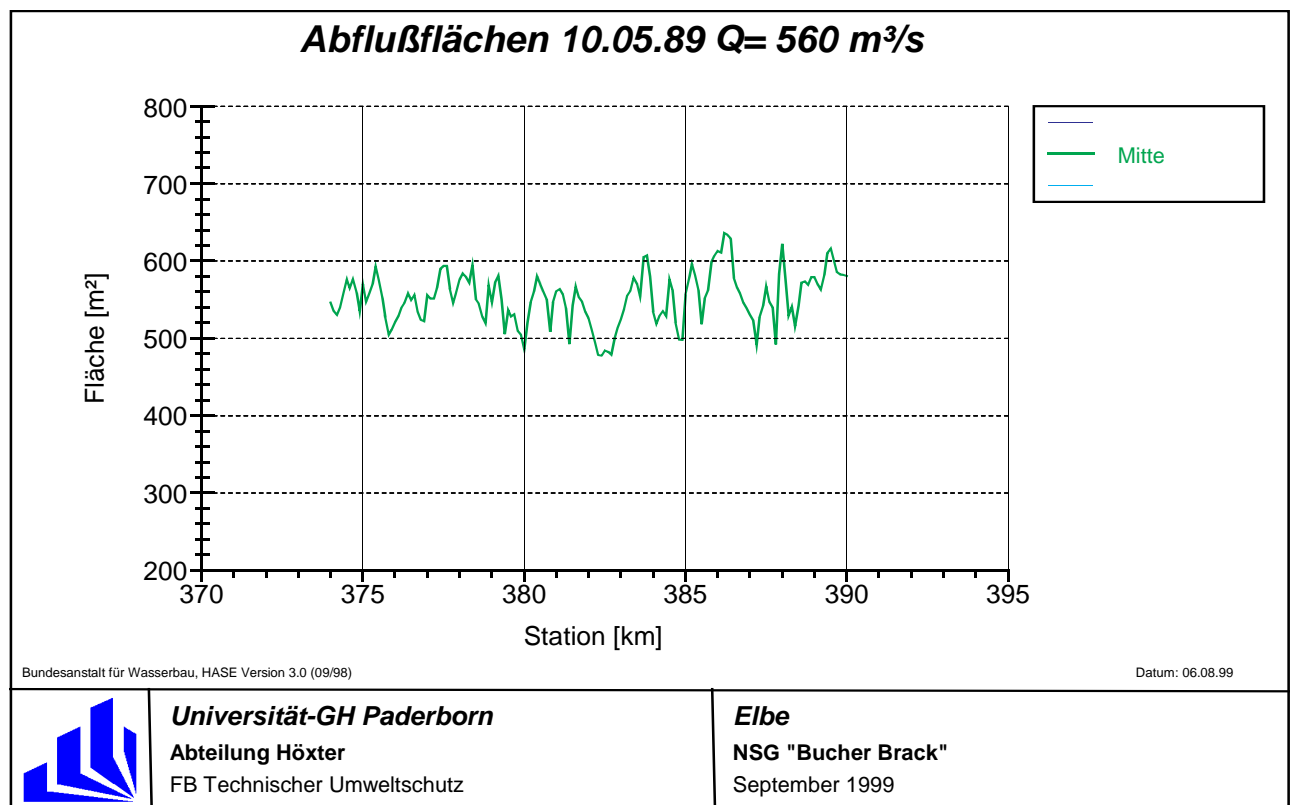
Anlage V-2: Hydraulisches Modell

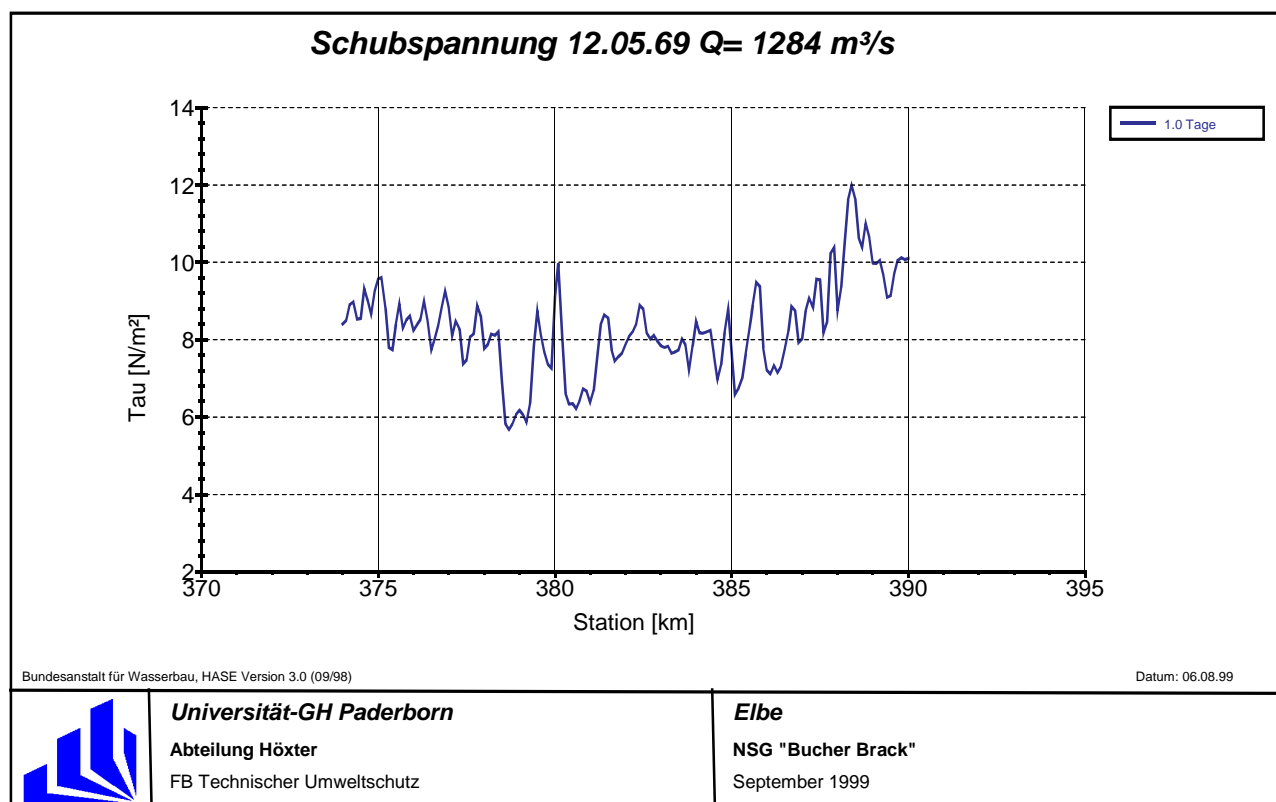
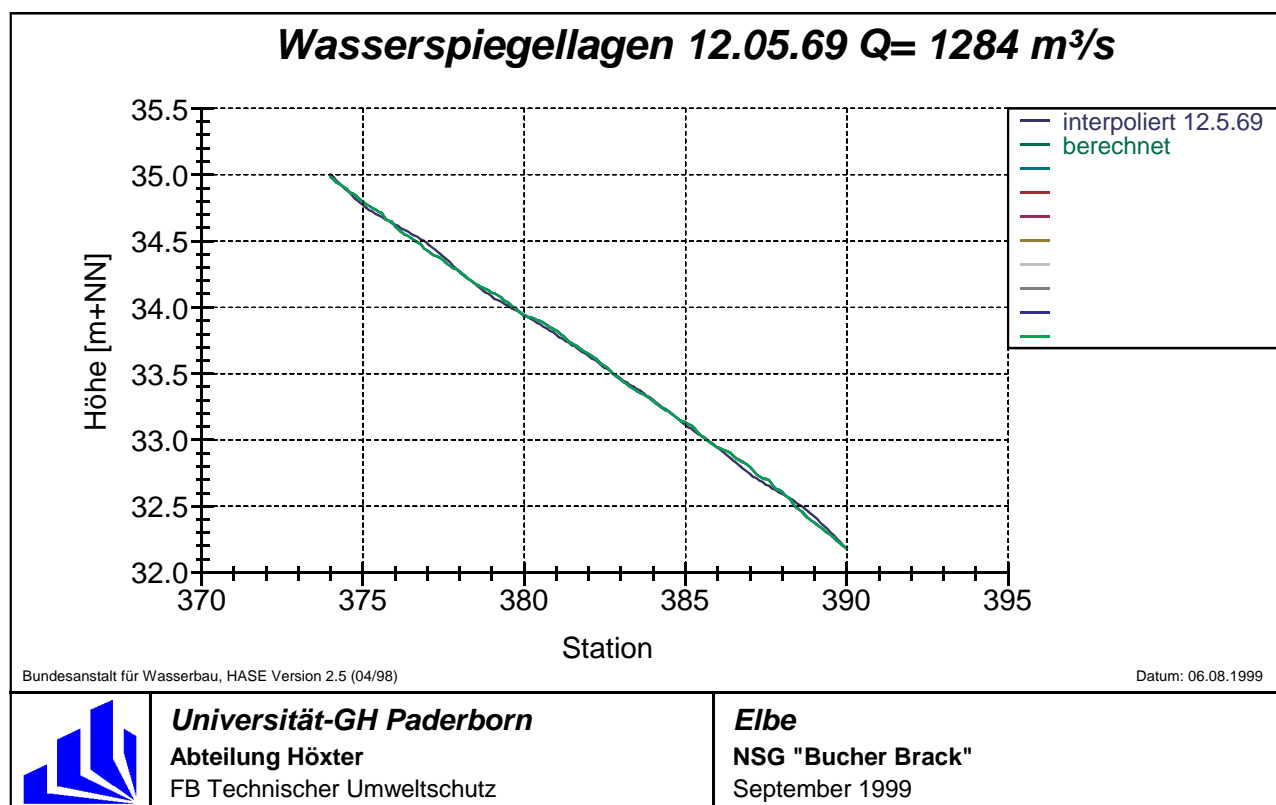
Anlage V-3: Sedimentologisches Modell

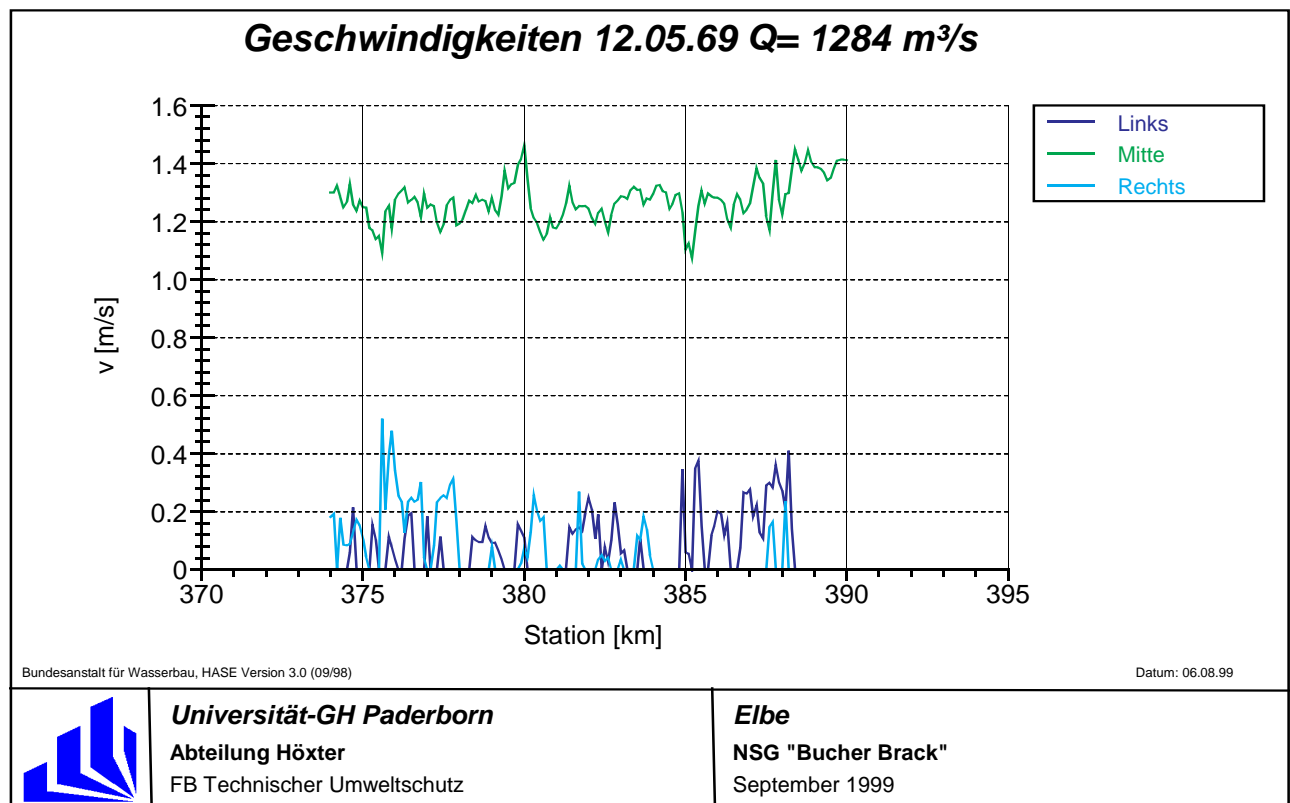
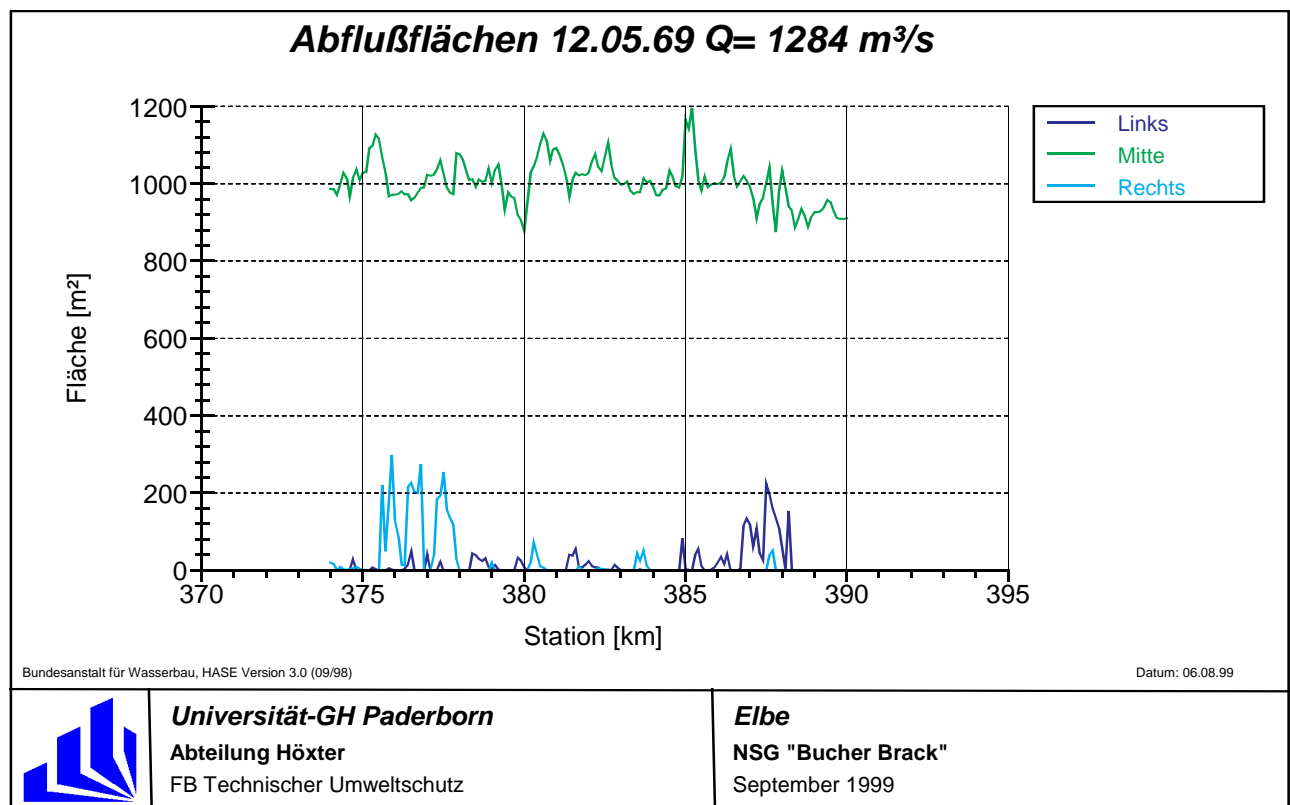


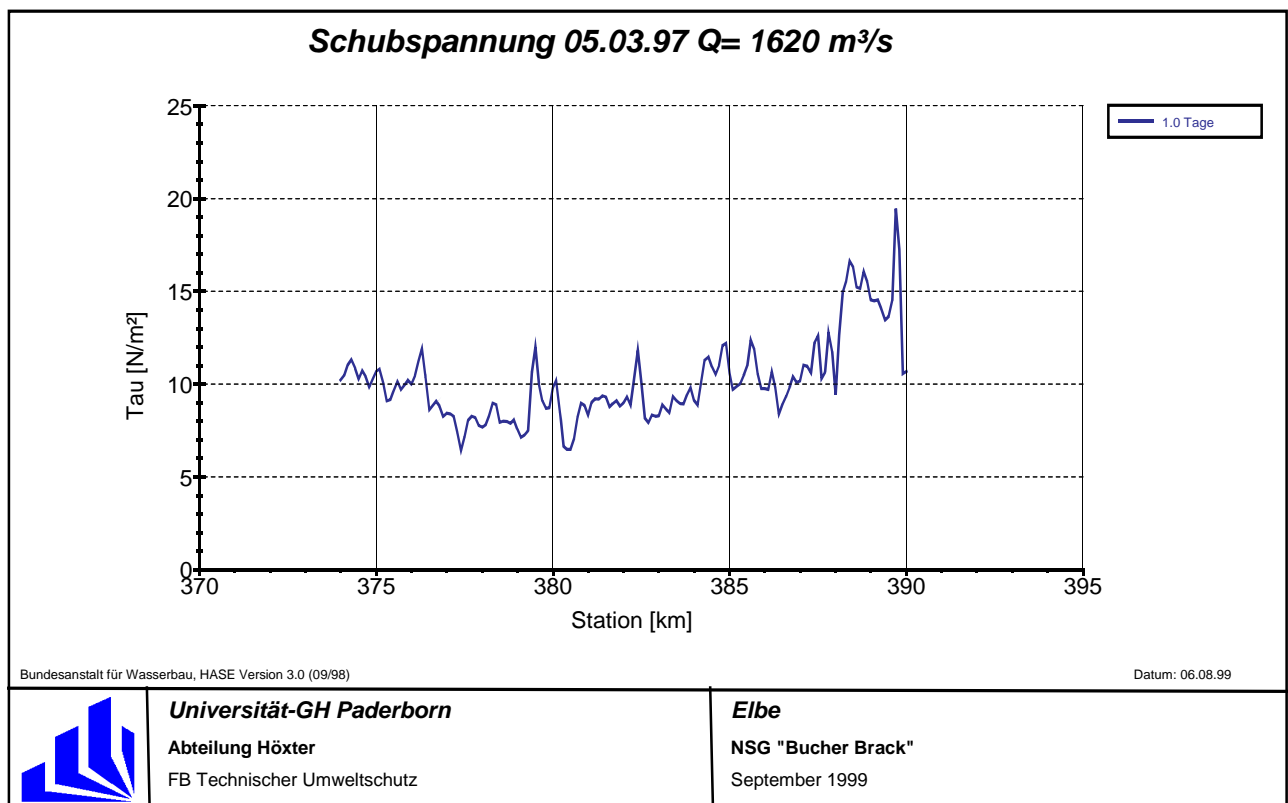
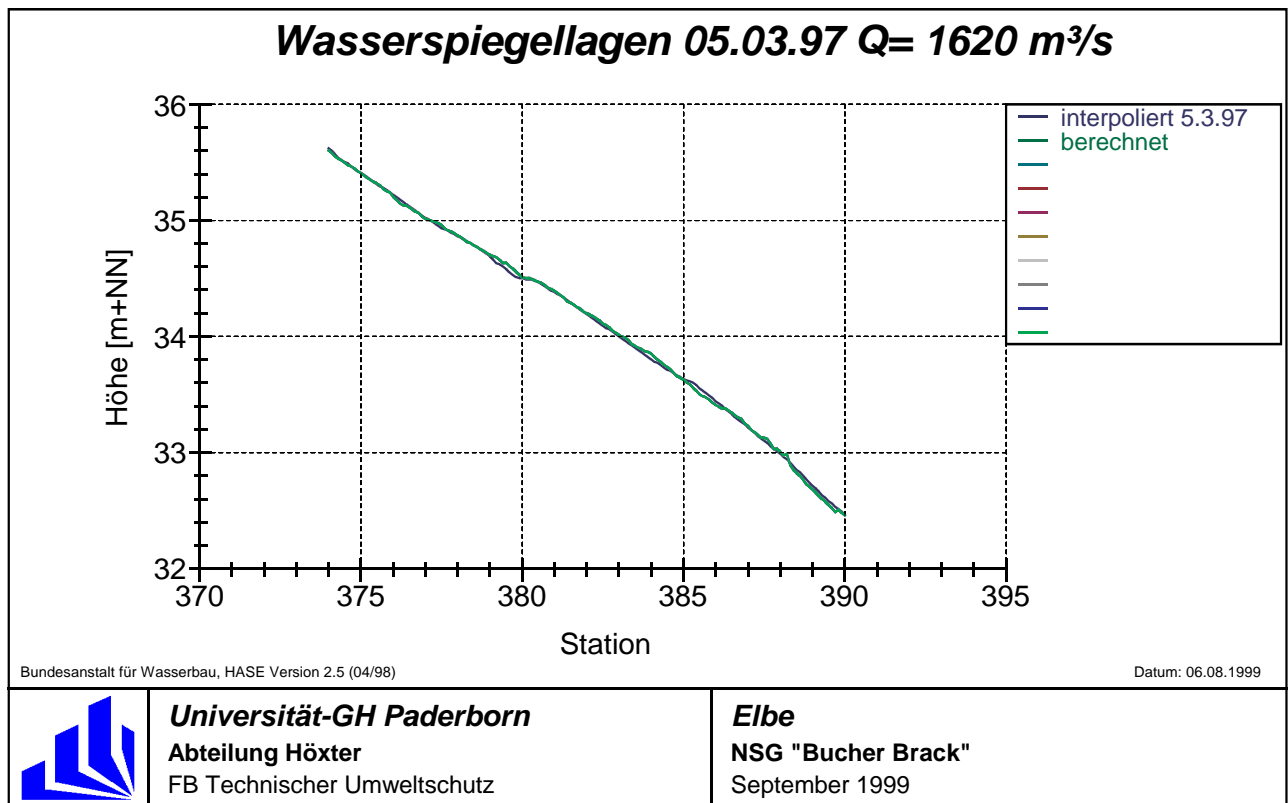


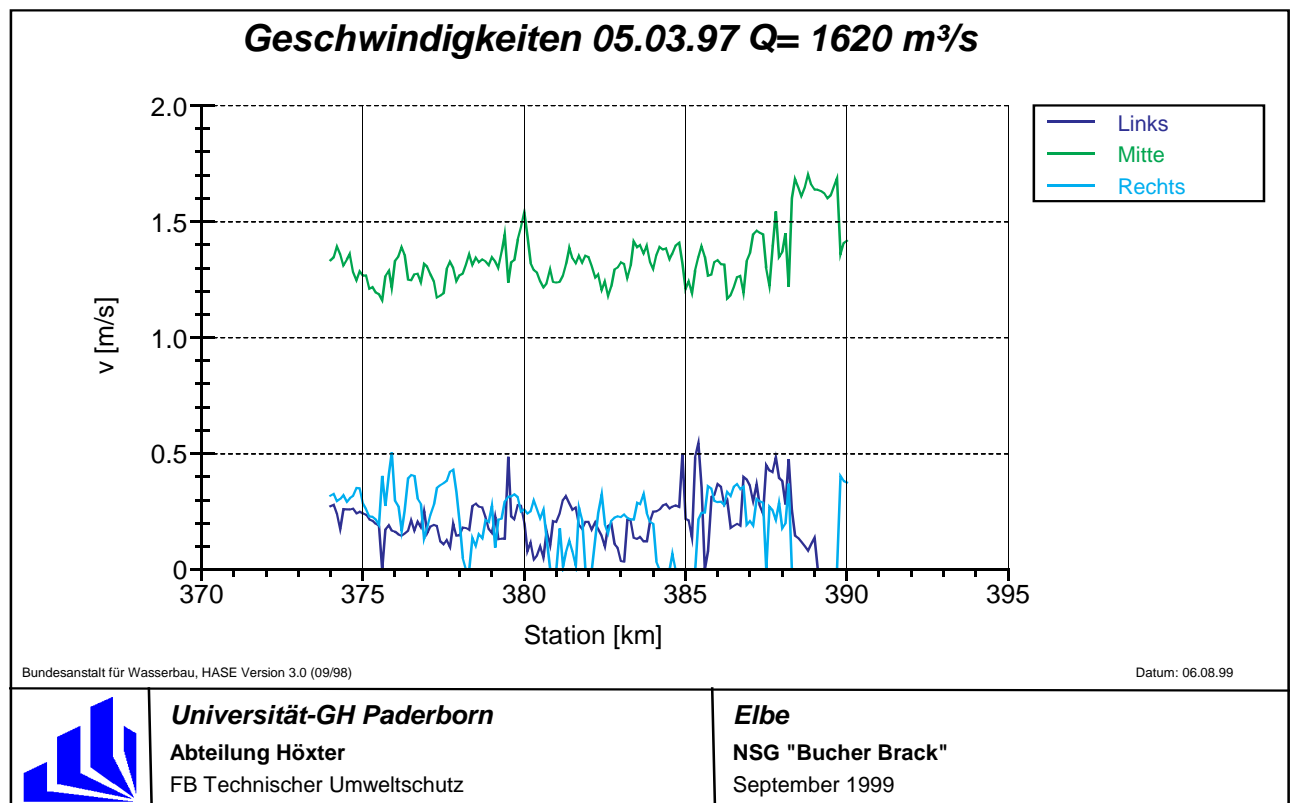
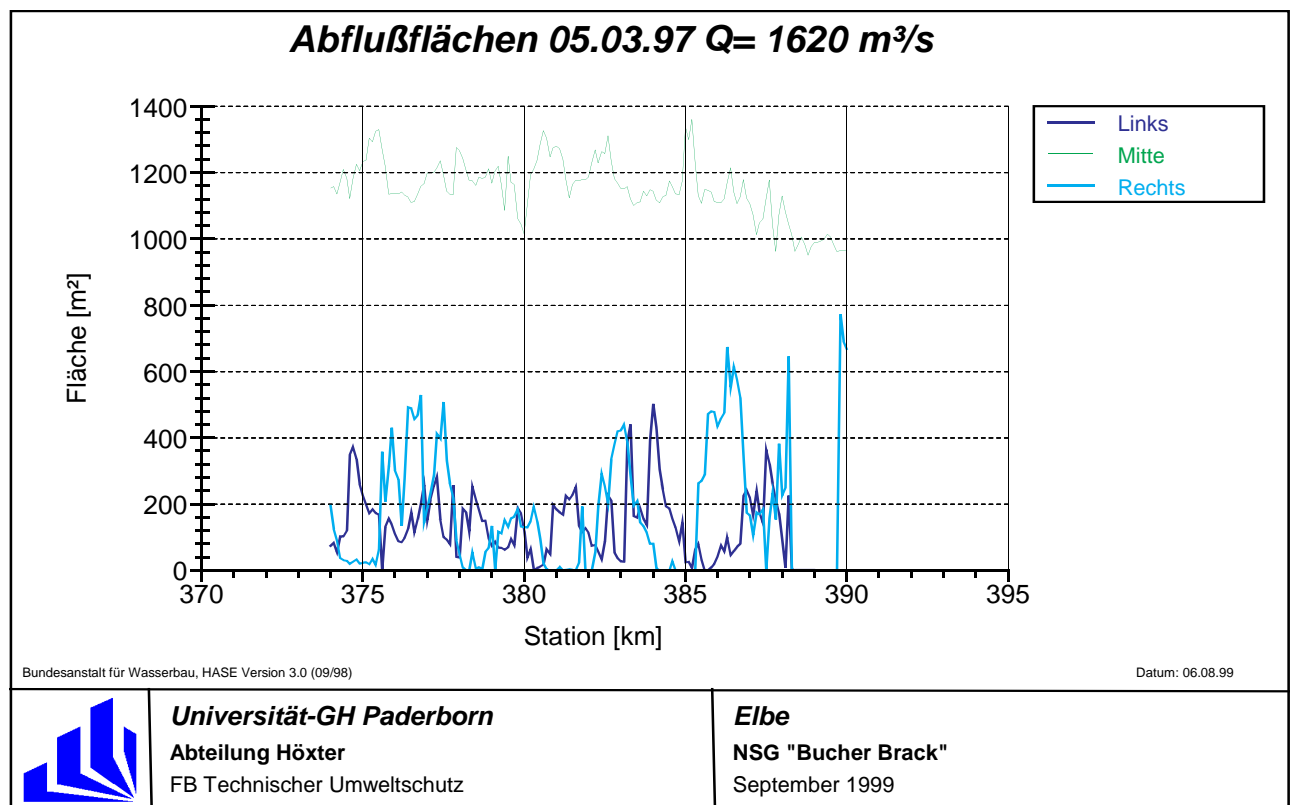


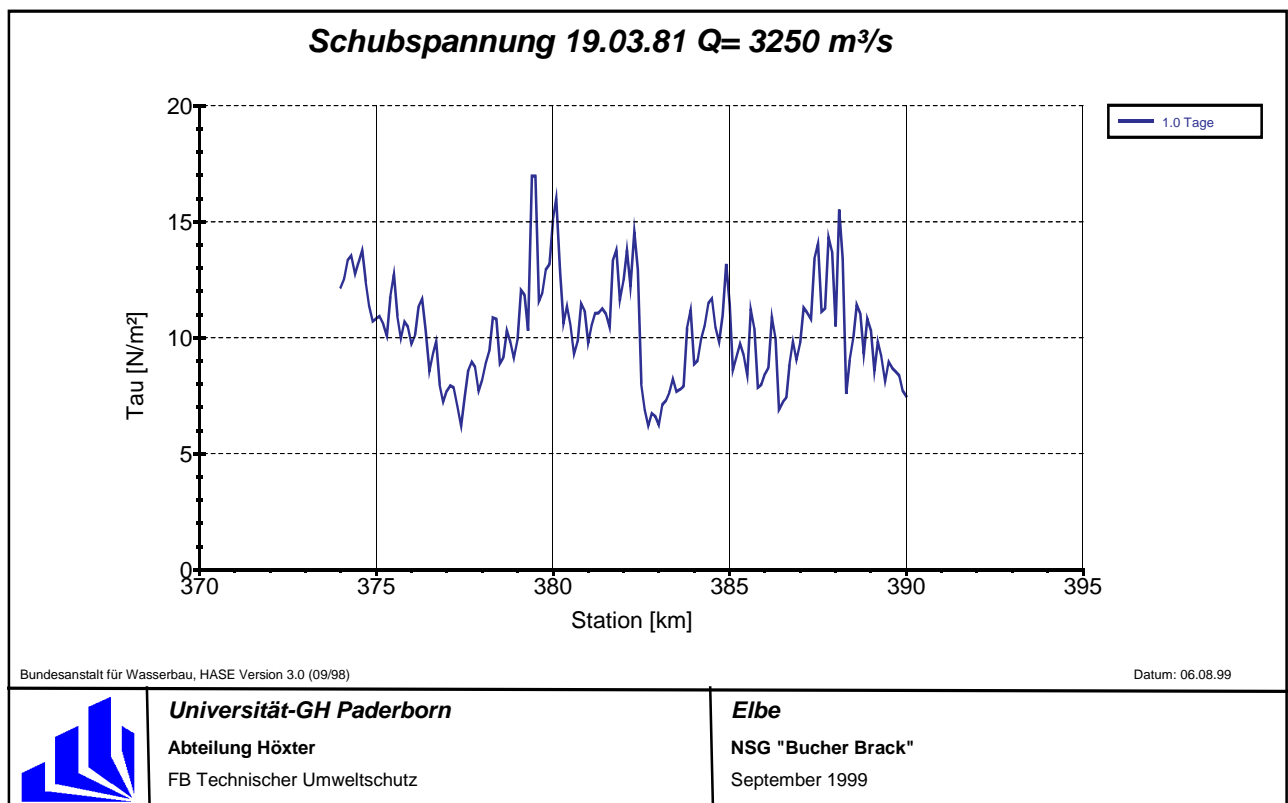
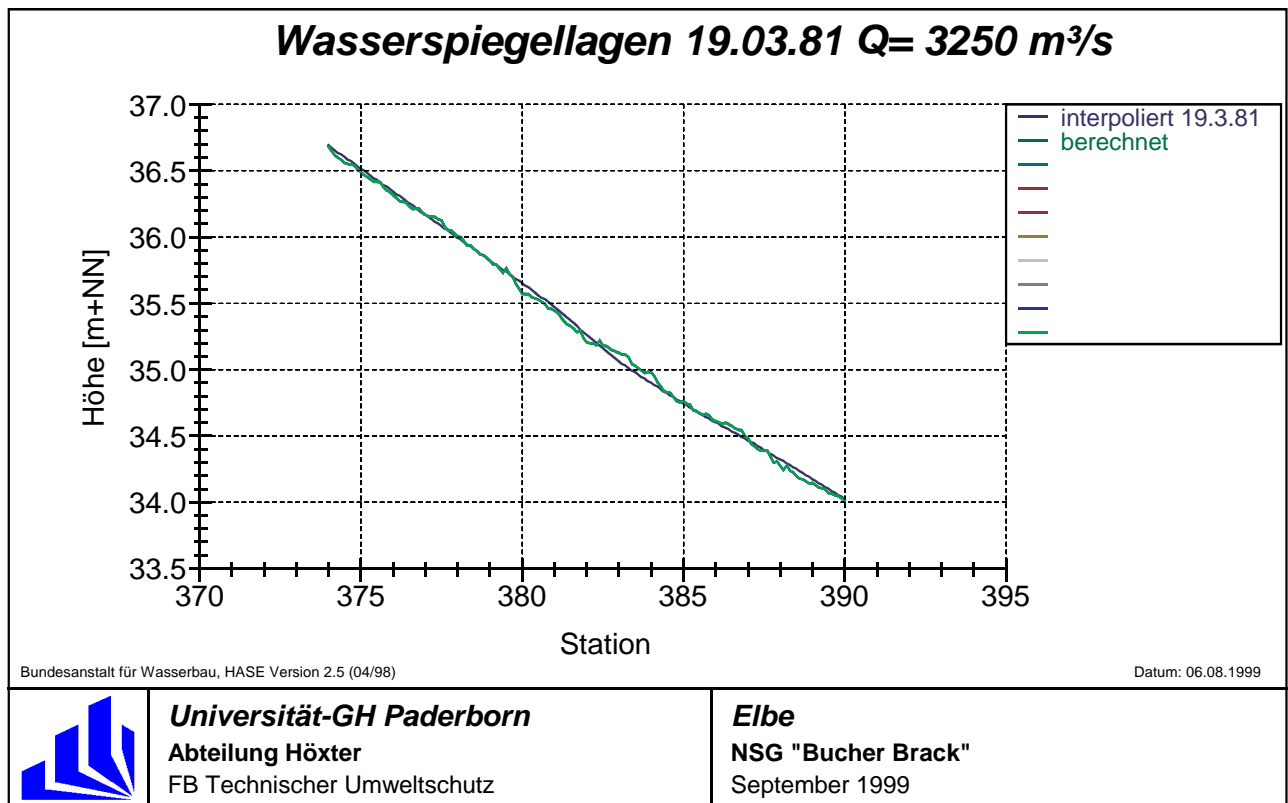


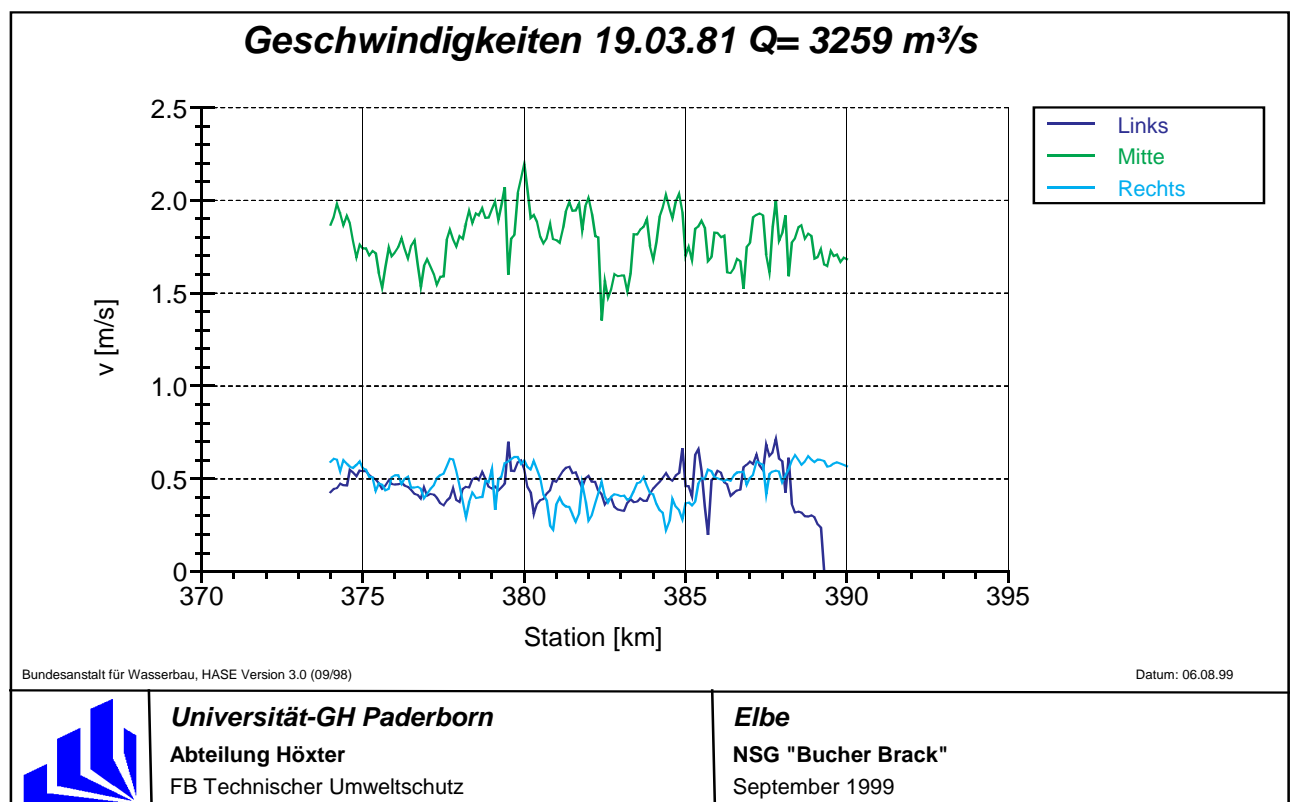
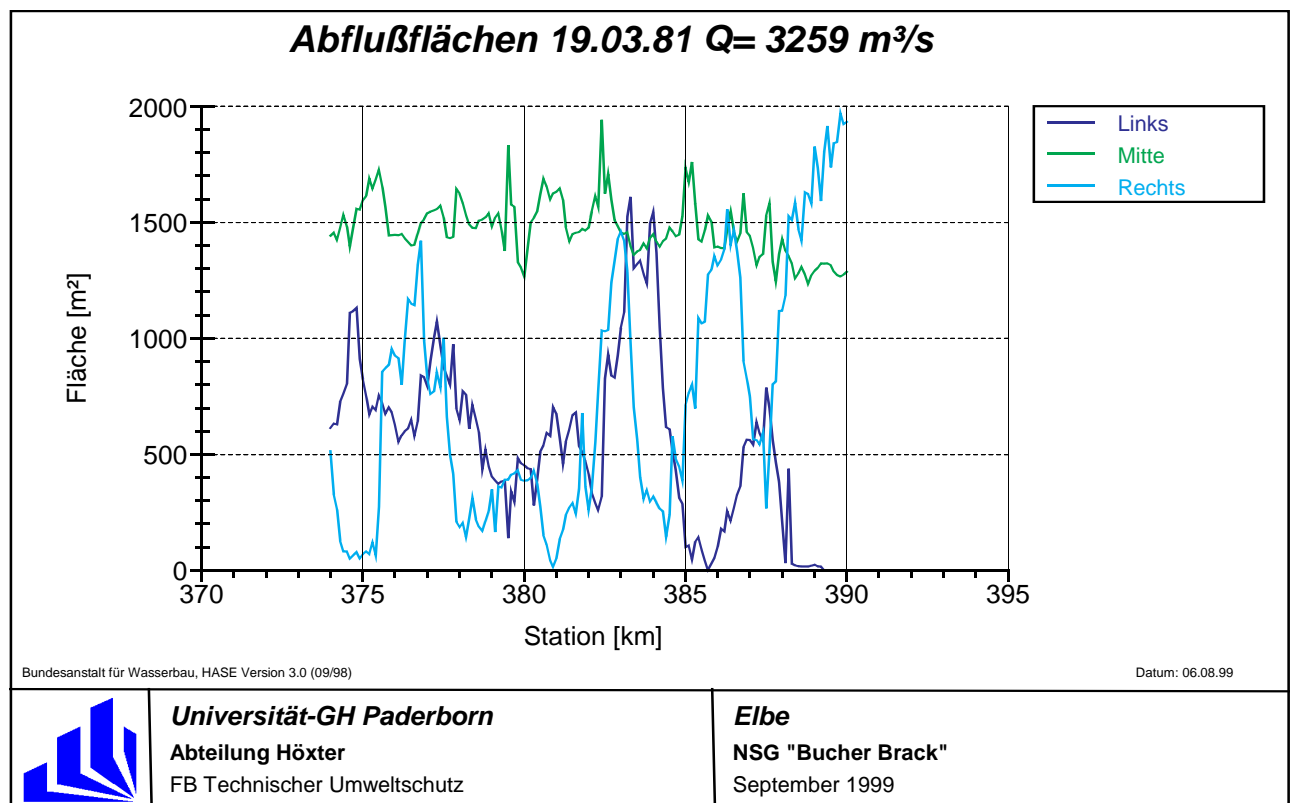


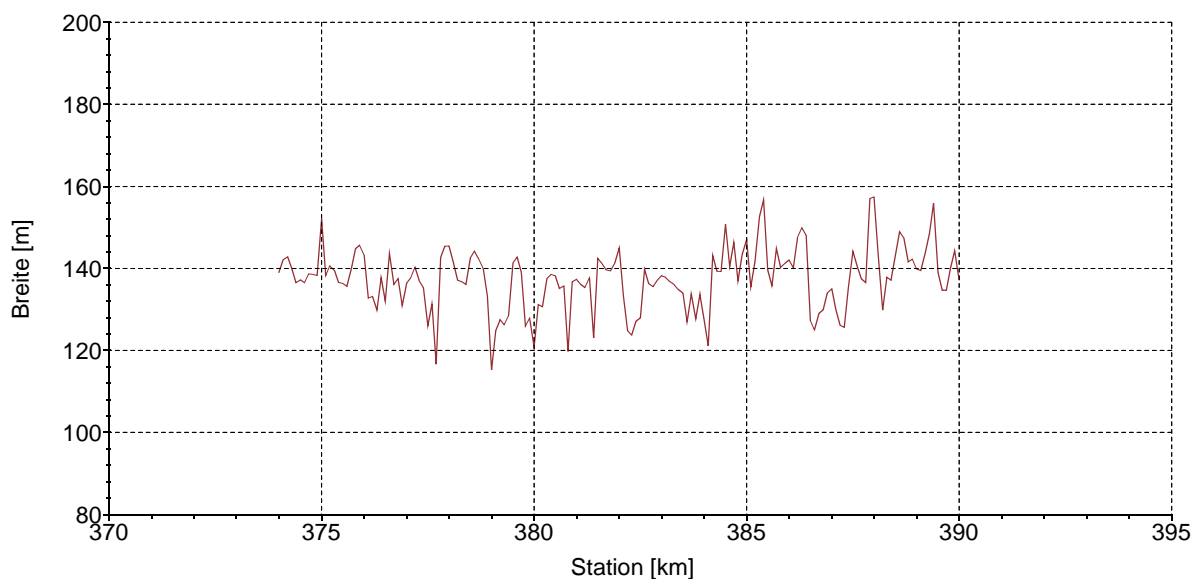










NSG "Bucher Brack" - Breite der beweglichen Sohle

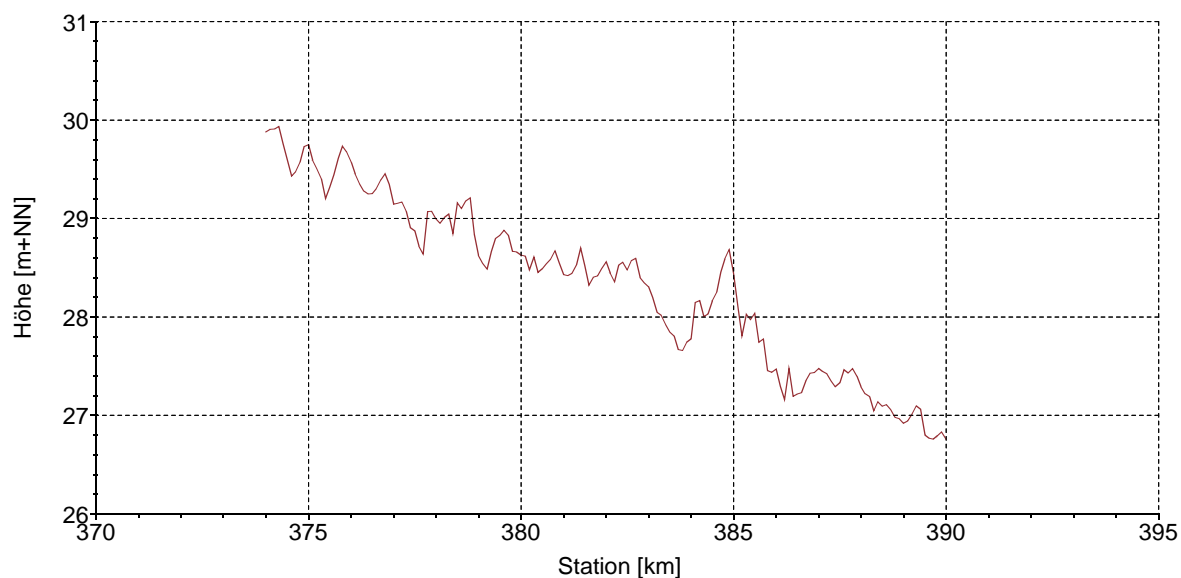
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

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NSG "Bucher Brack" - Mittlere Höhe der beweglichen Sohle

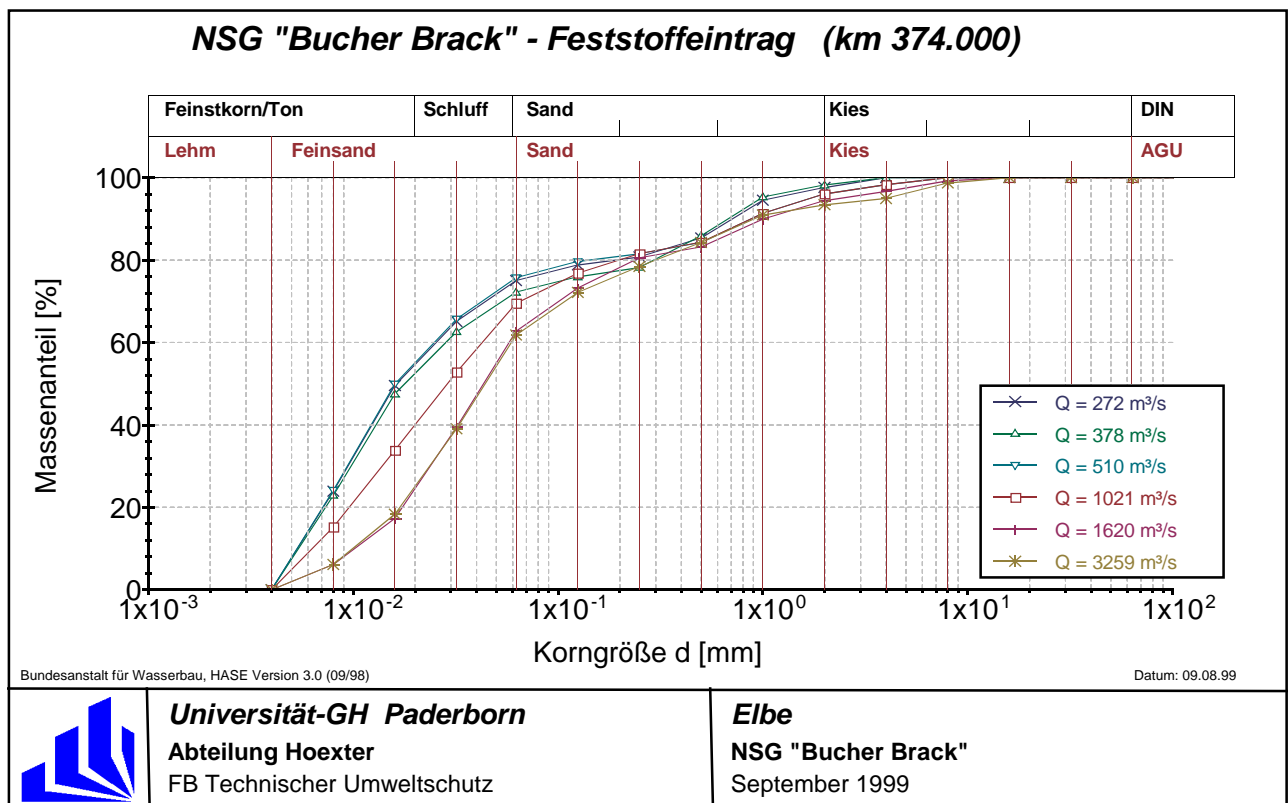
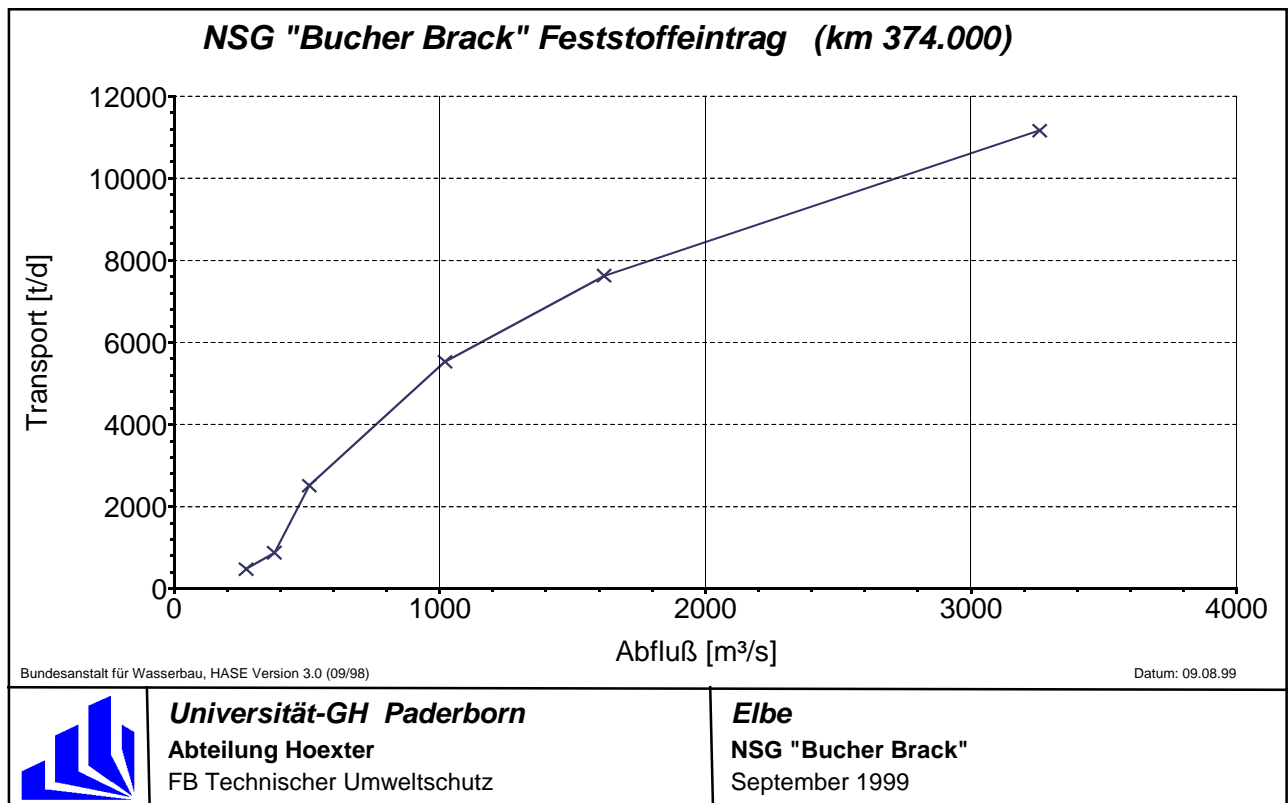
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

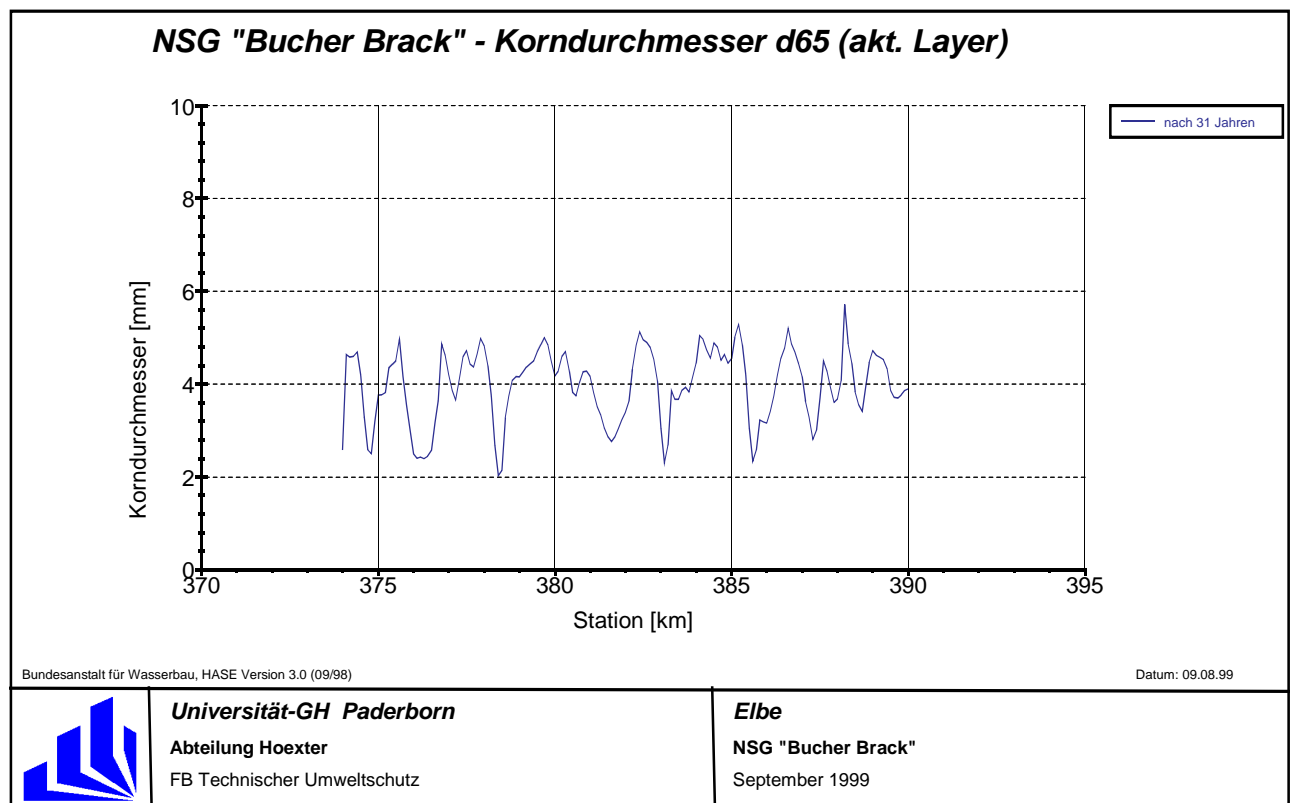
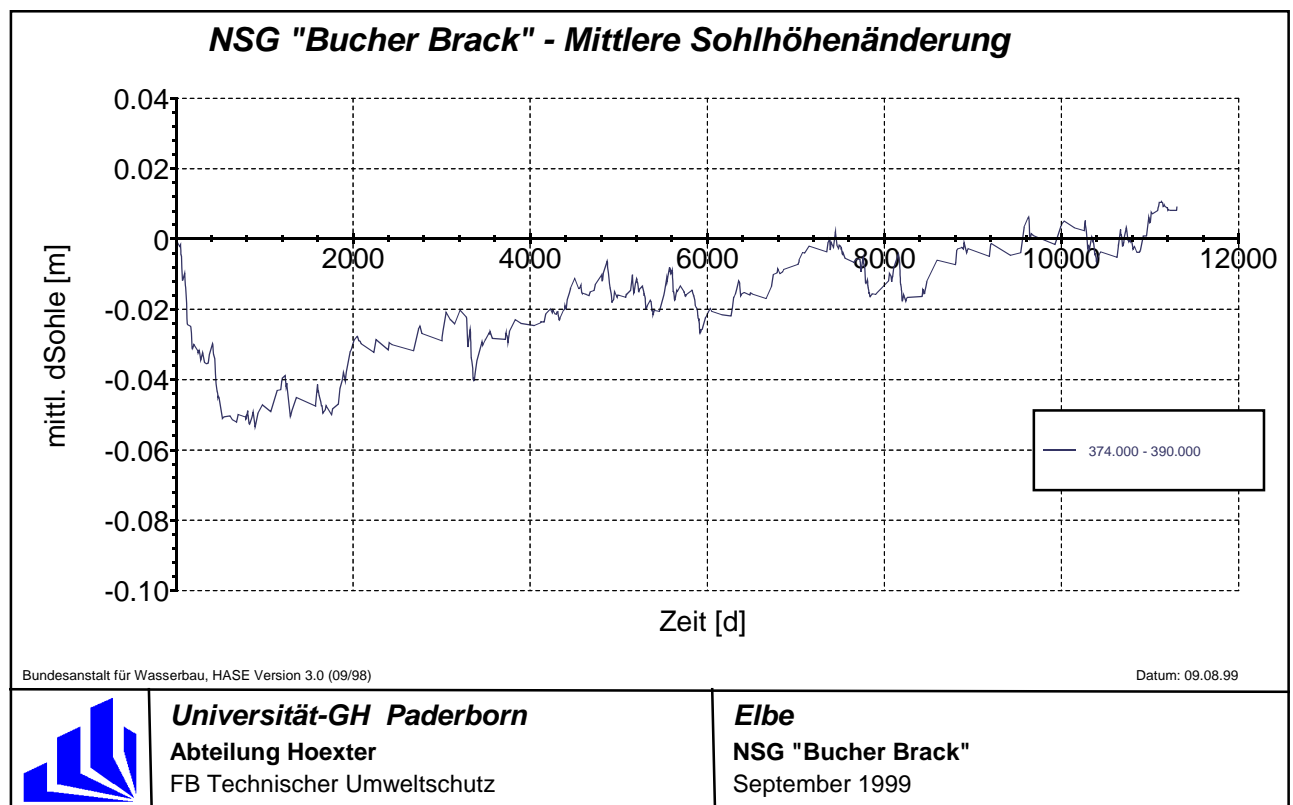
Datum: 09.08.99

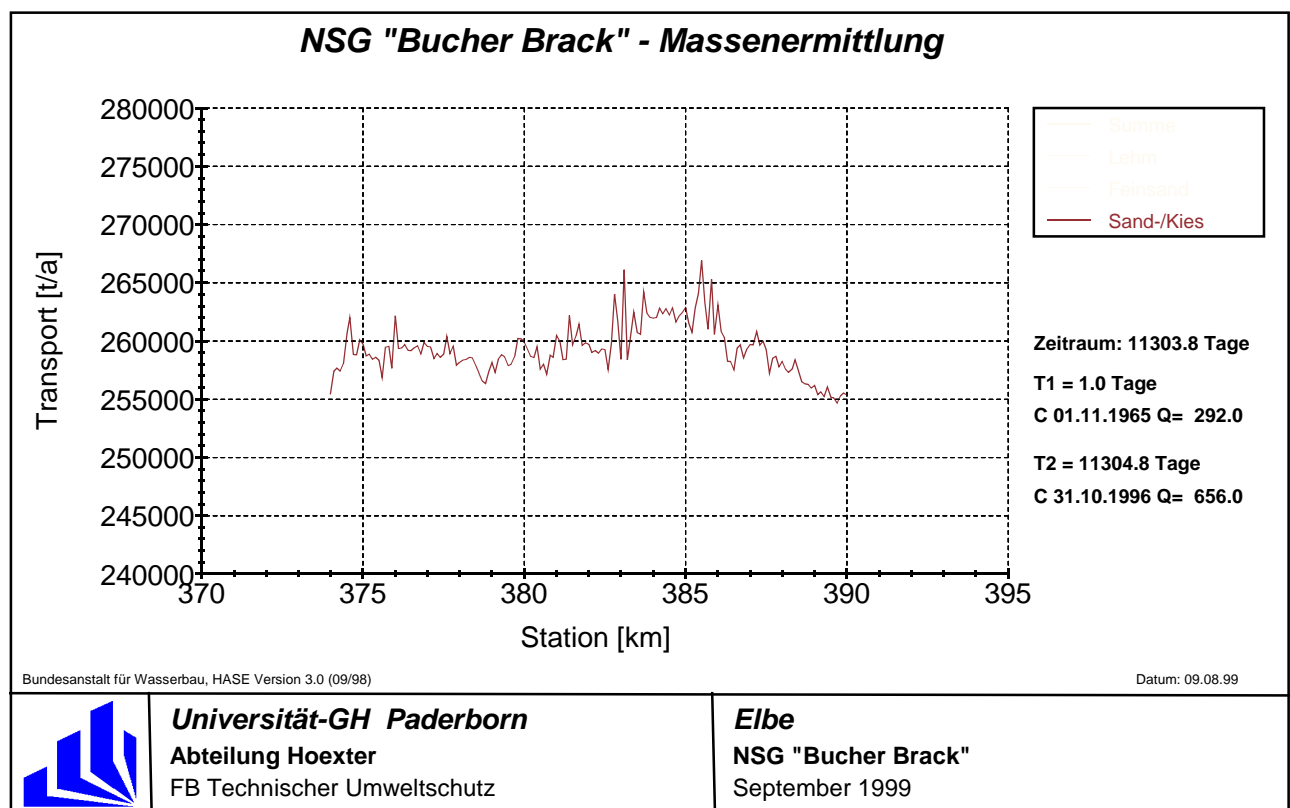
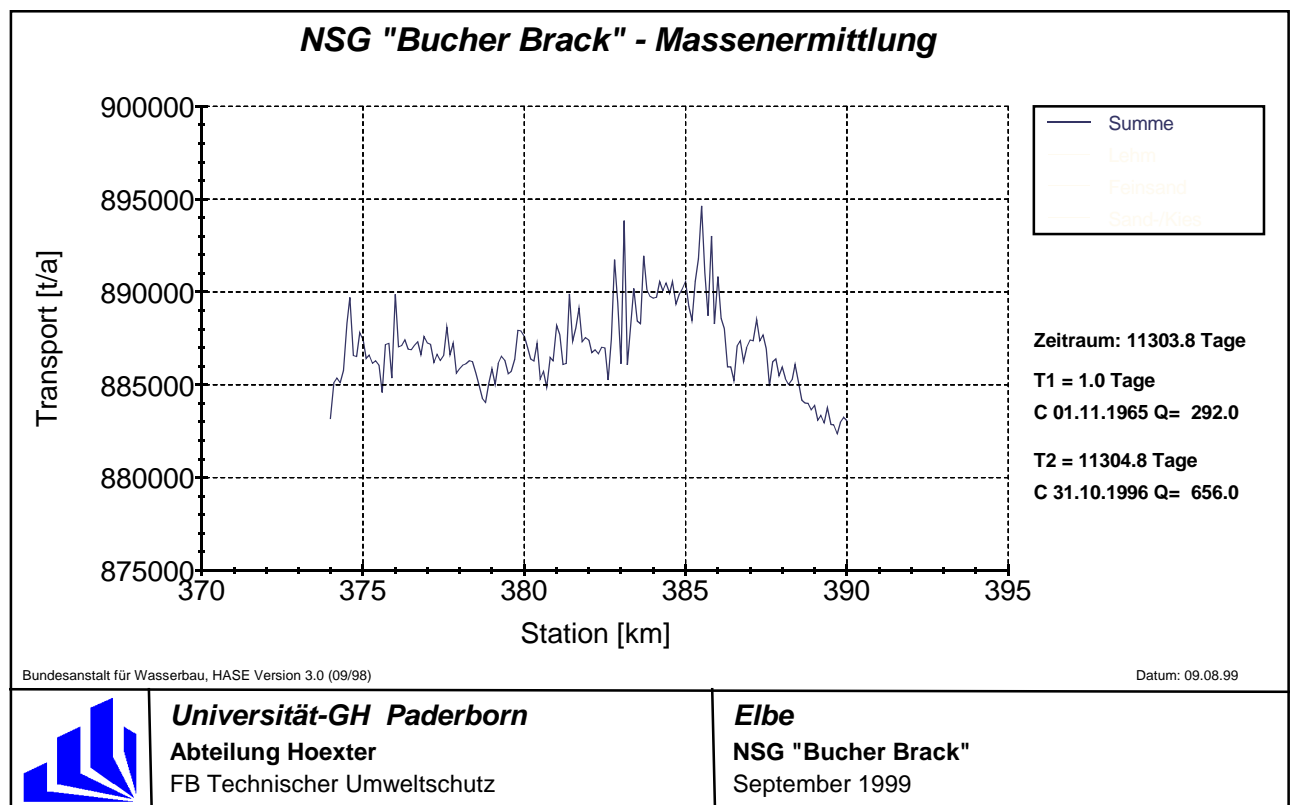


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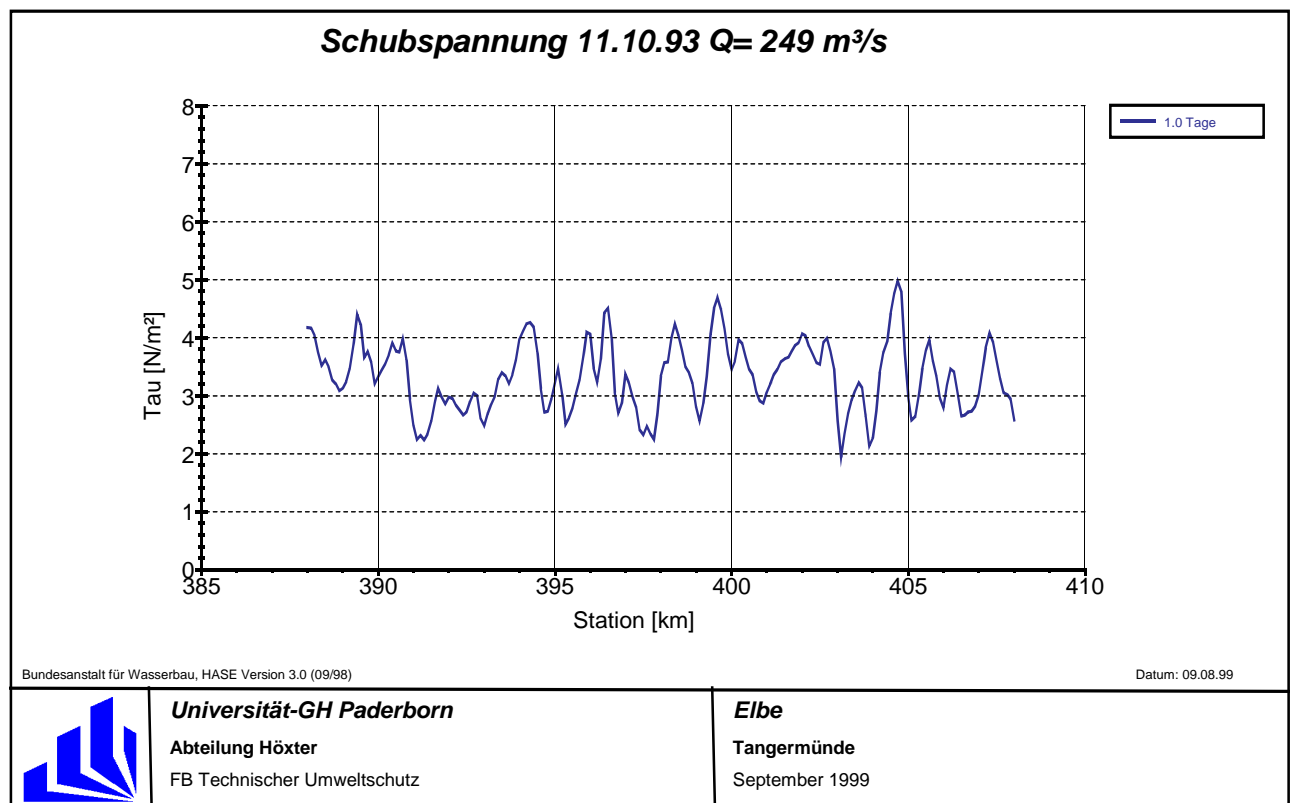
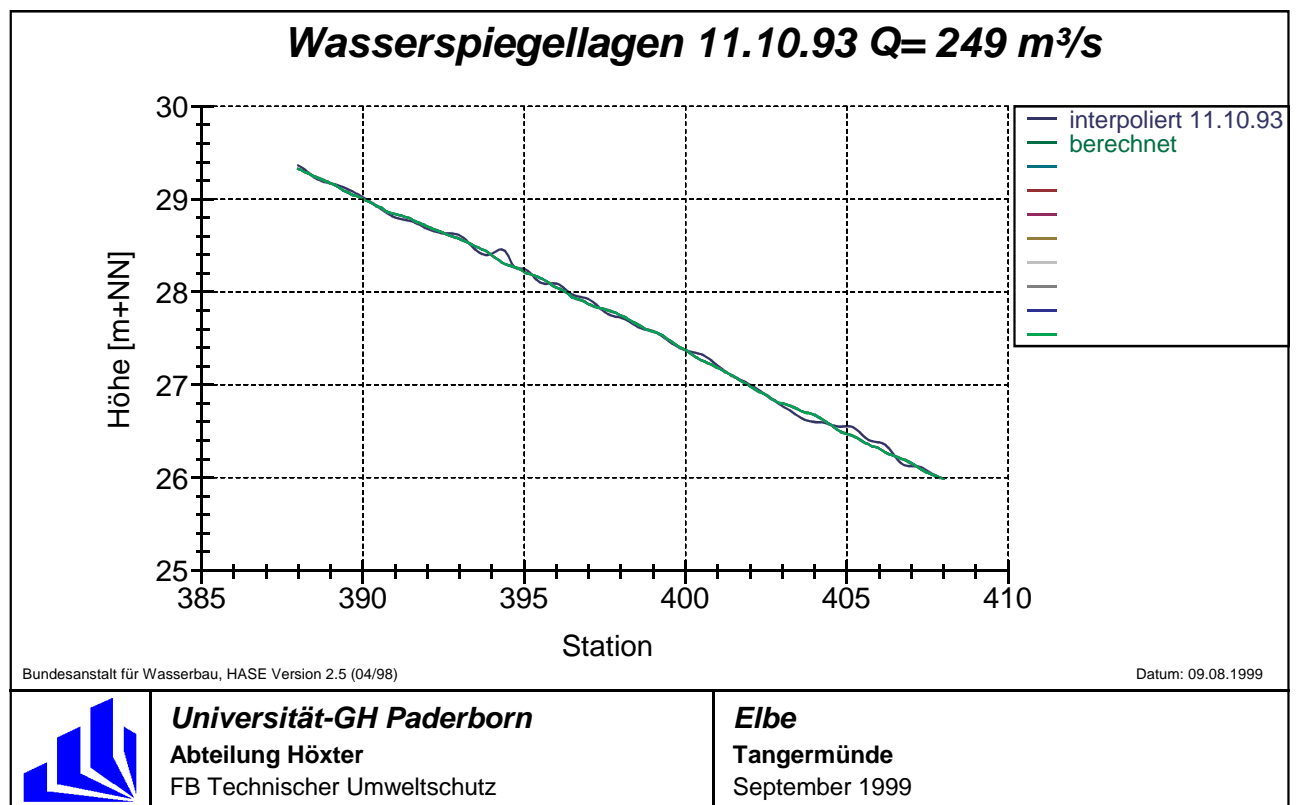
Anlage VI

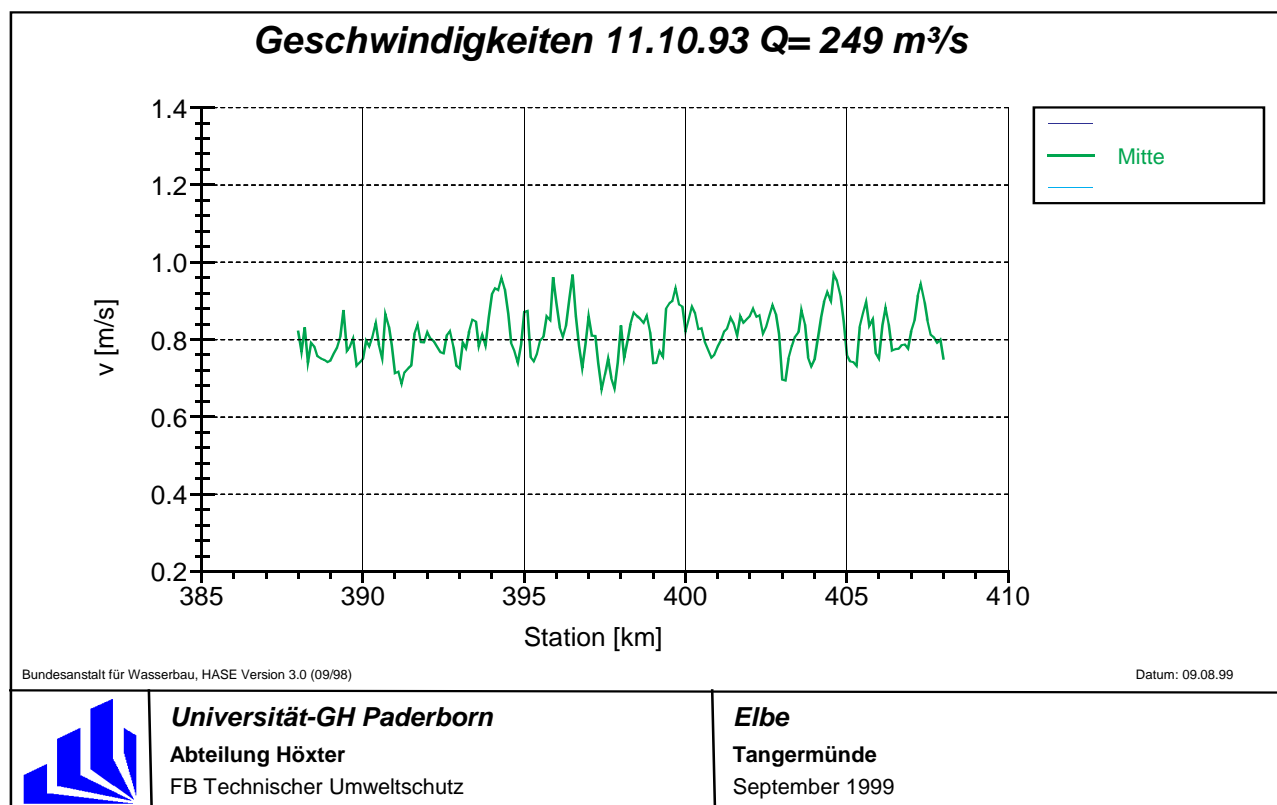
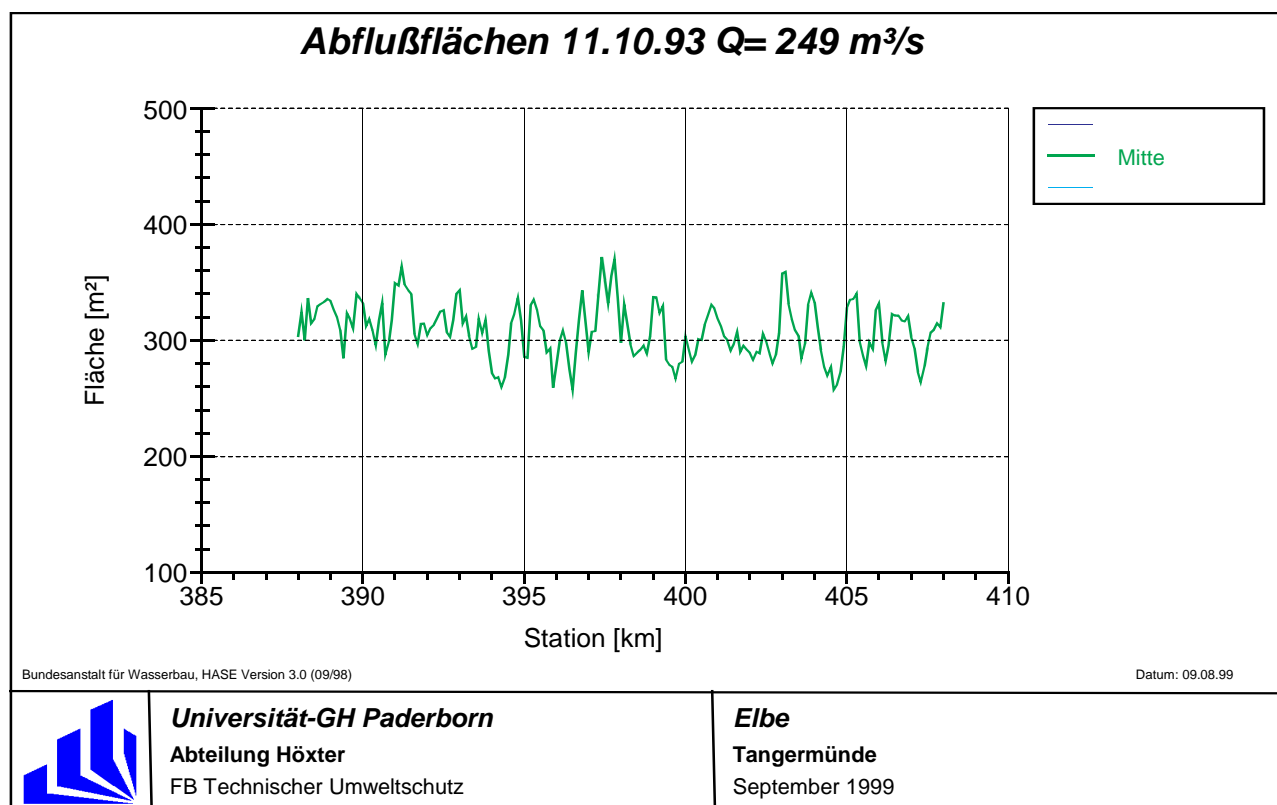
Berechnungsstrecke Tangermünde

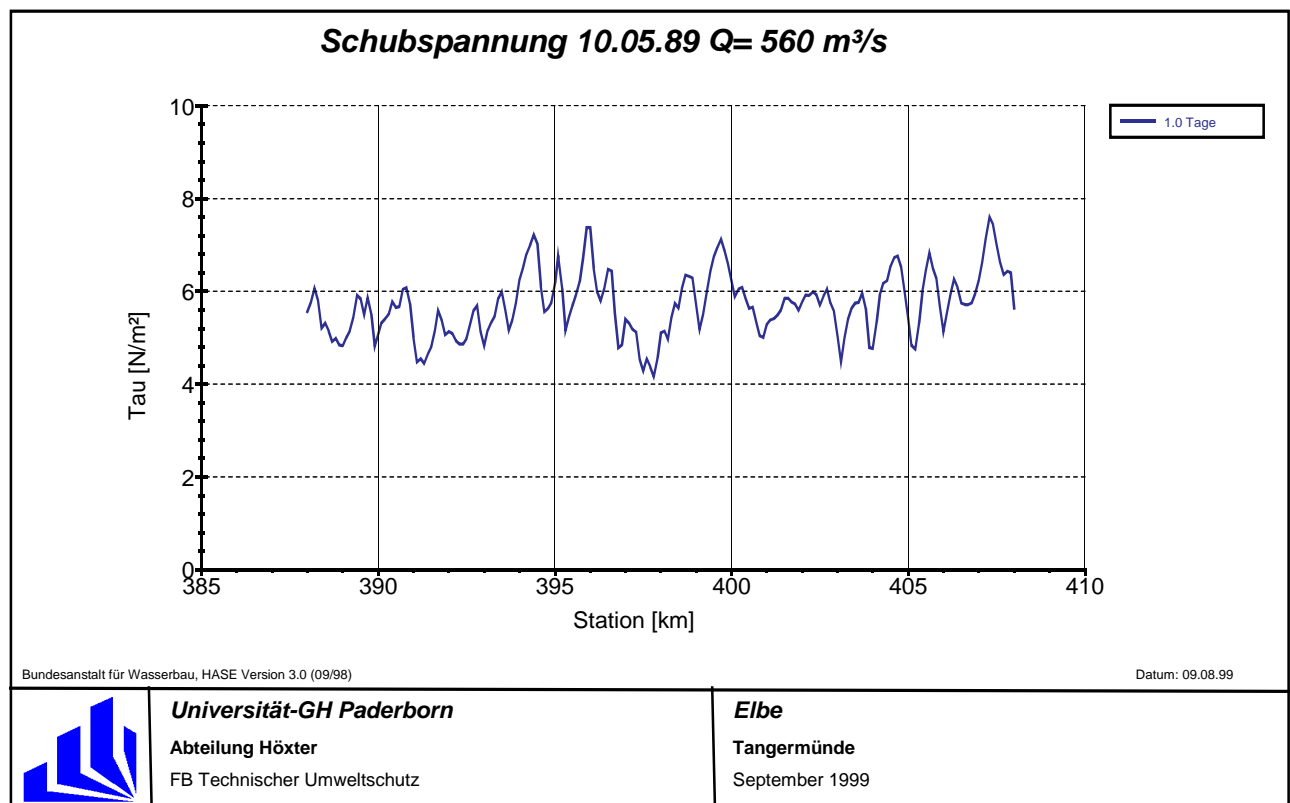
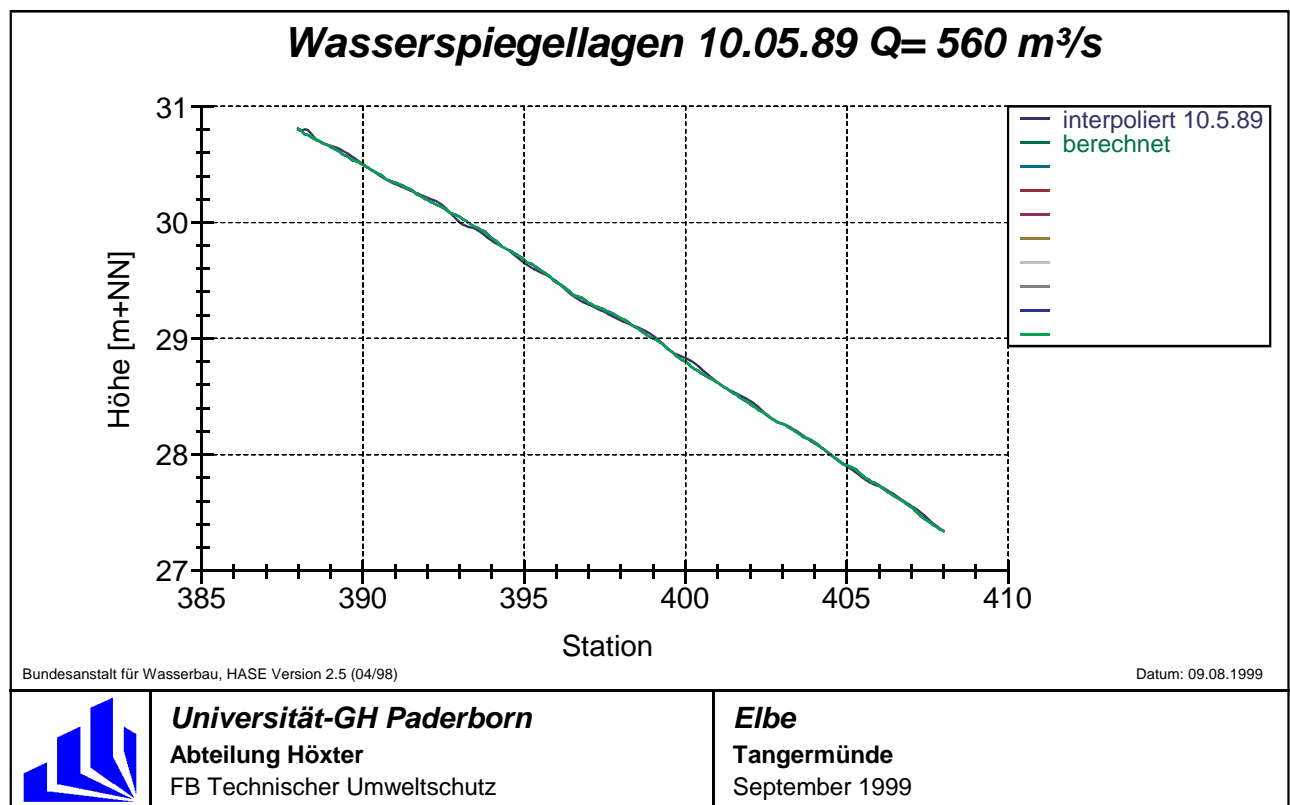
Anlage VI-1: Lagepläne (nur gedruckte Version)

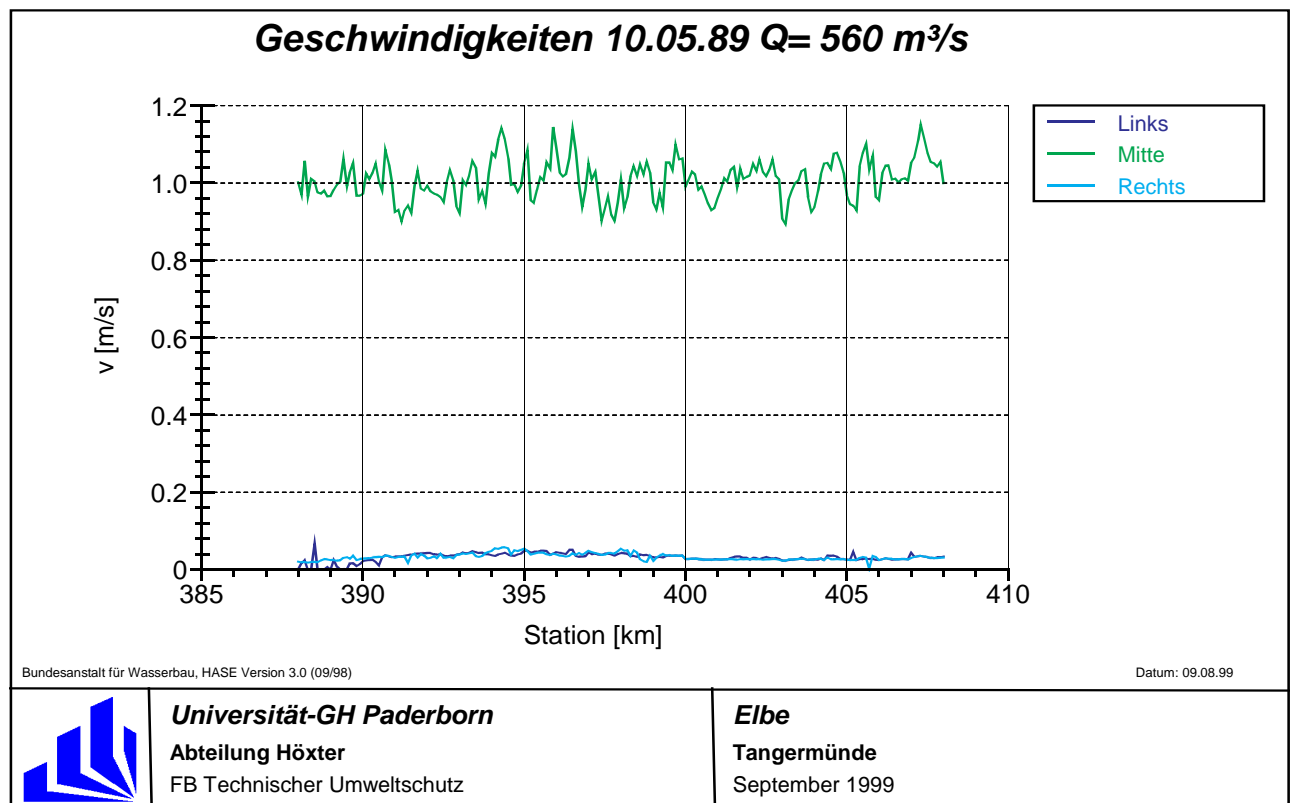
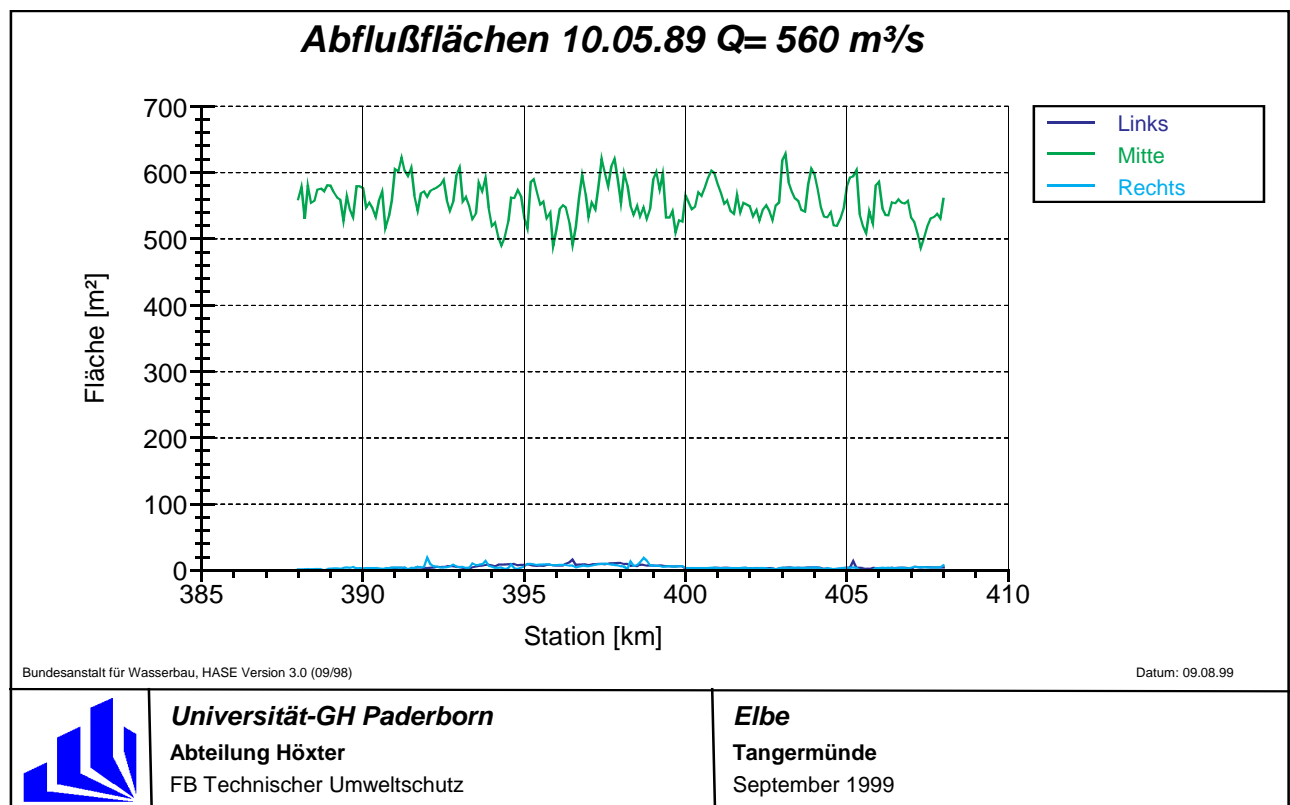
Anlage VI-2: Hydraulisches Modell

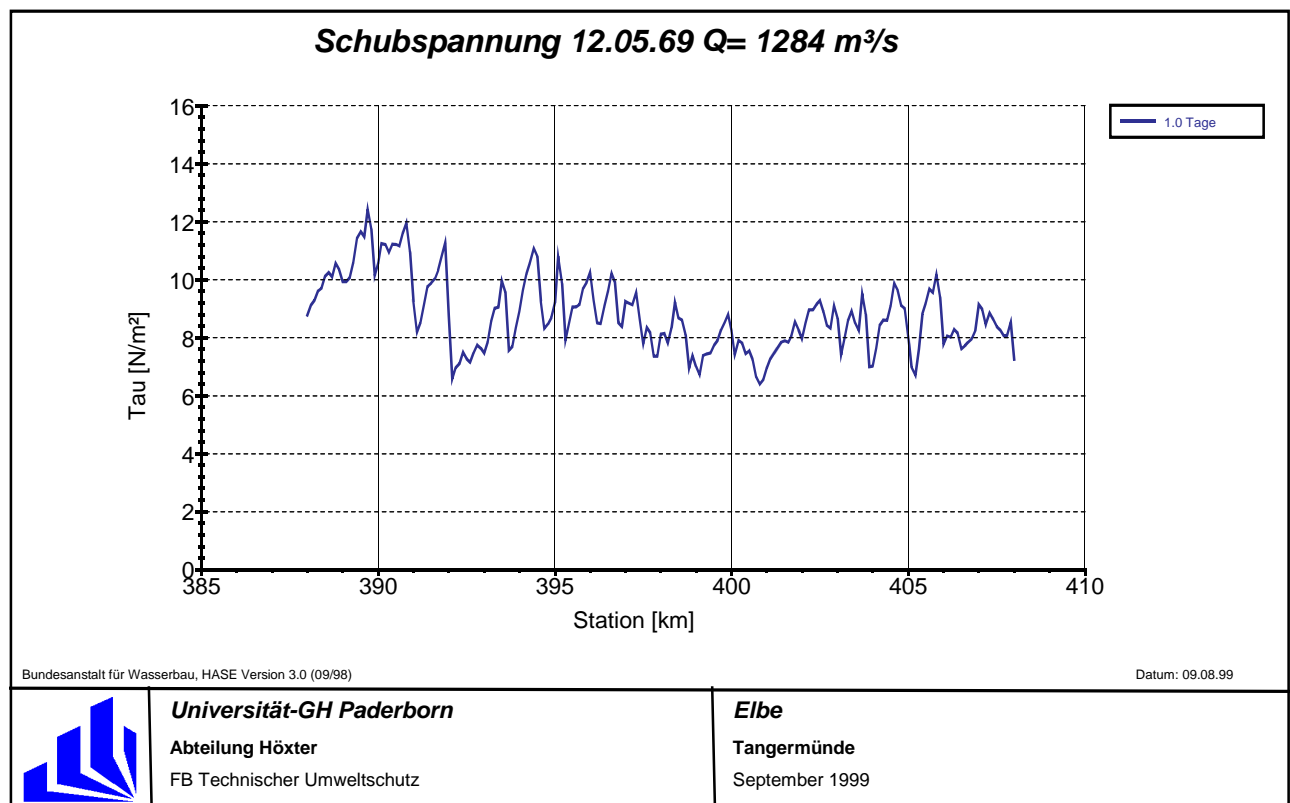
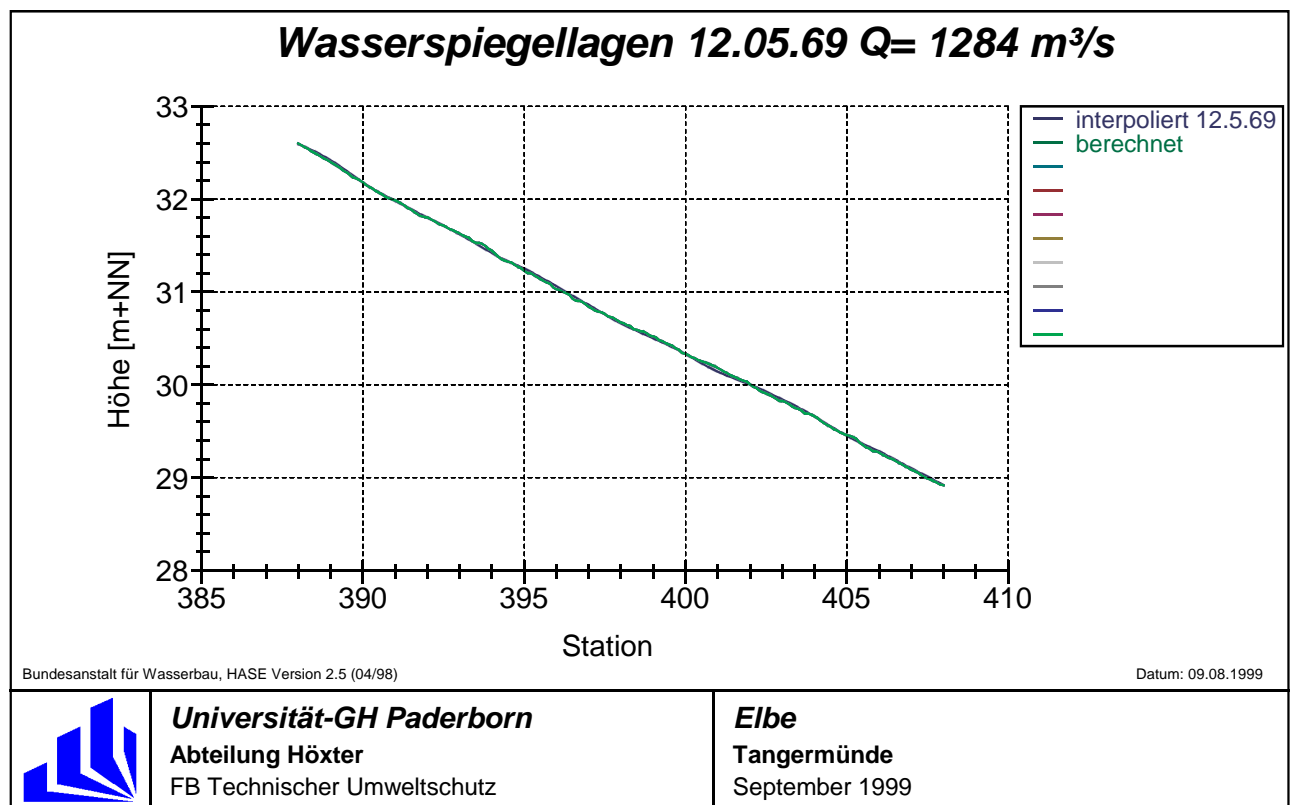
Anlage VI-3: Sedimentologisches Modell

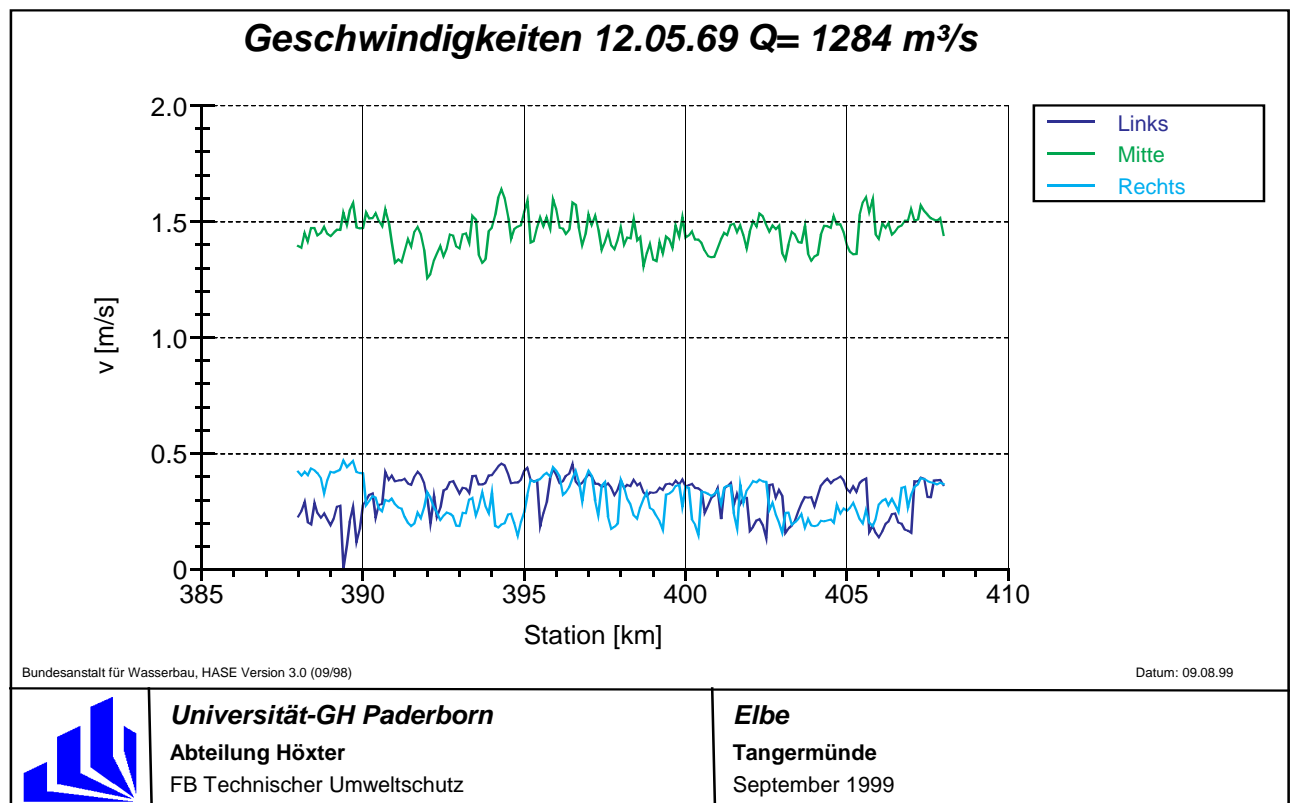
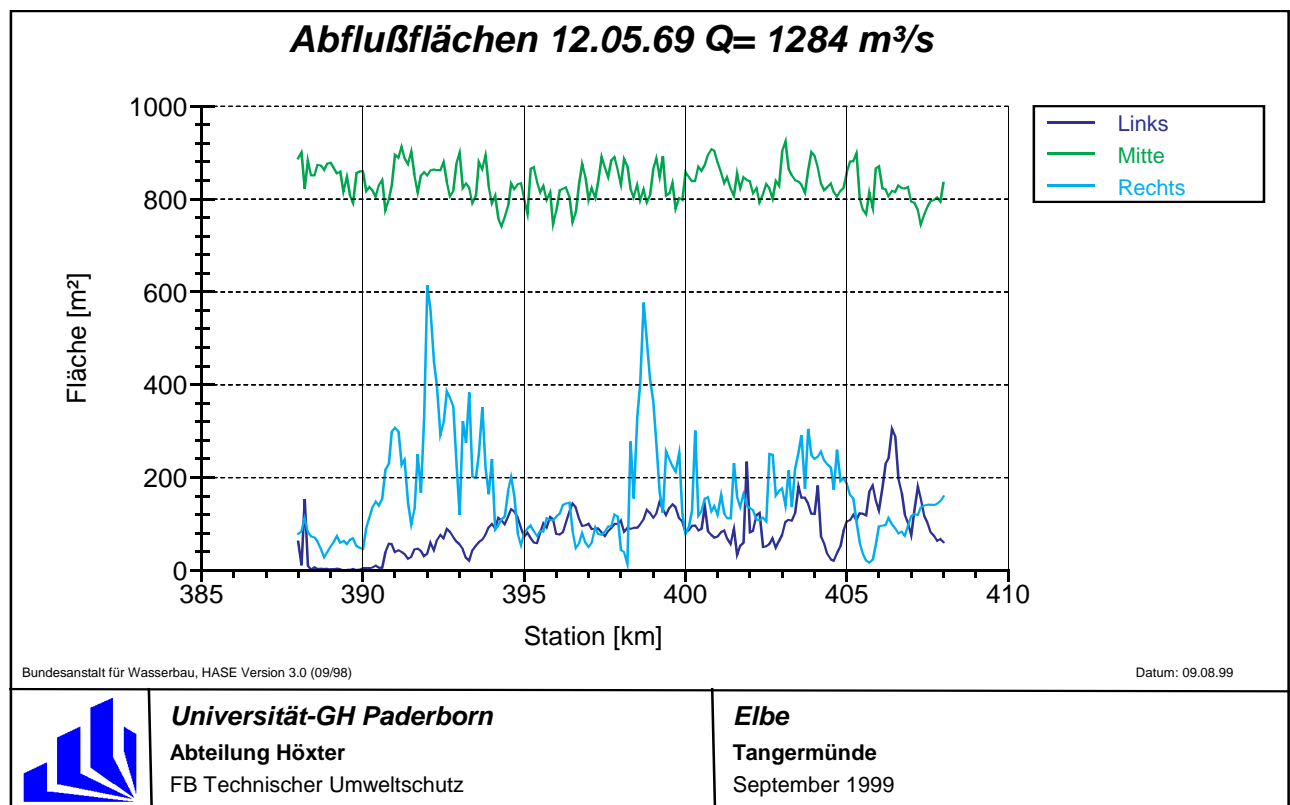


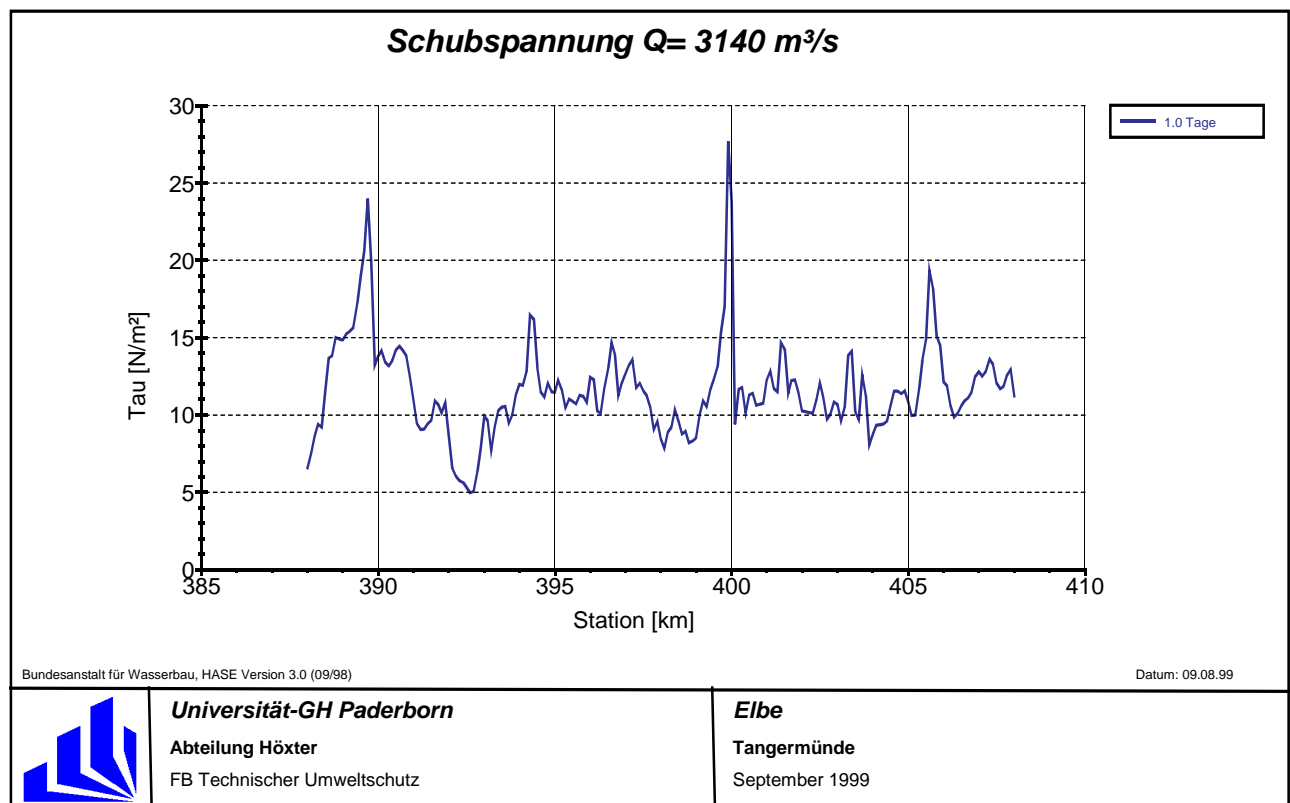
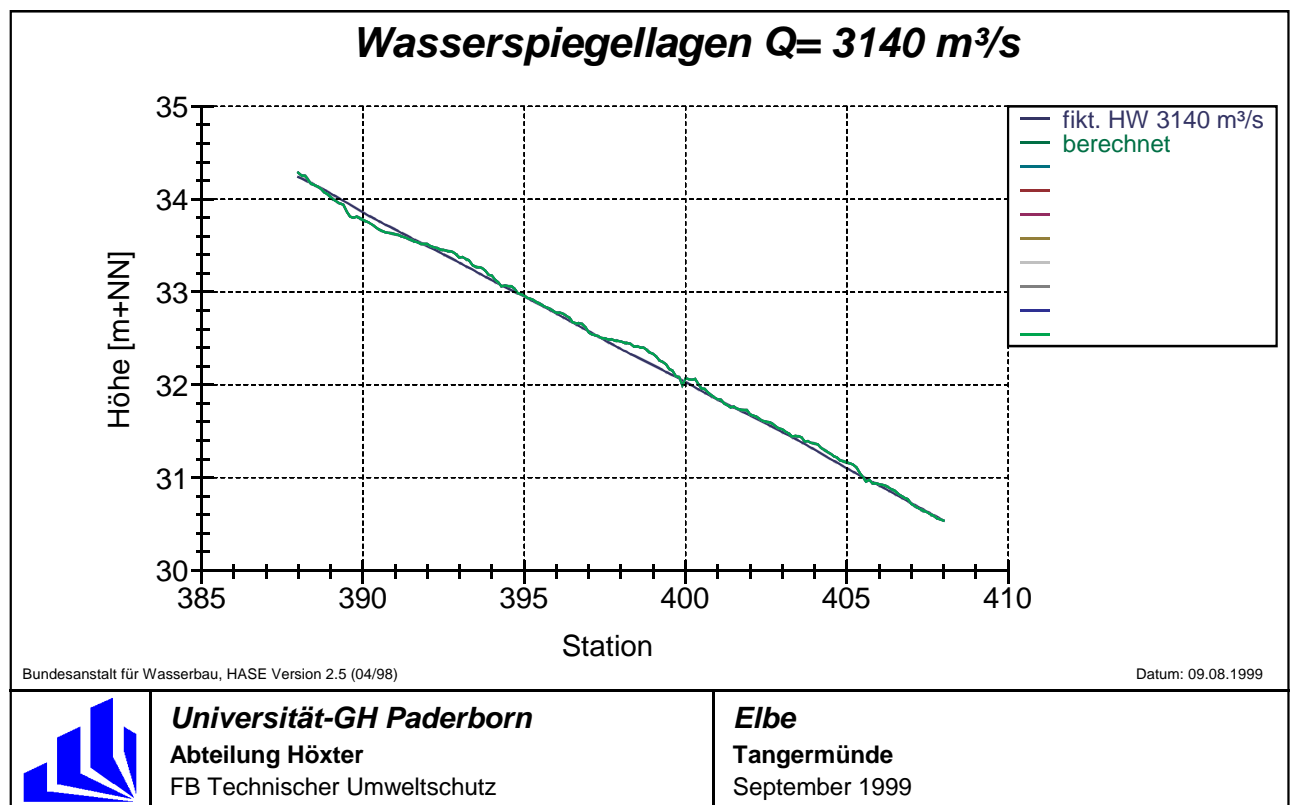


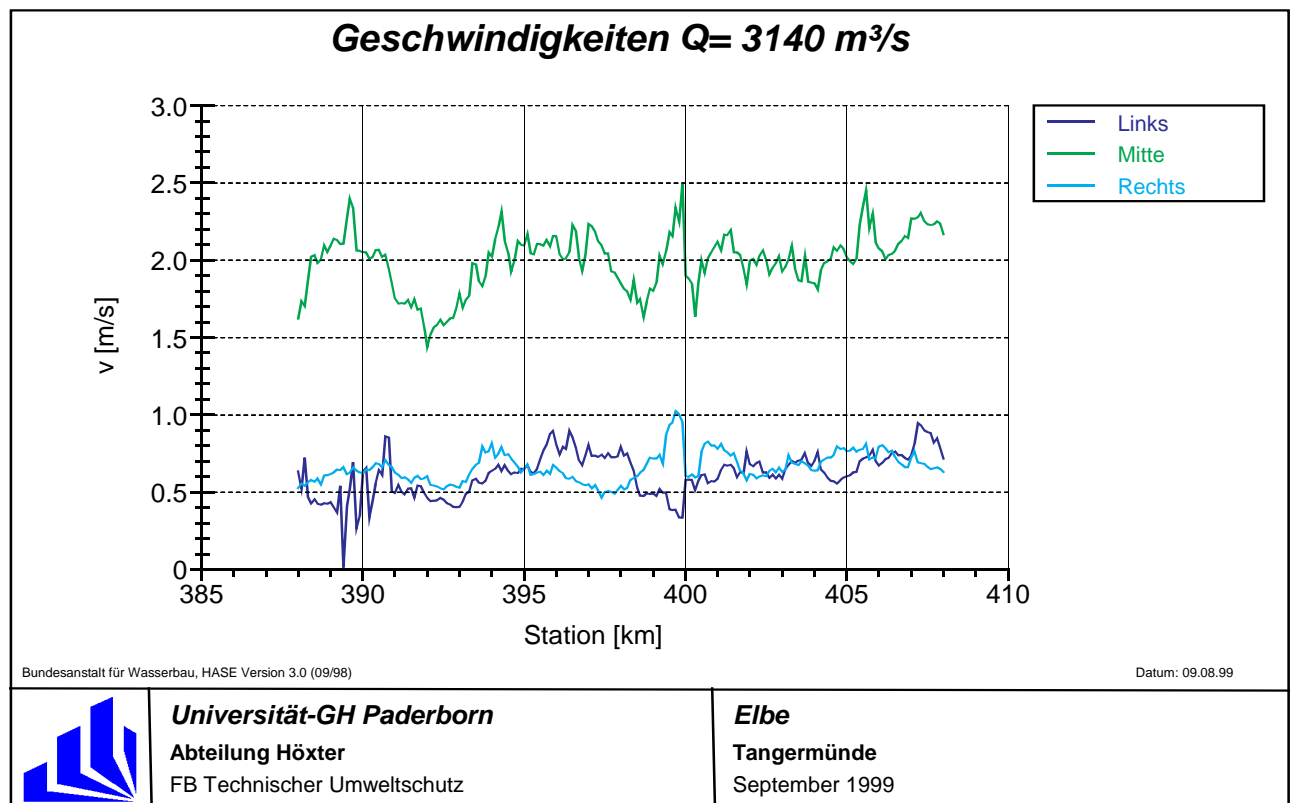
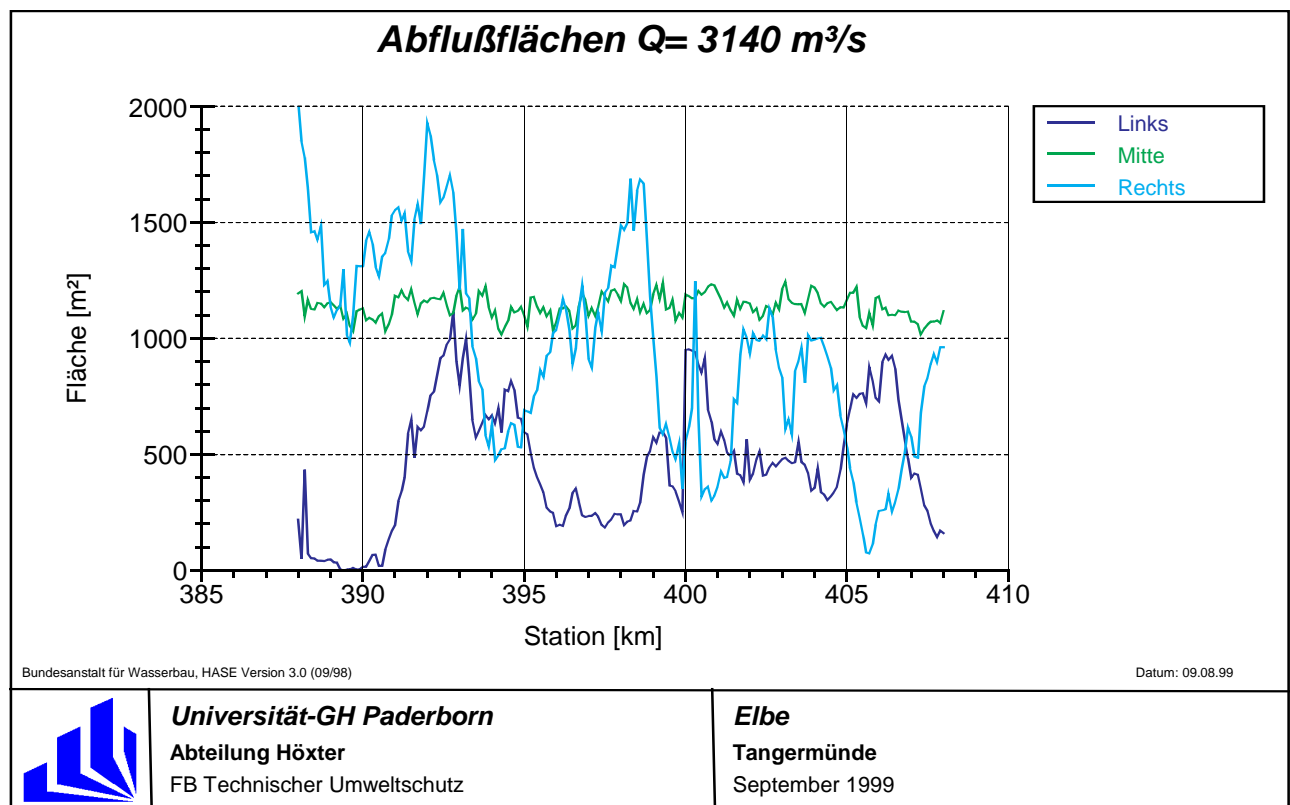


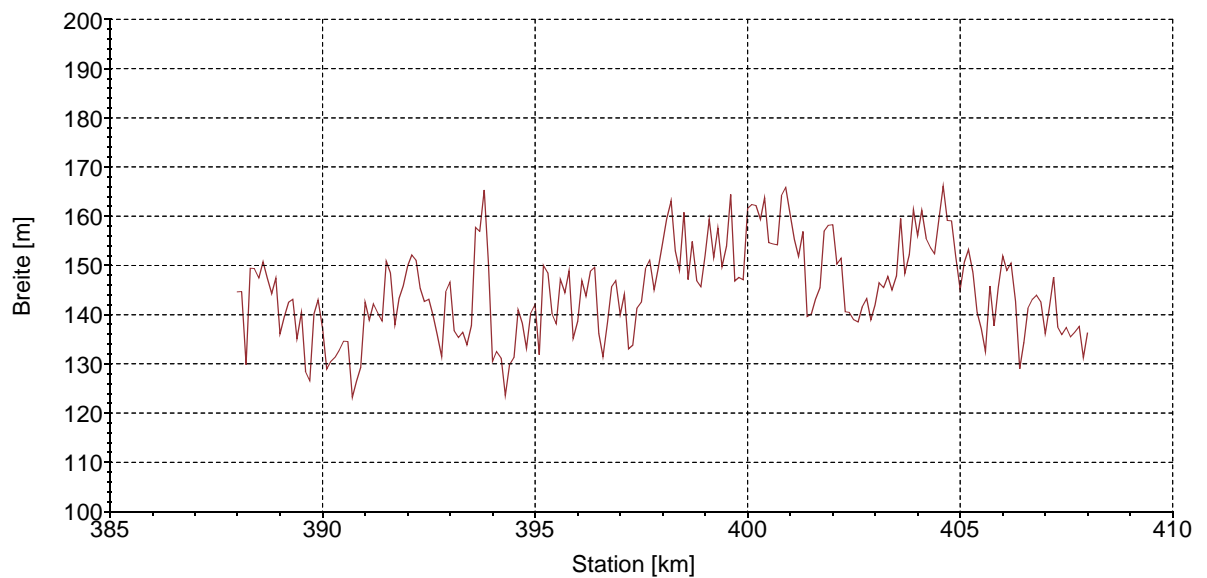










Tangermünde - Breite der beweglichen Sohle

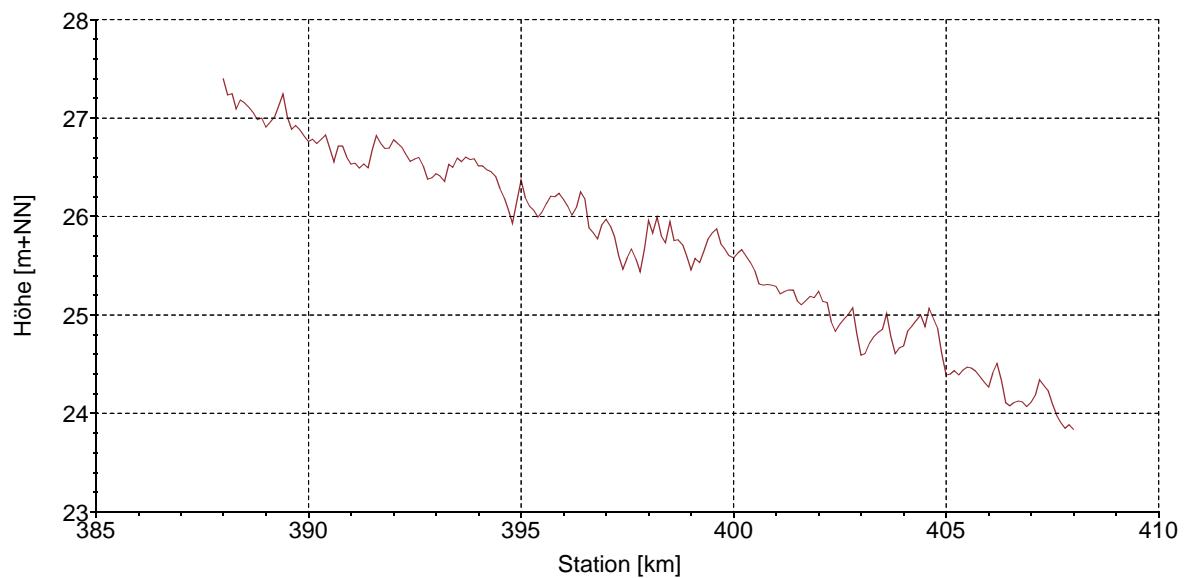
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

Datum: 10.08.99



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Elbe
Tangermünde
September 1999

Tangermünde - Mittlere Höhe der beweglichen Sohle

Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

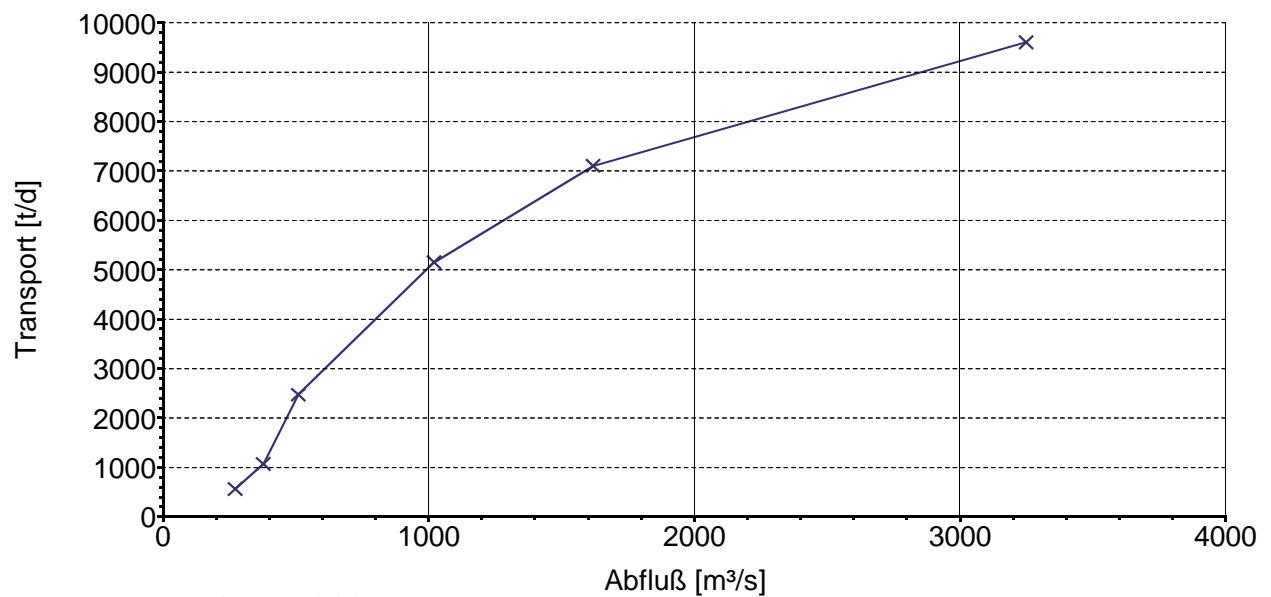
Datum: 10.08.99



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Elbe
Tangermünde
September 1999

Tangermünde Feststoffeintrag (km 388.000)



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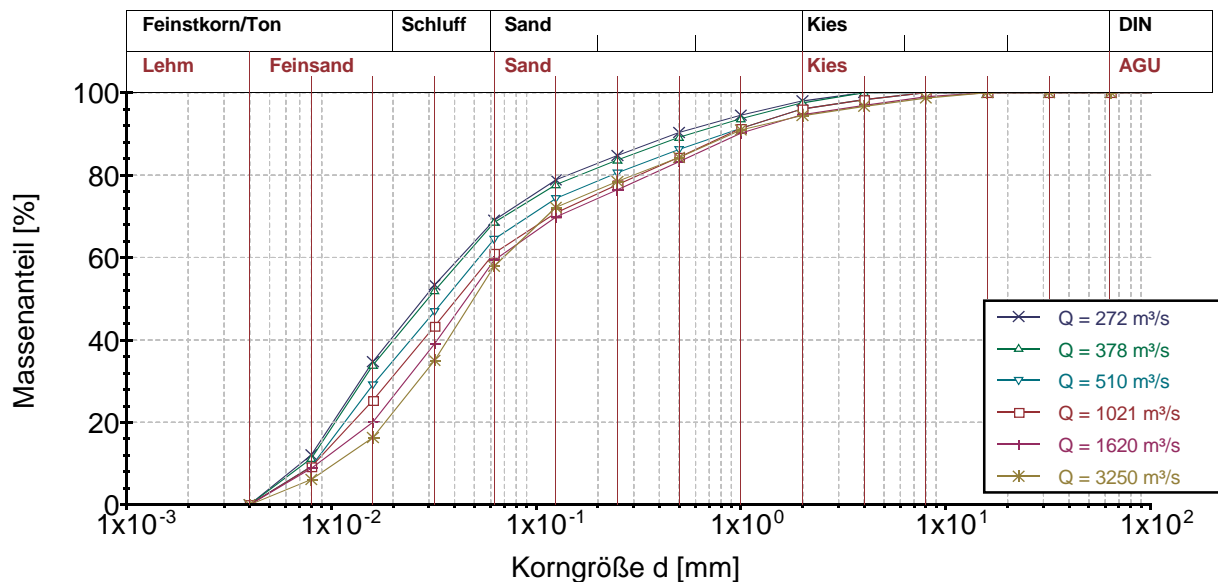
Datum: 10.08.99



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Abteilung Höxter
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Elbe
Tangermünde
September 1999

Tangermünde - Feststoffeintrag (km 388.000)



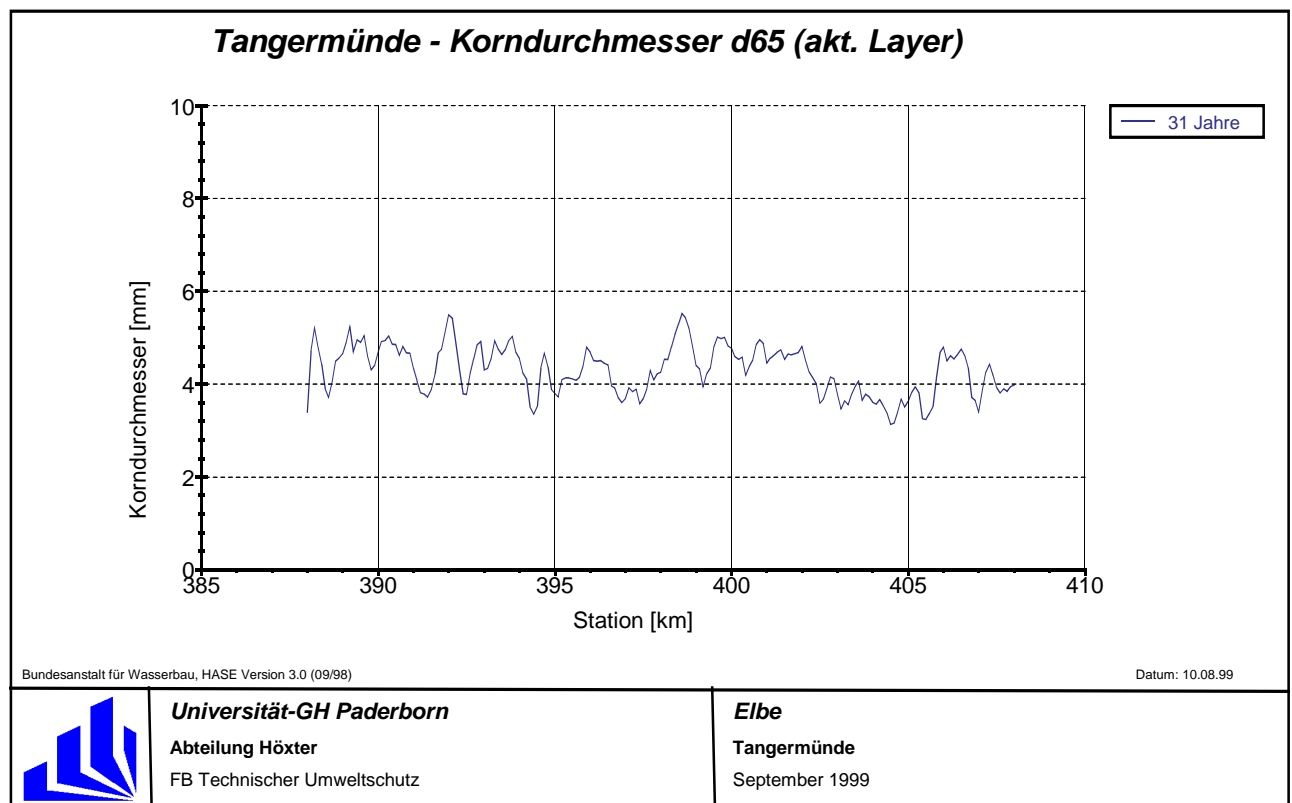
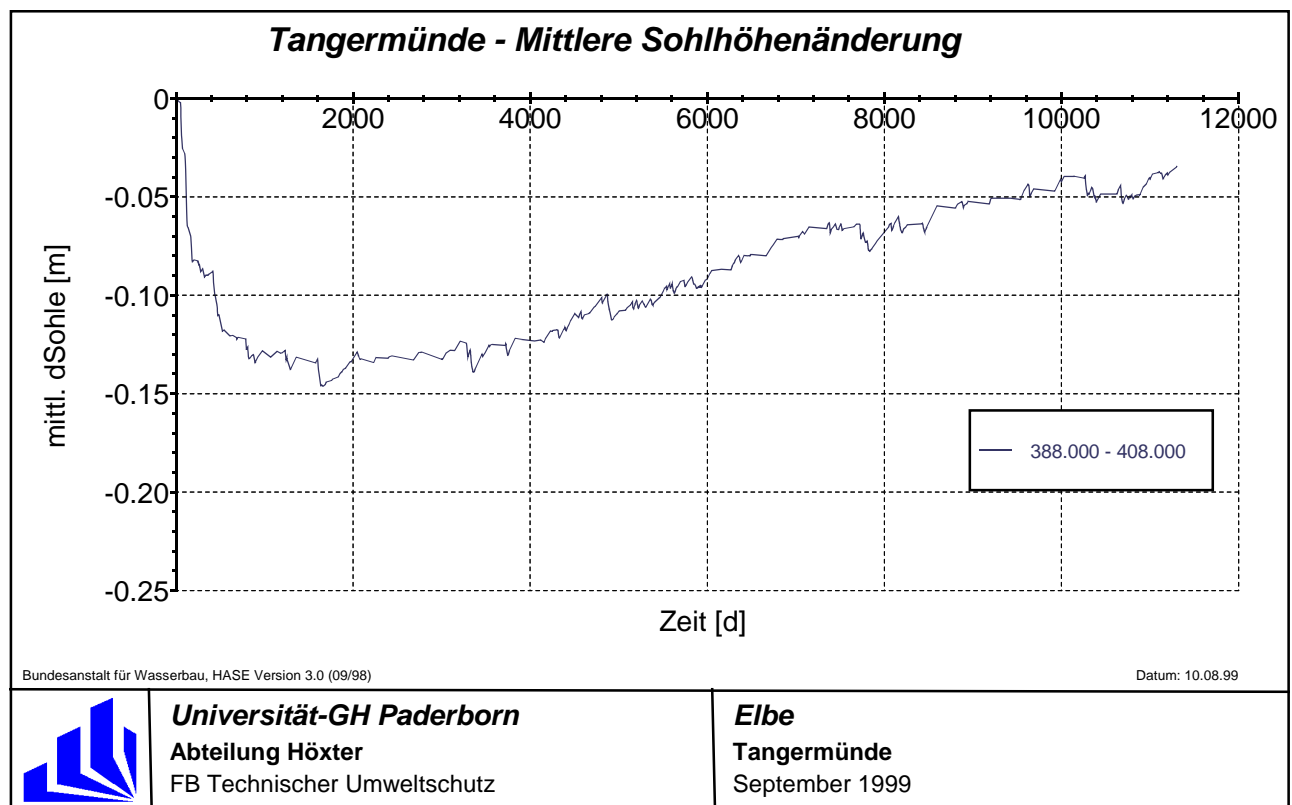
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

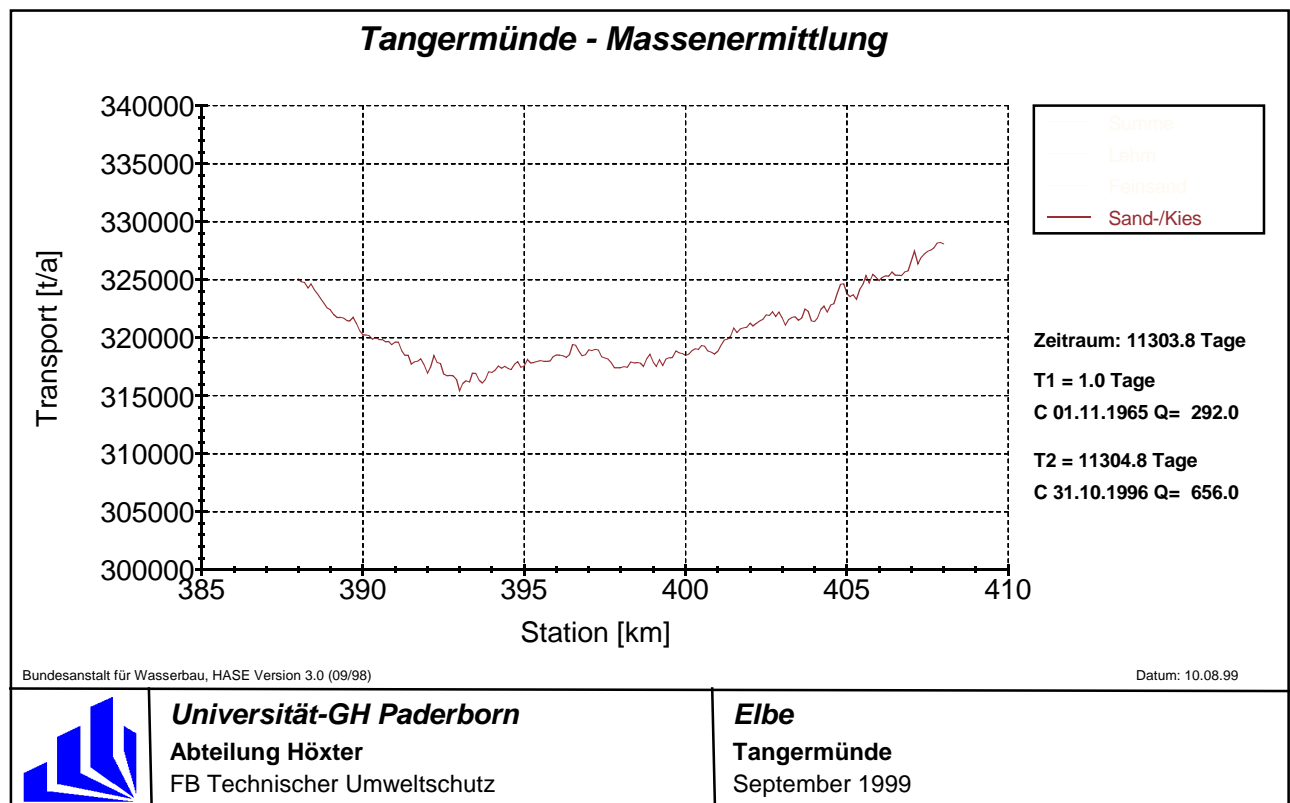
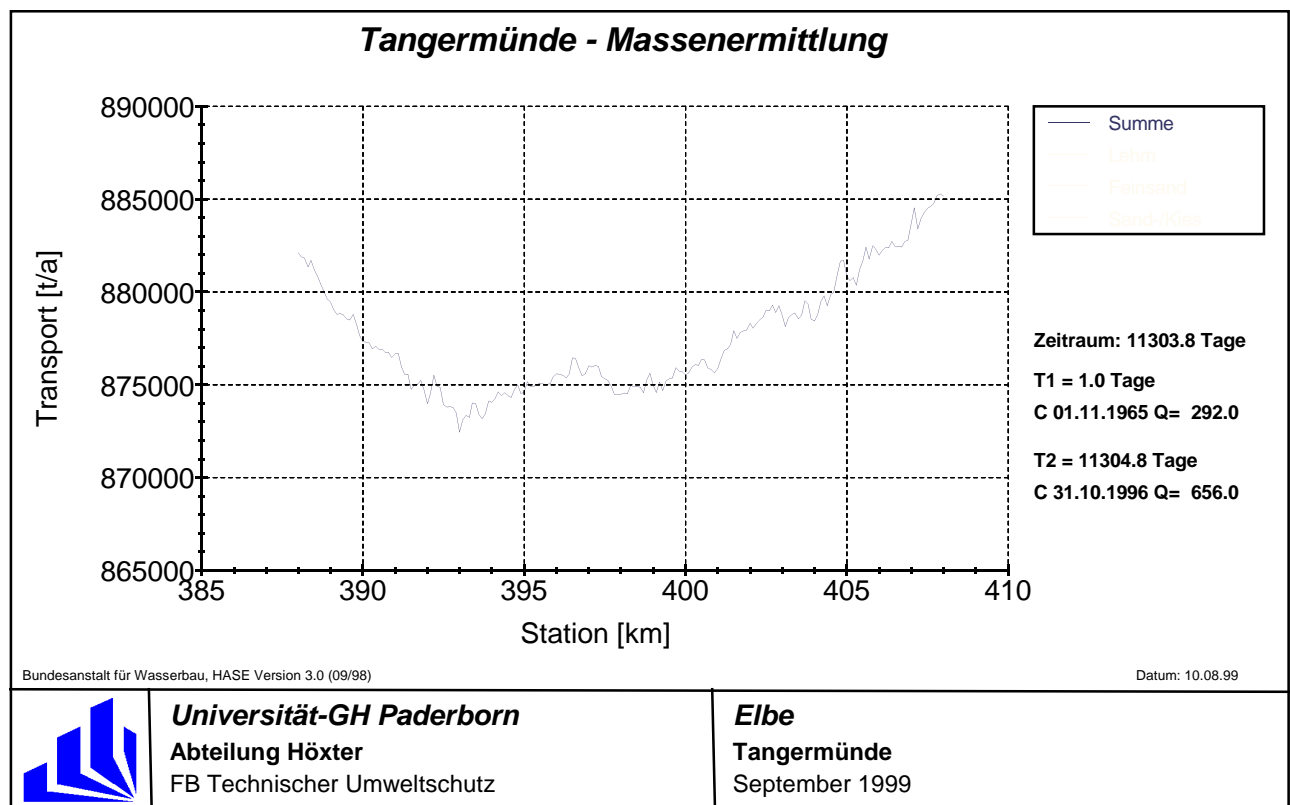
Datum: 10.08.99

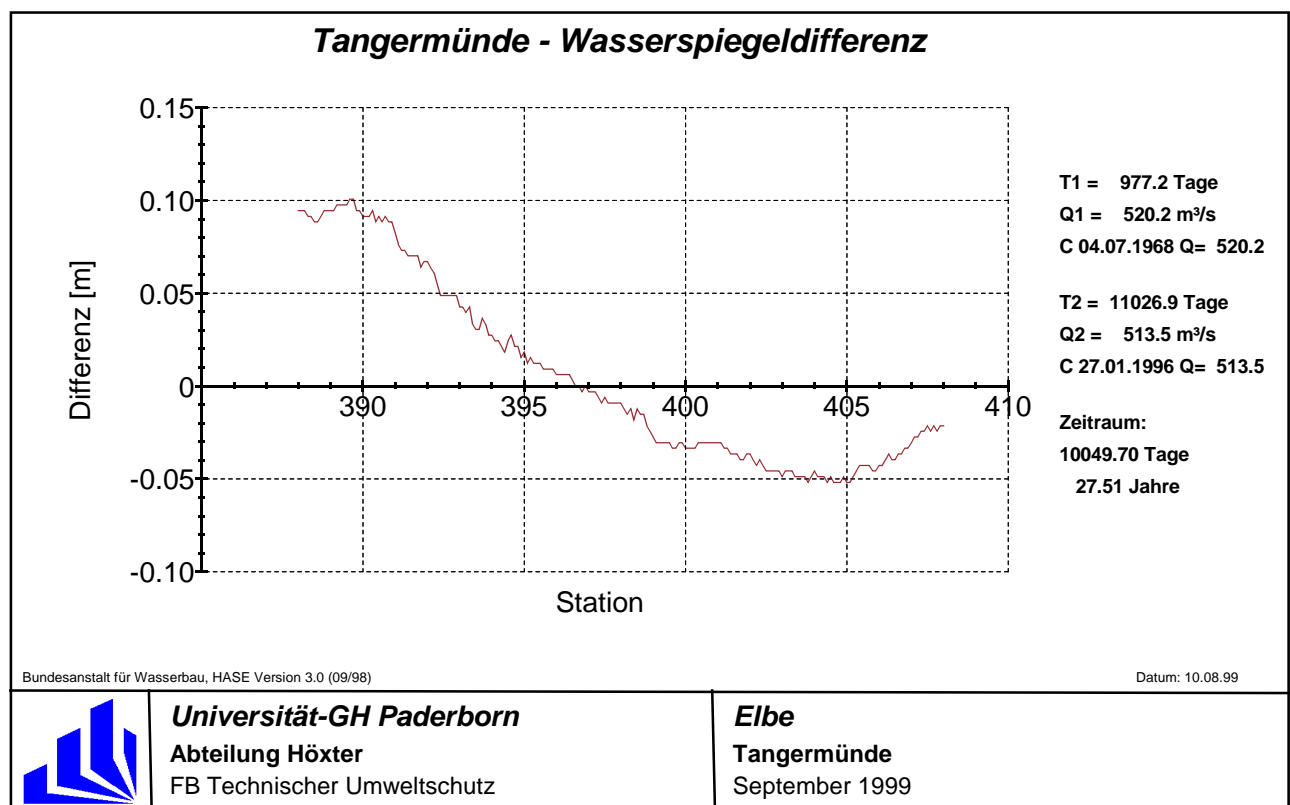
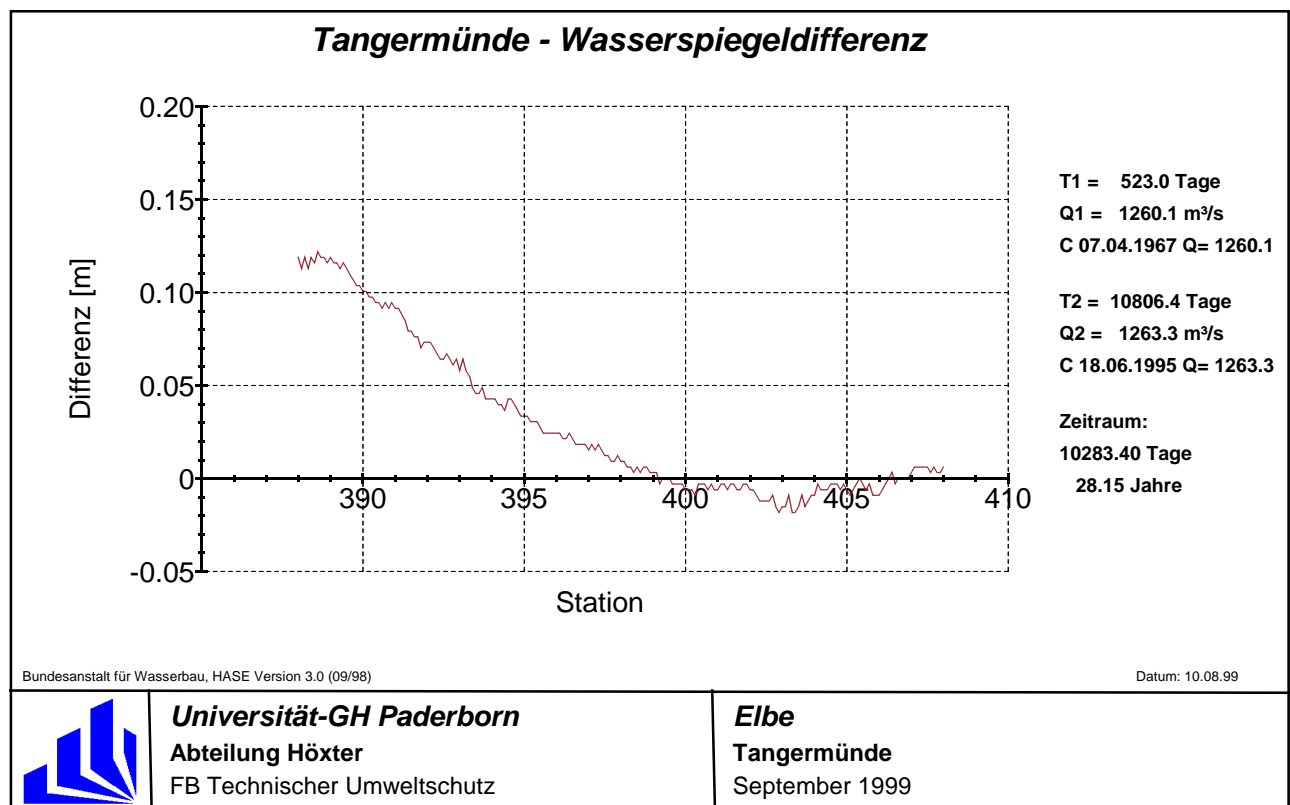


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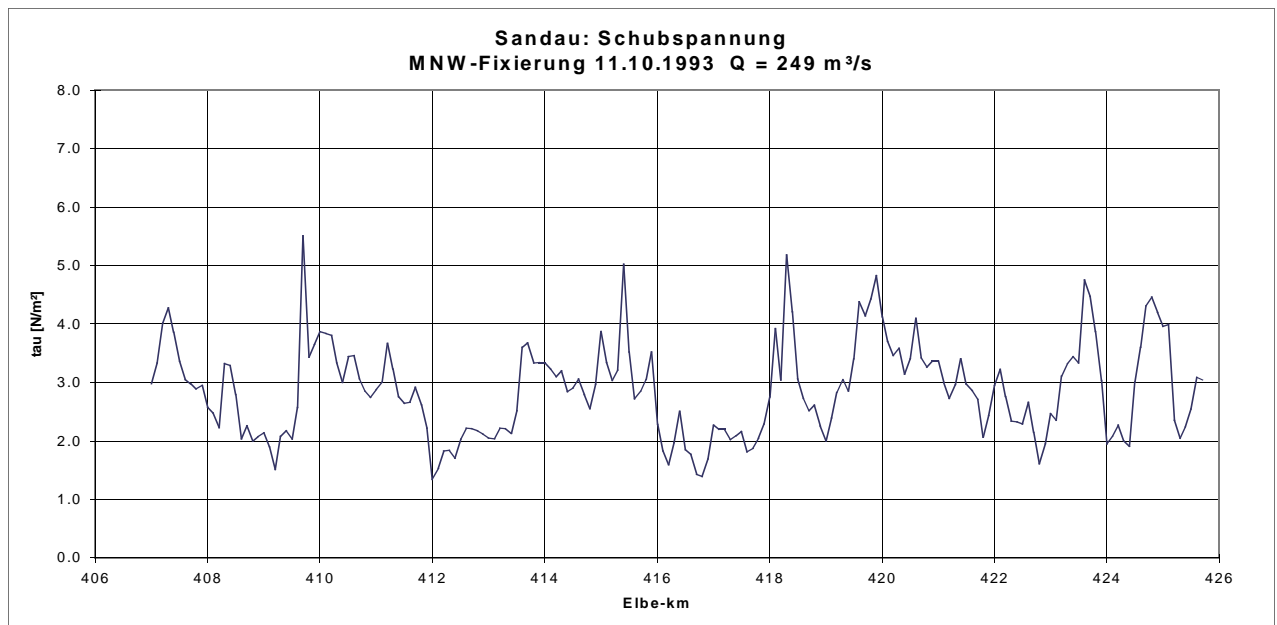
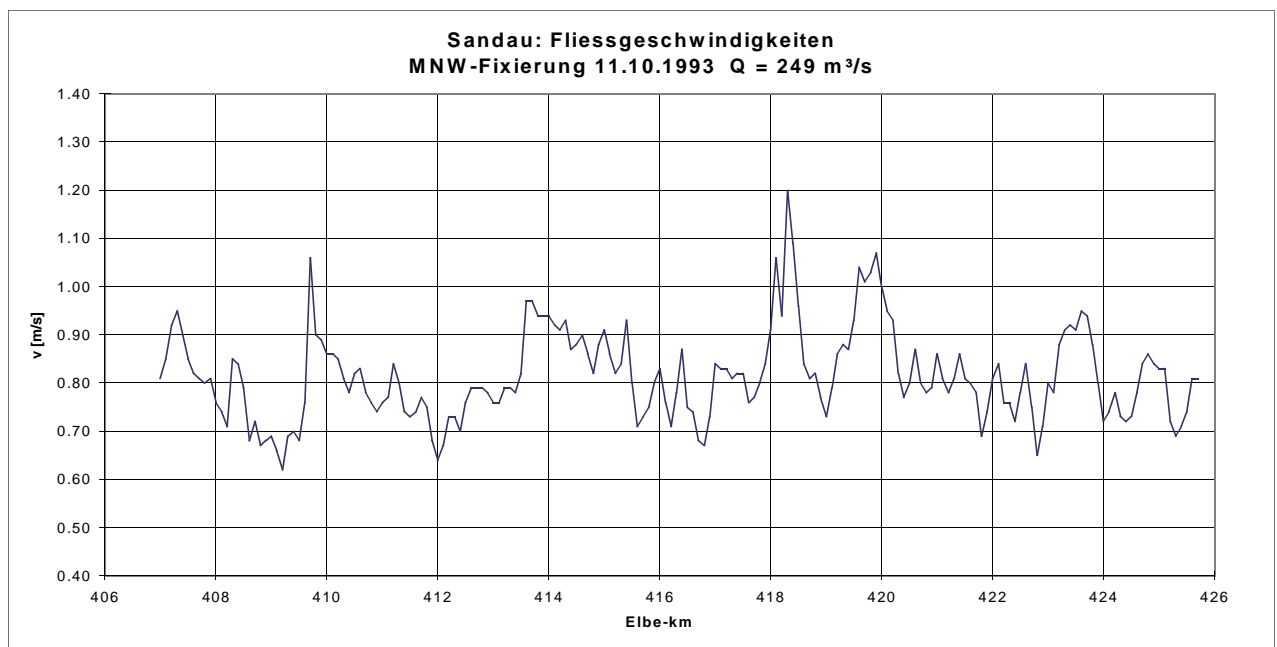
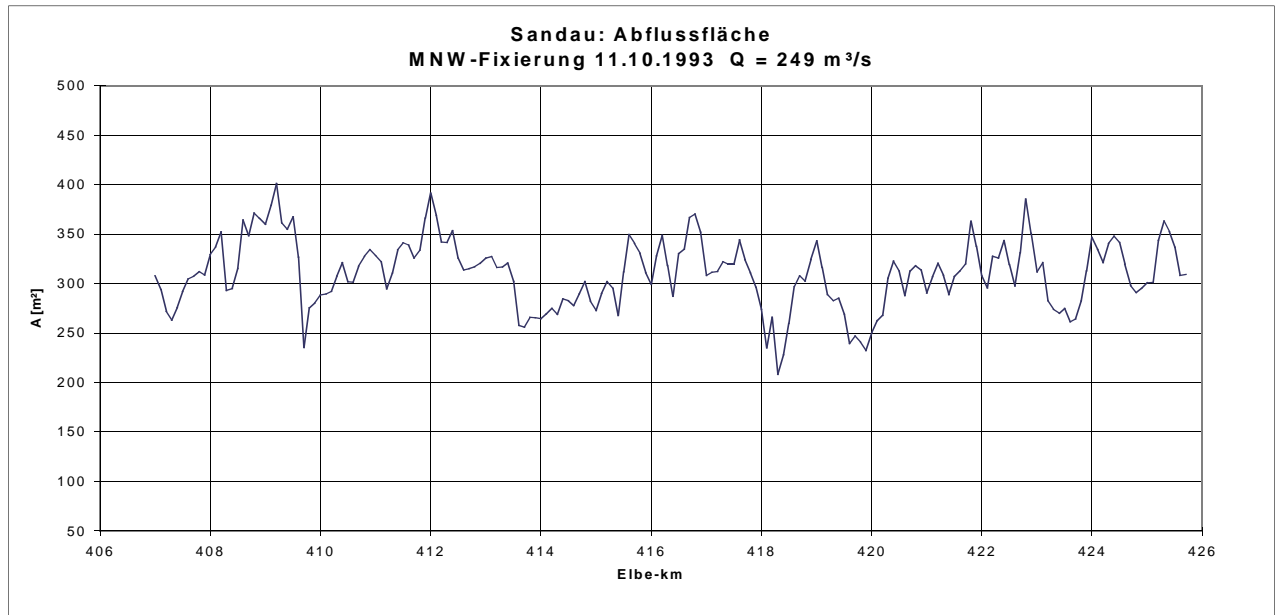
Anlage VII

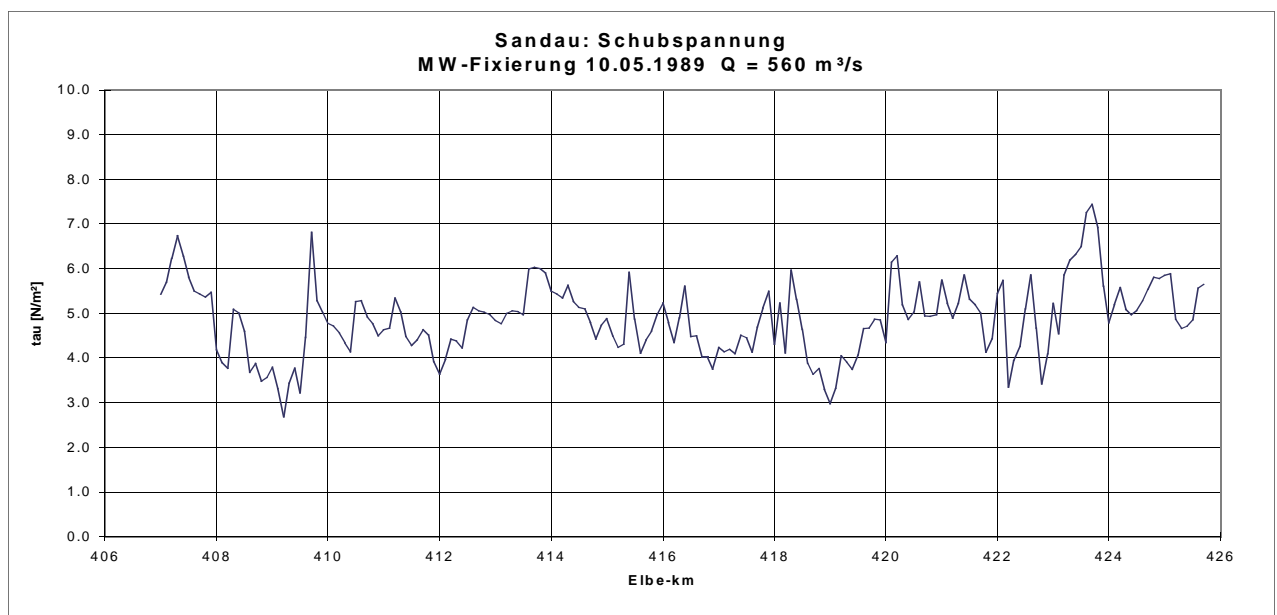
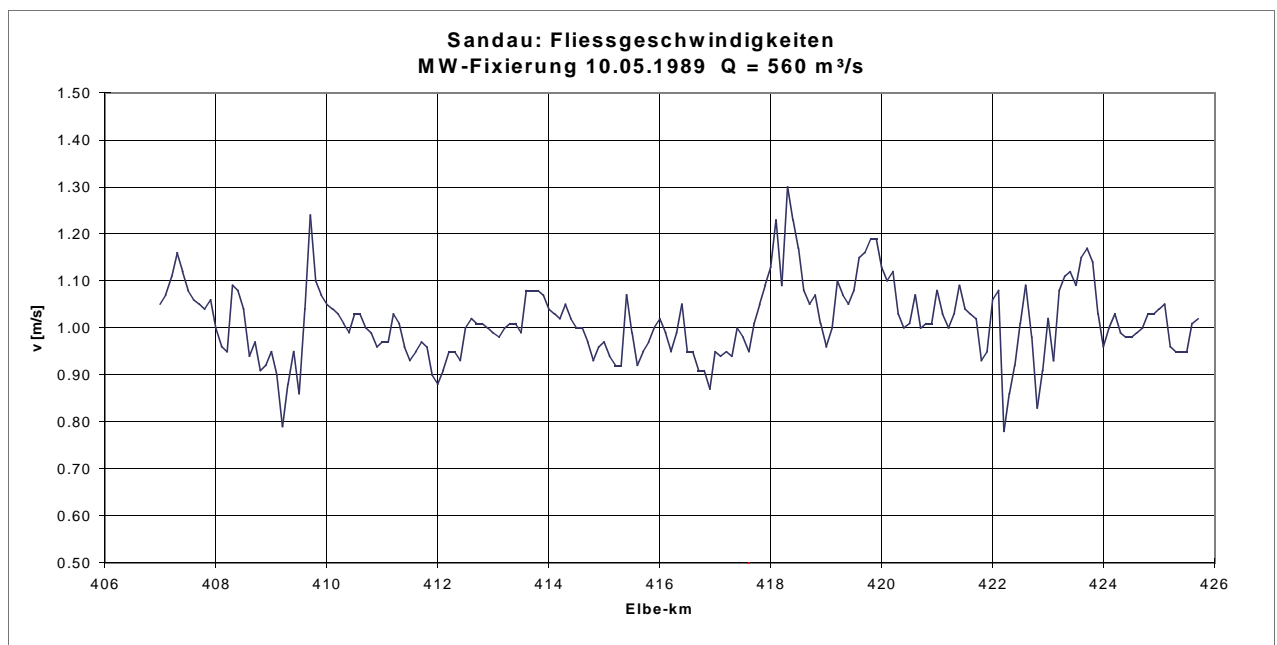
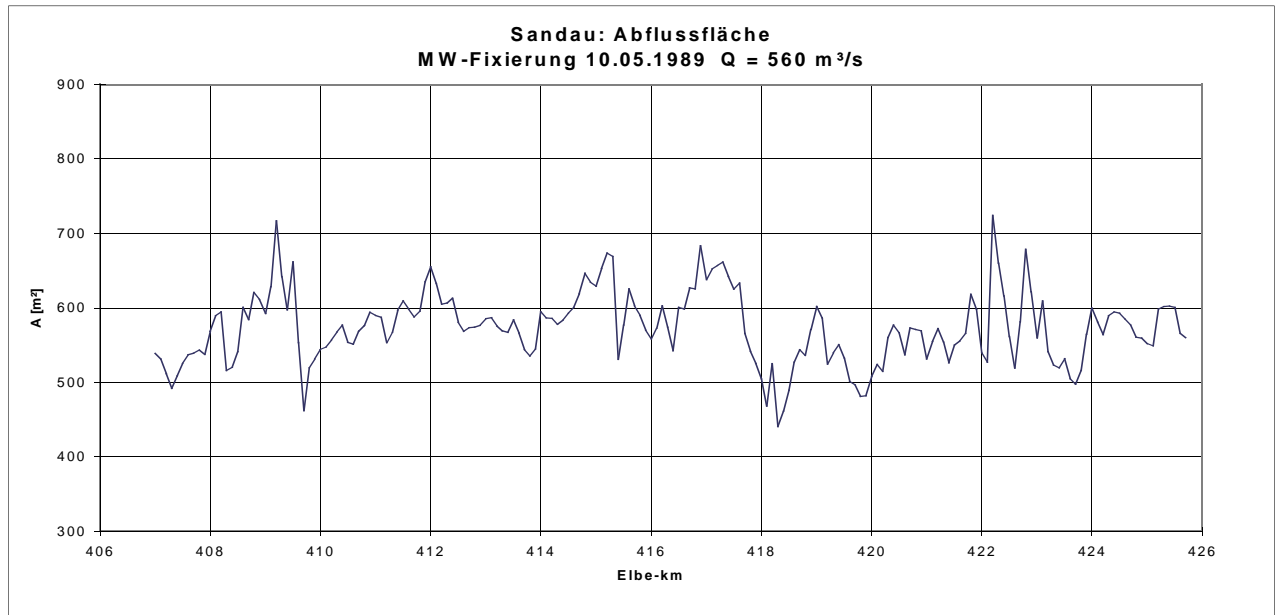
Berechnungsstrecke Sandau

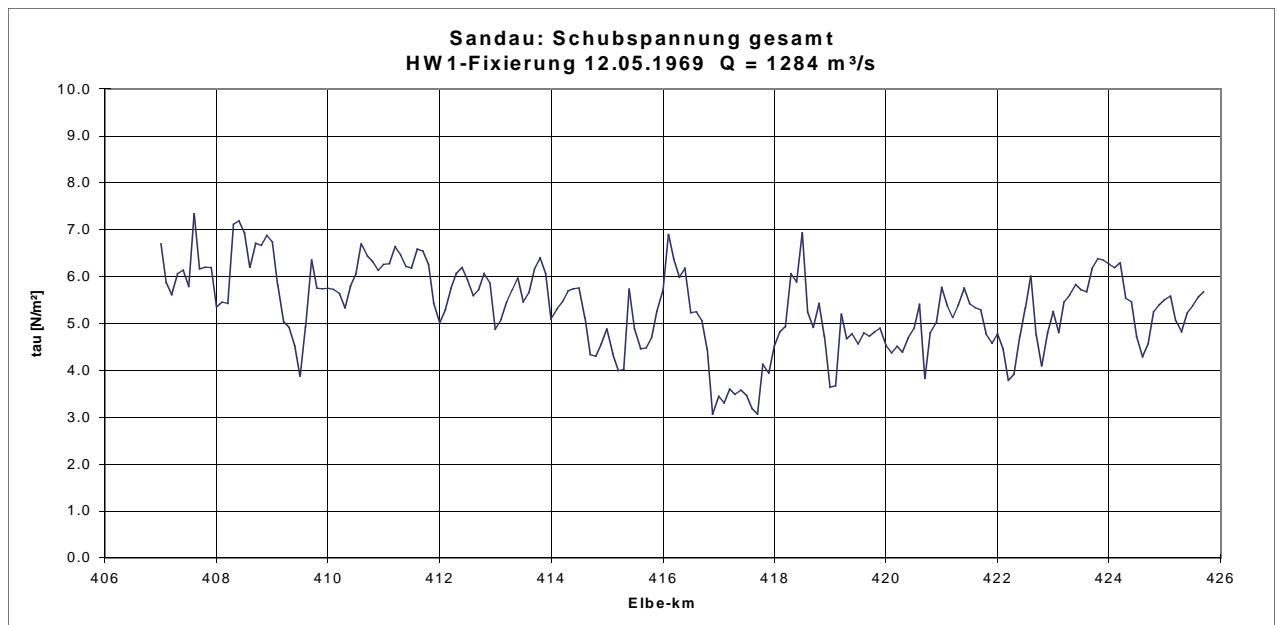
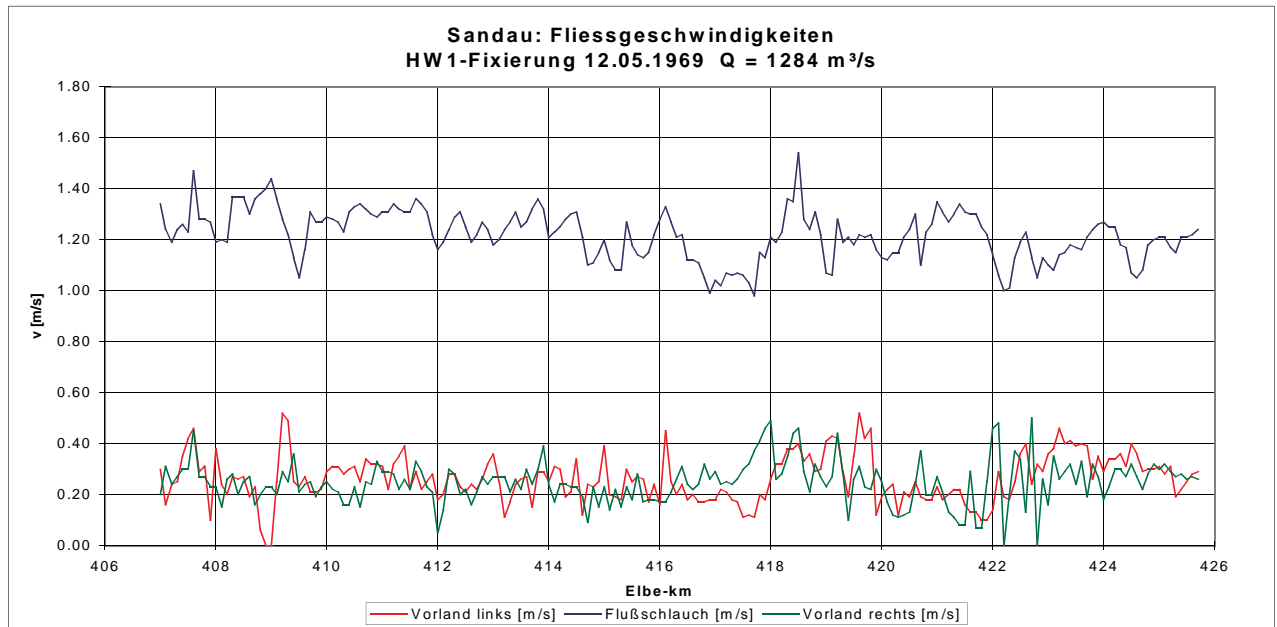
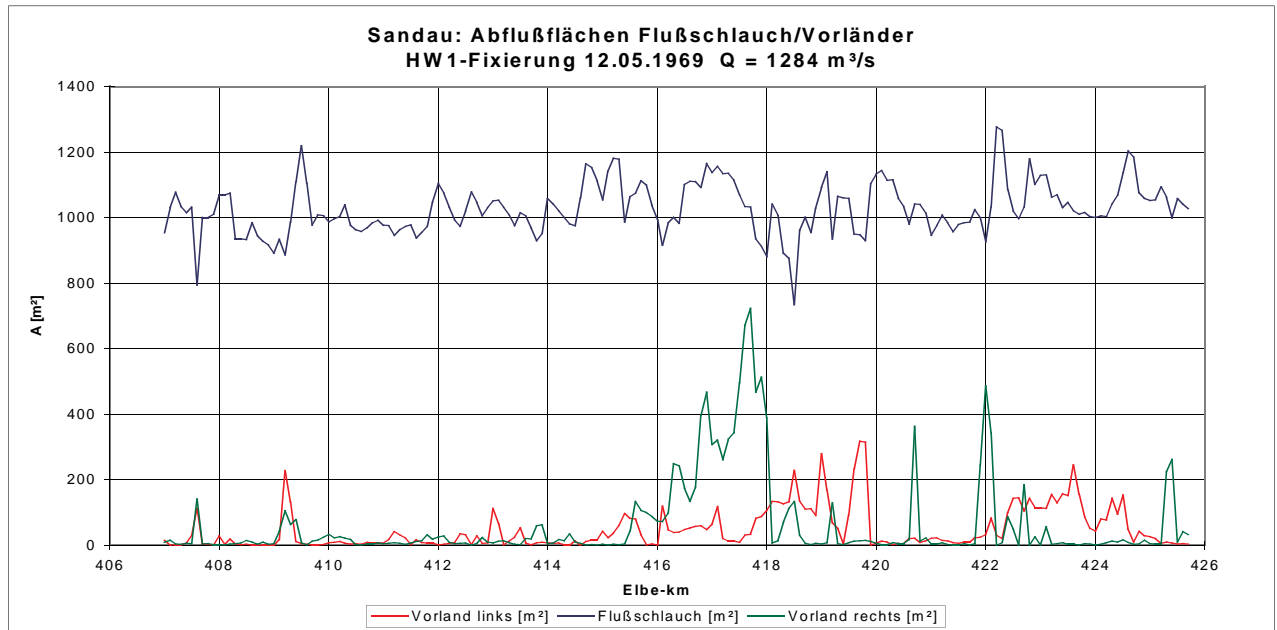
Anlage VII-1: Lagepläne (nur gedruckte Version)

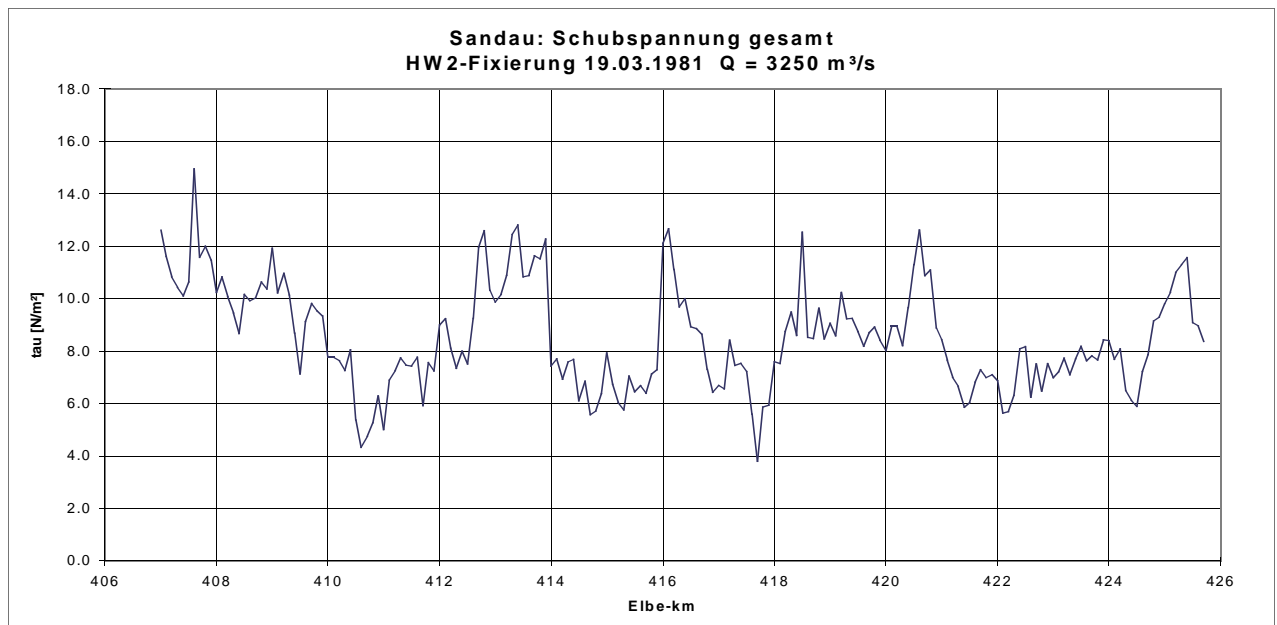
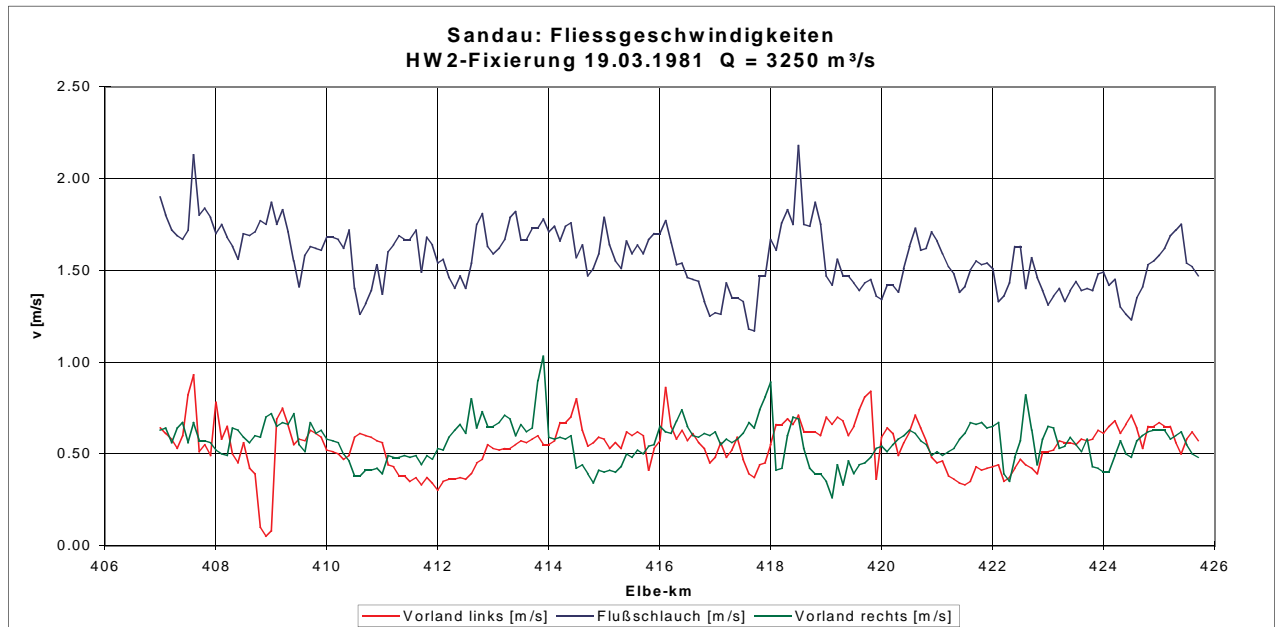
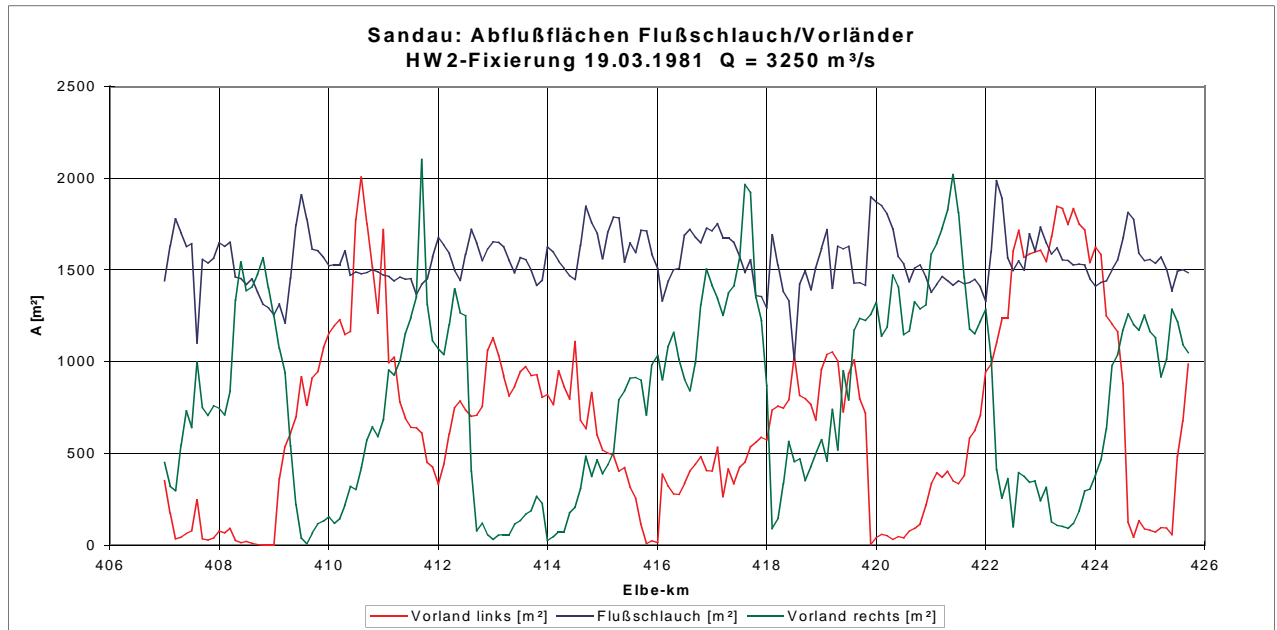
Anlage VII-2: Hydraulisches Modell

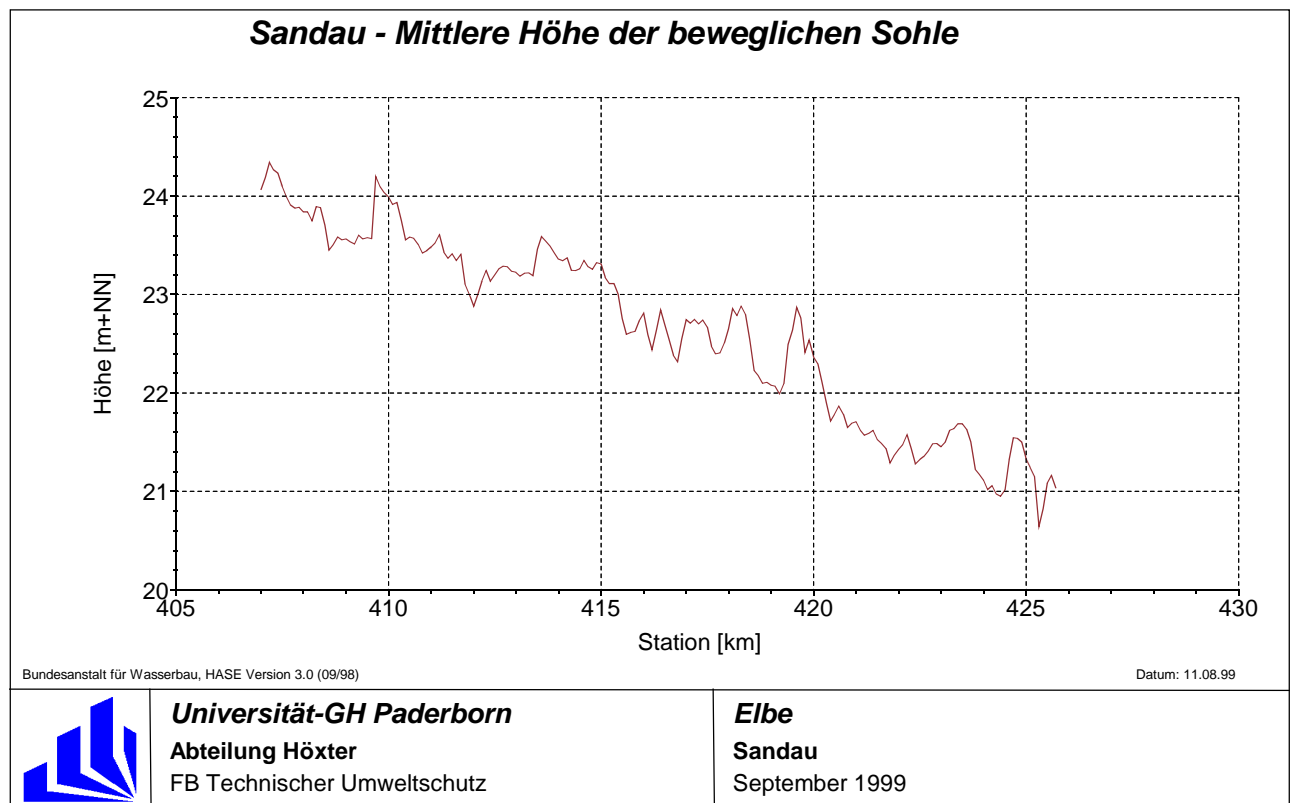
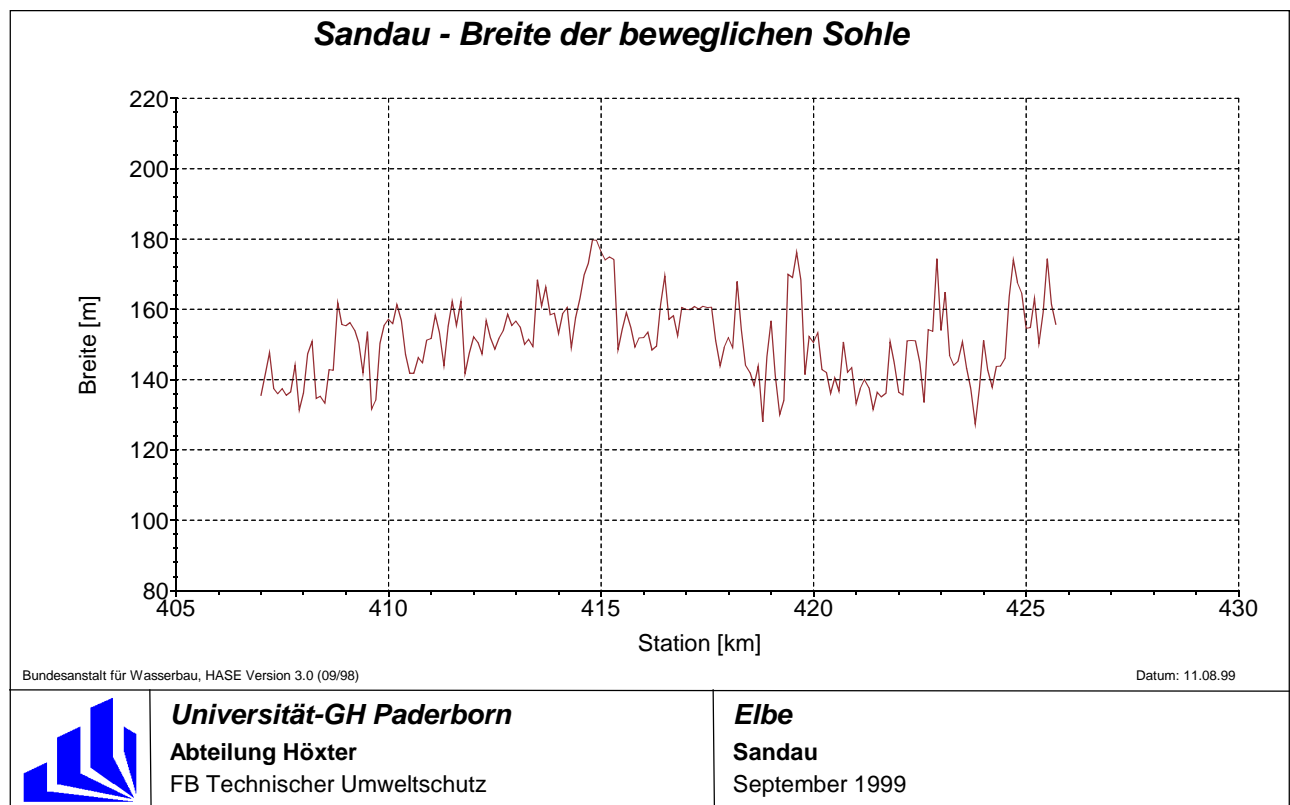
Anlage VII-3: Sedimentologisches Modell

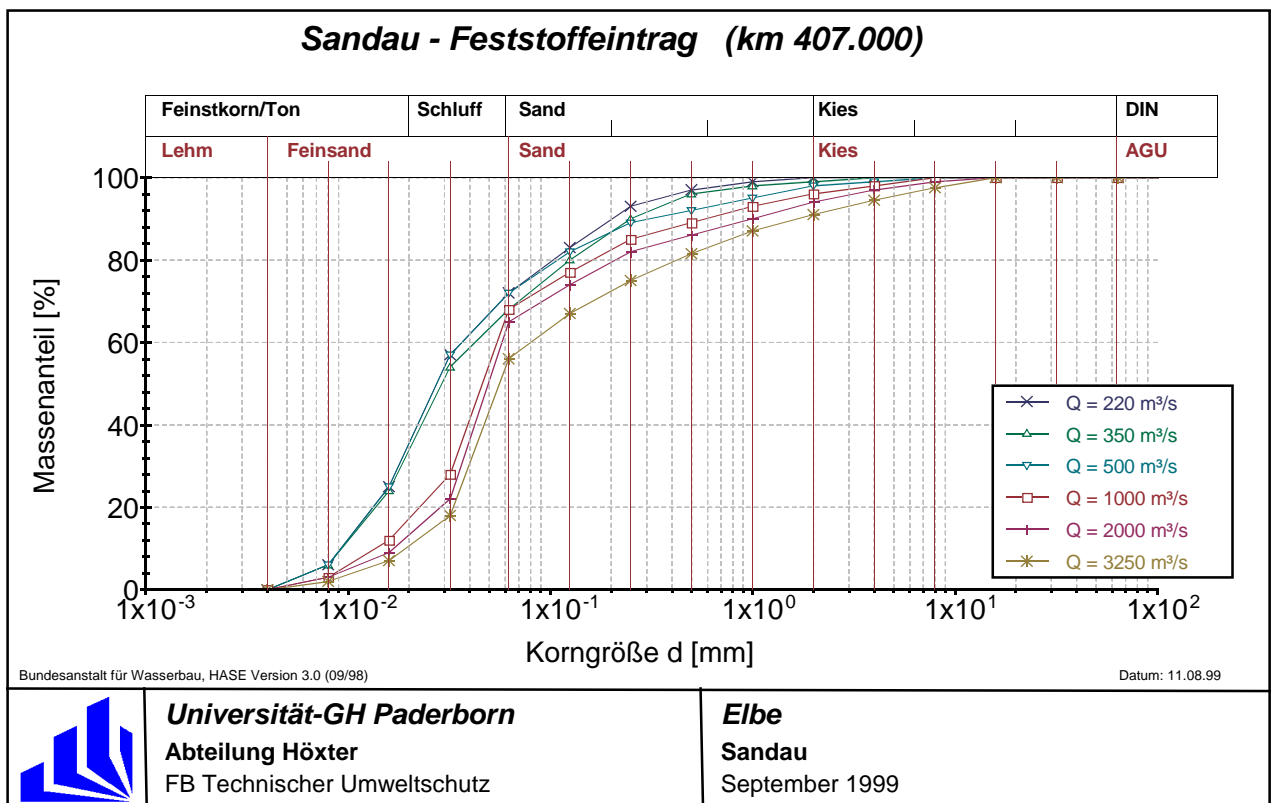
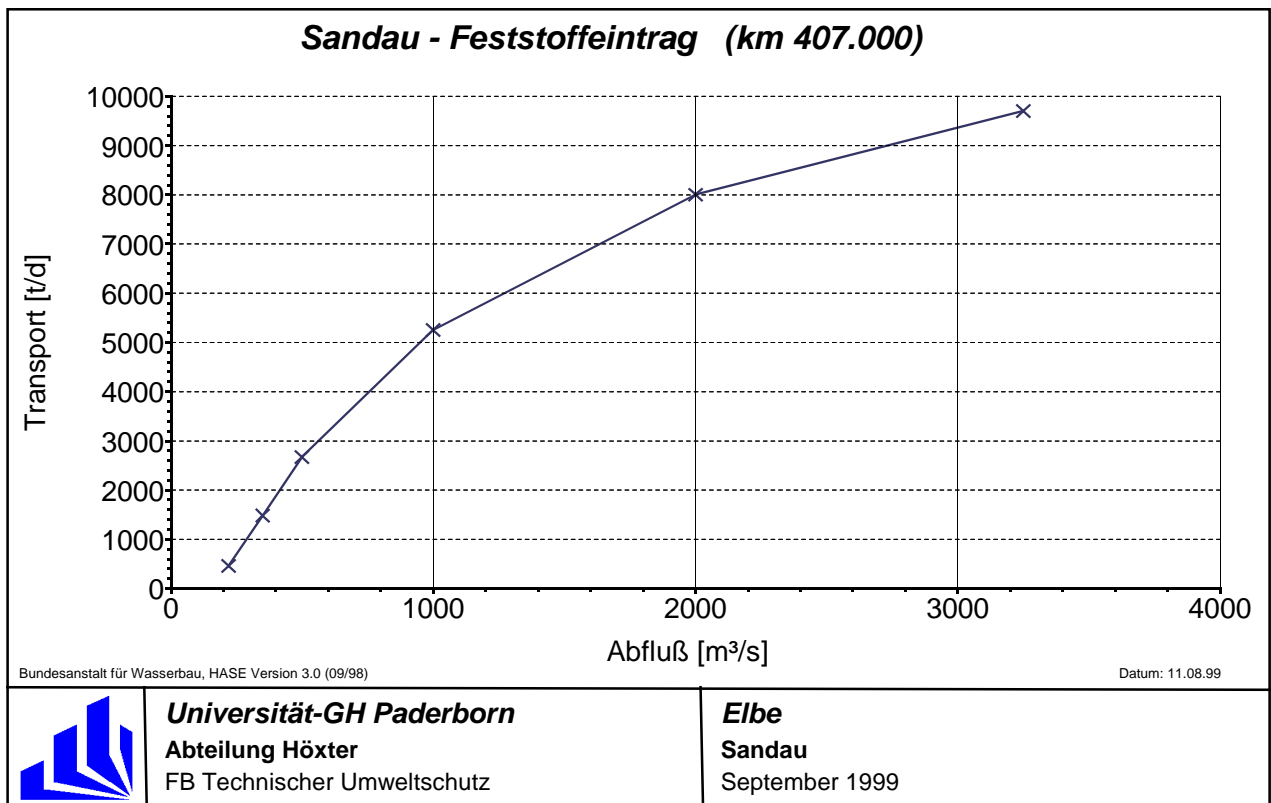


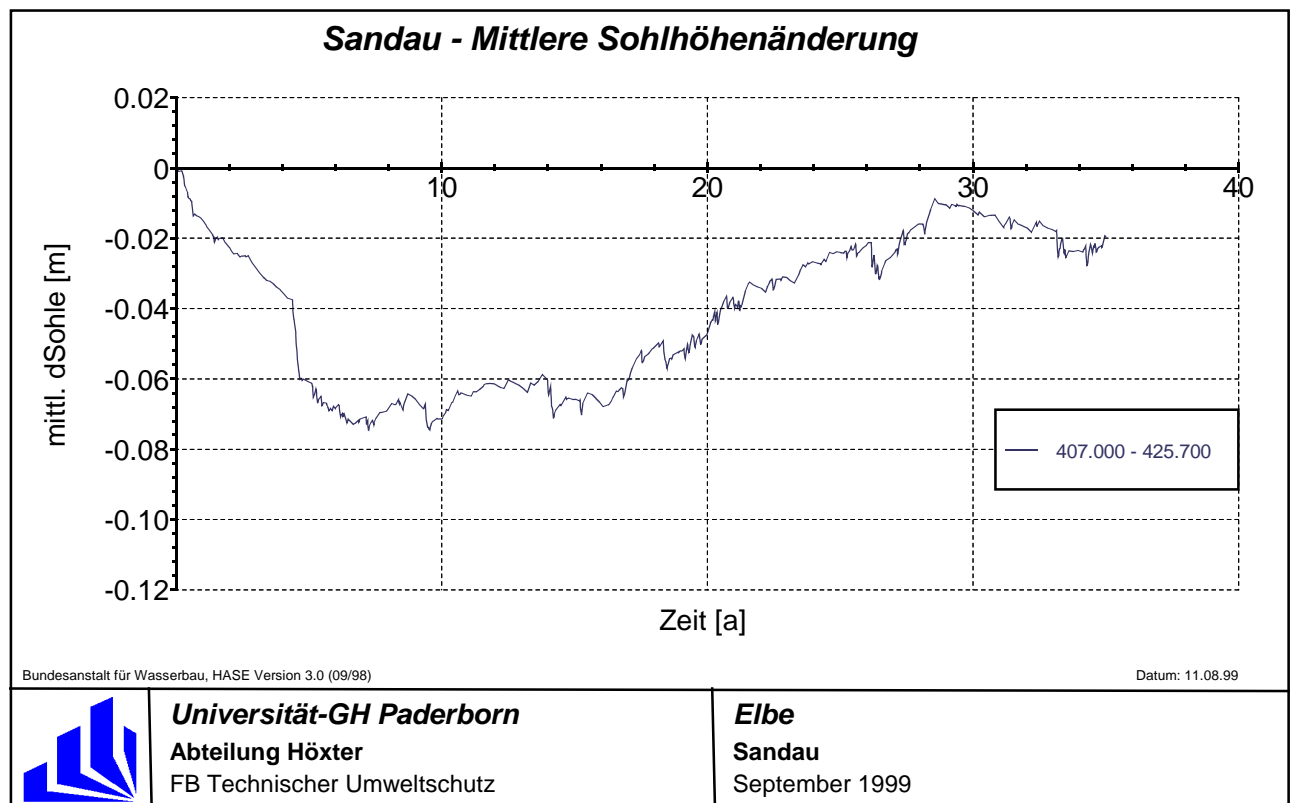
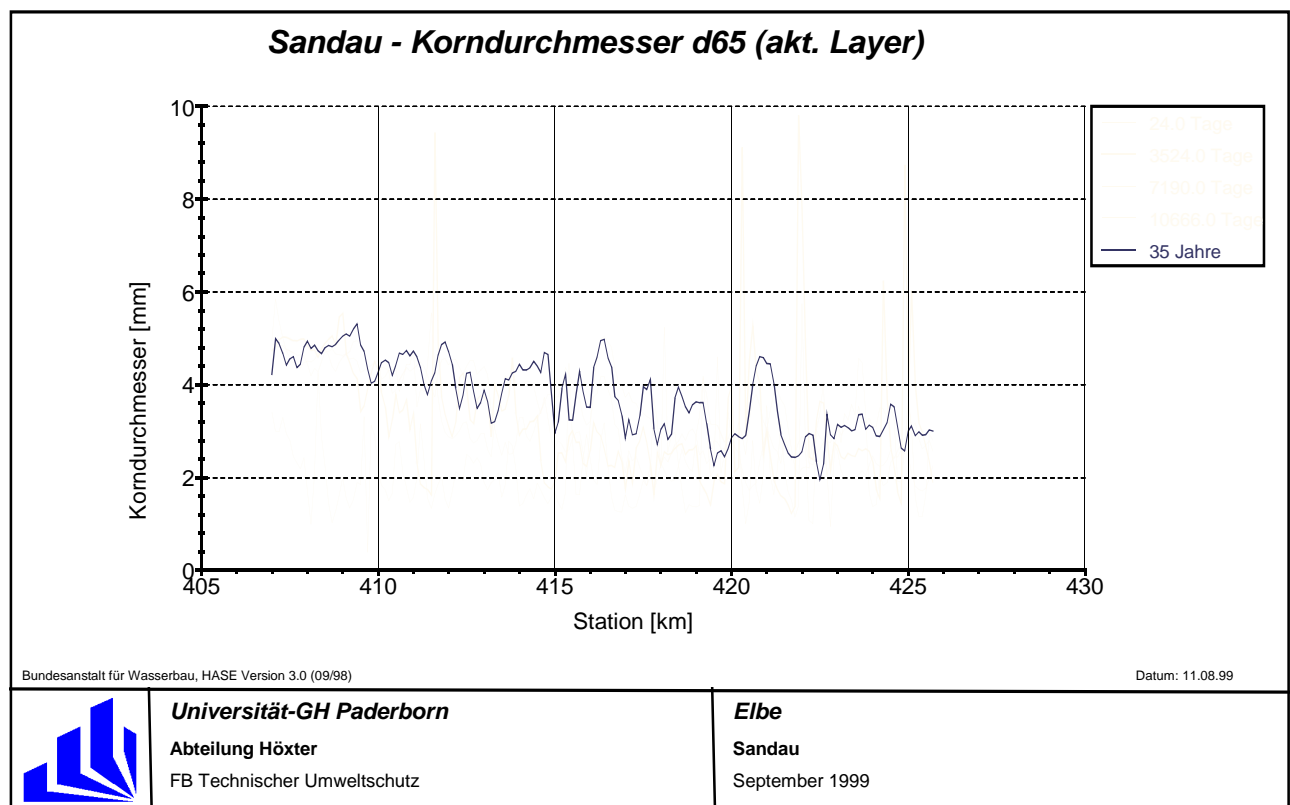


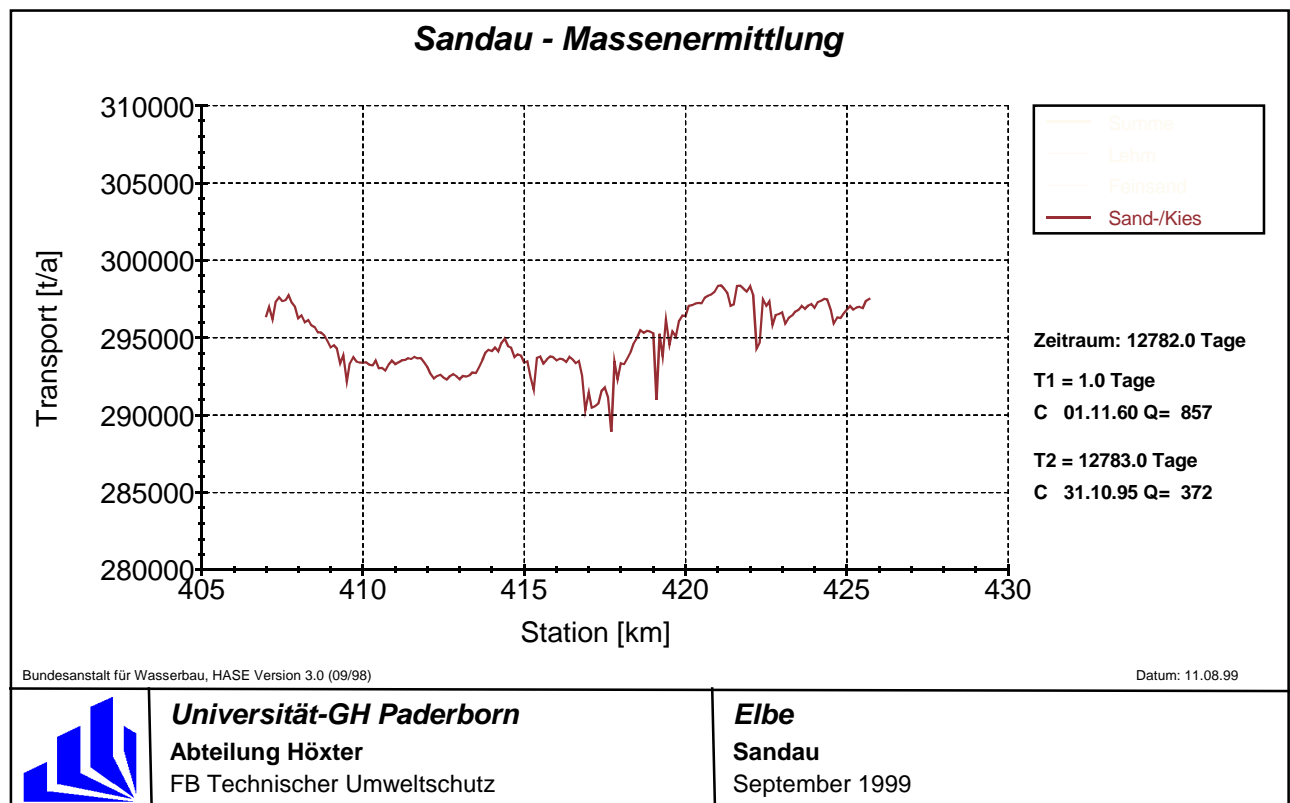
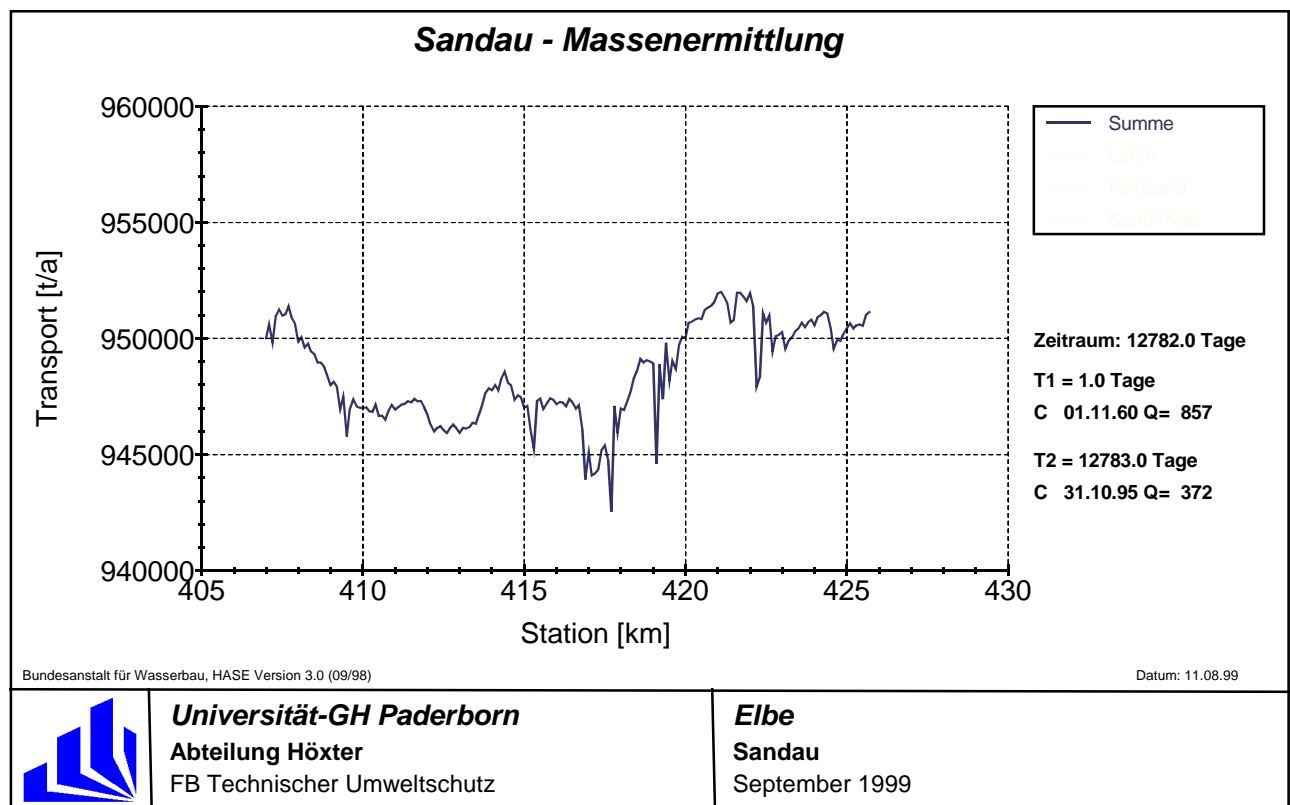












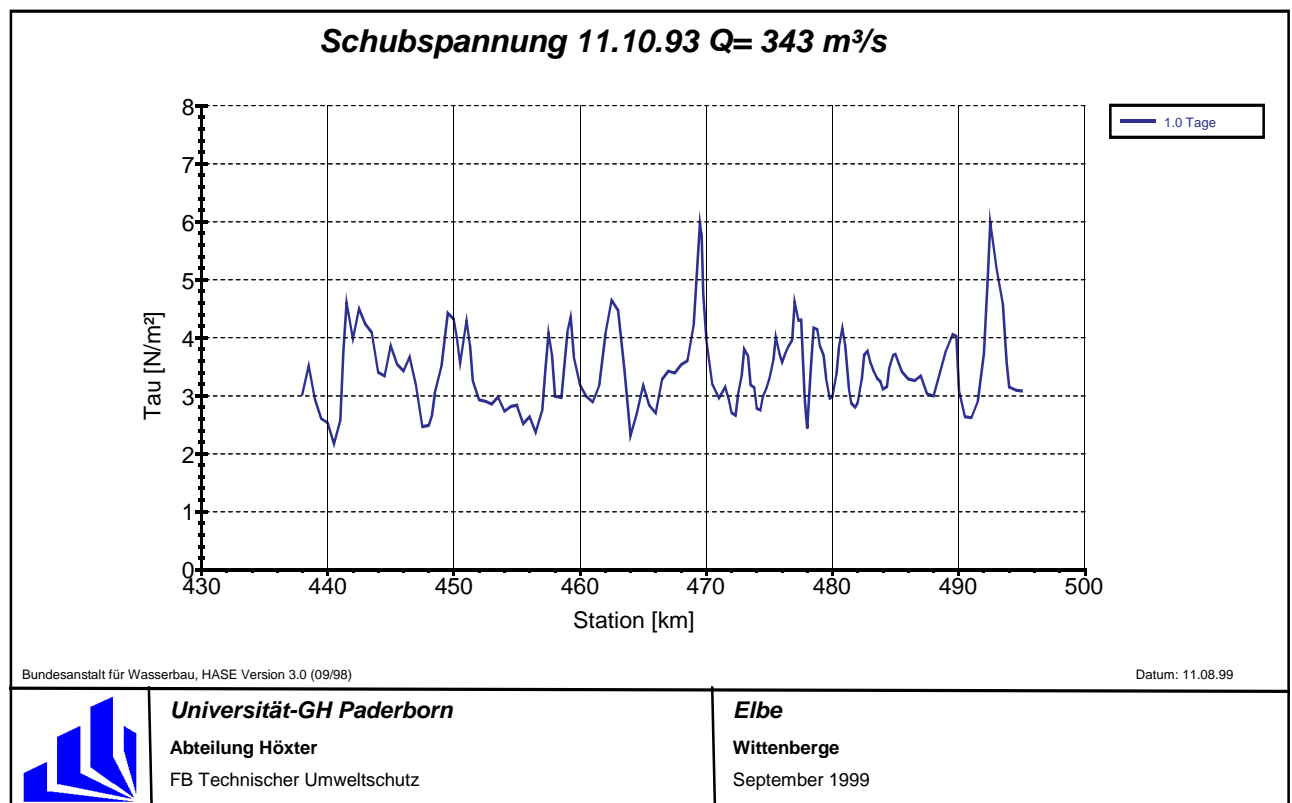
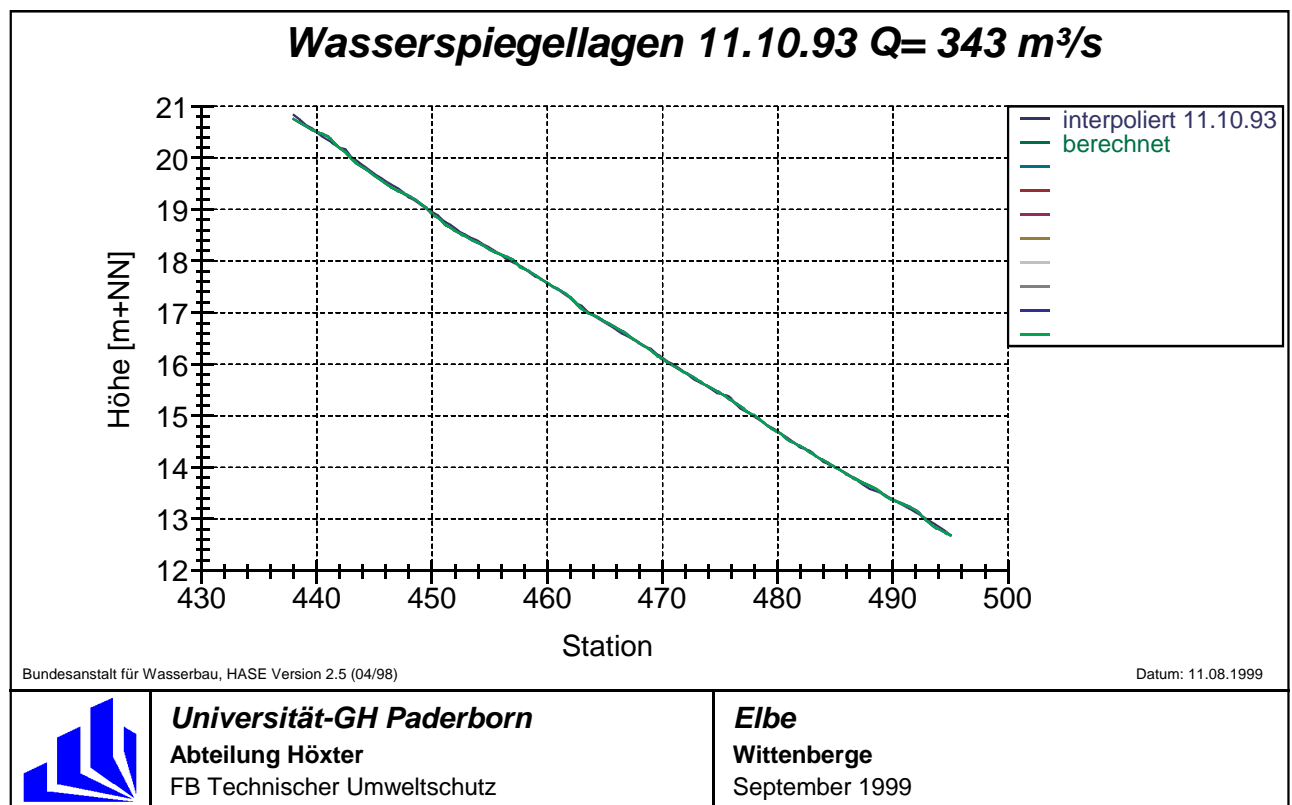
Anlage VIII

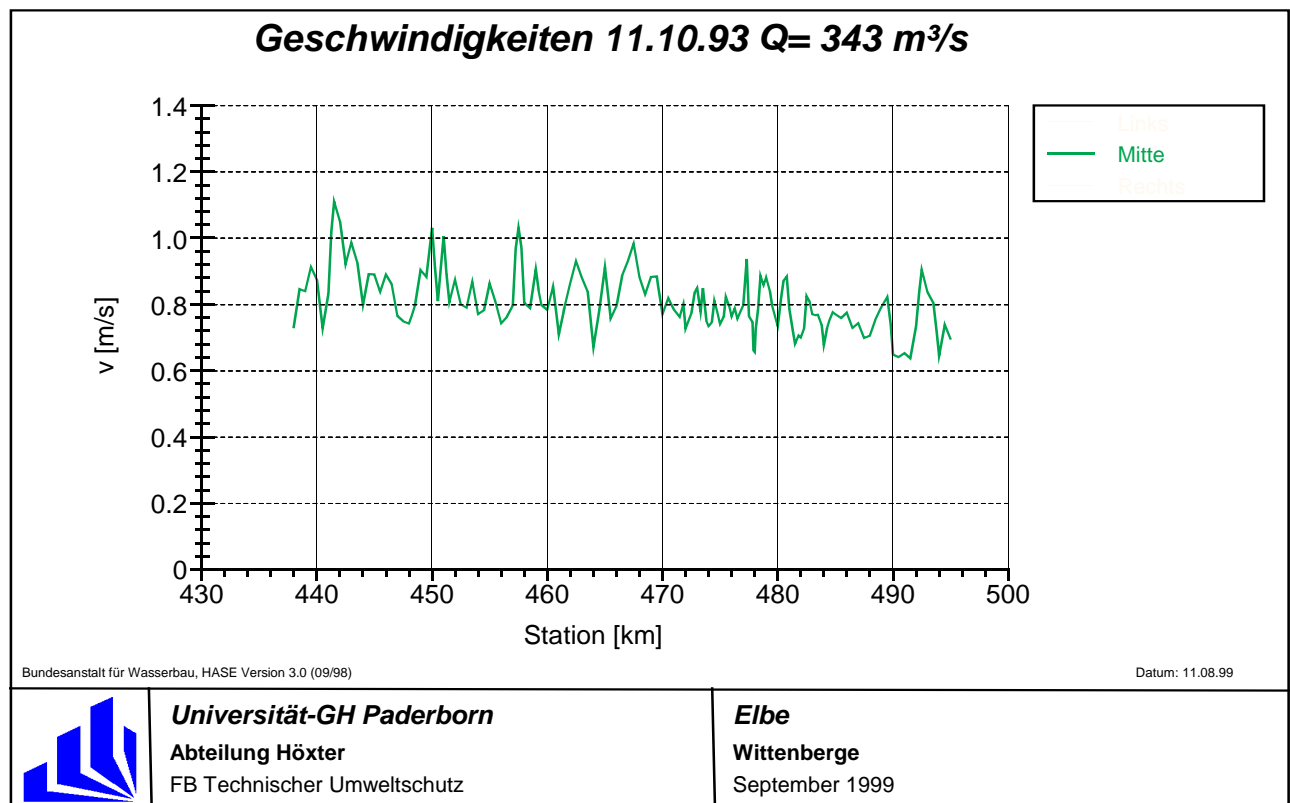
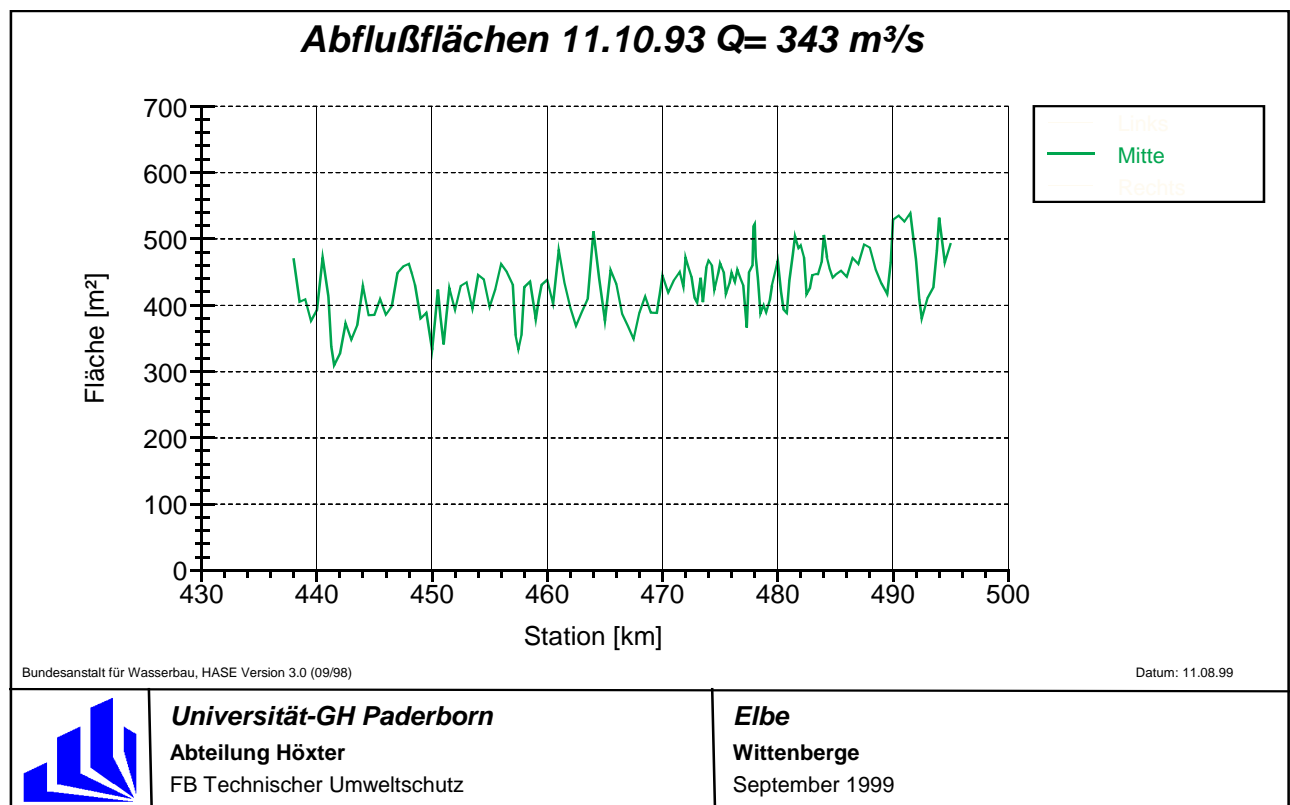
Berechnungsstrecke Wittenberge

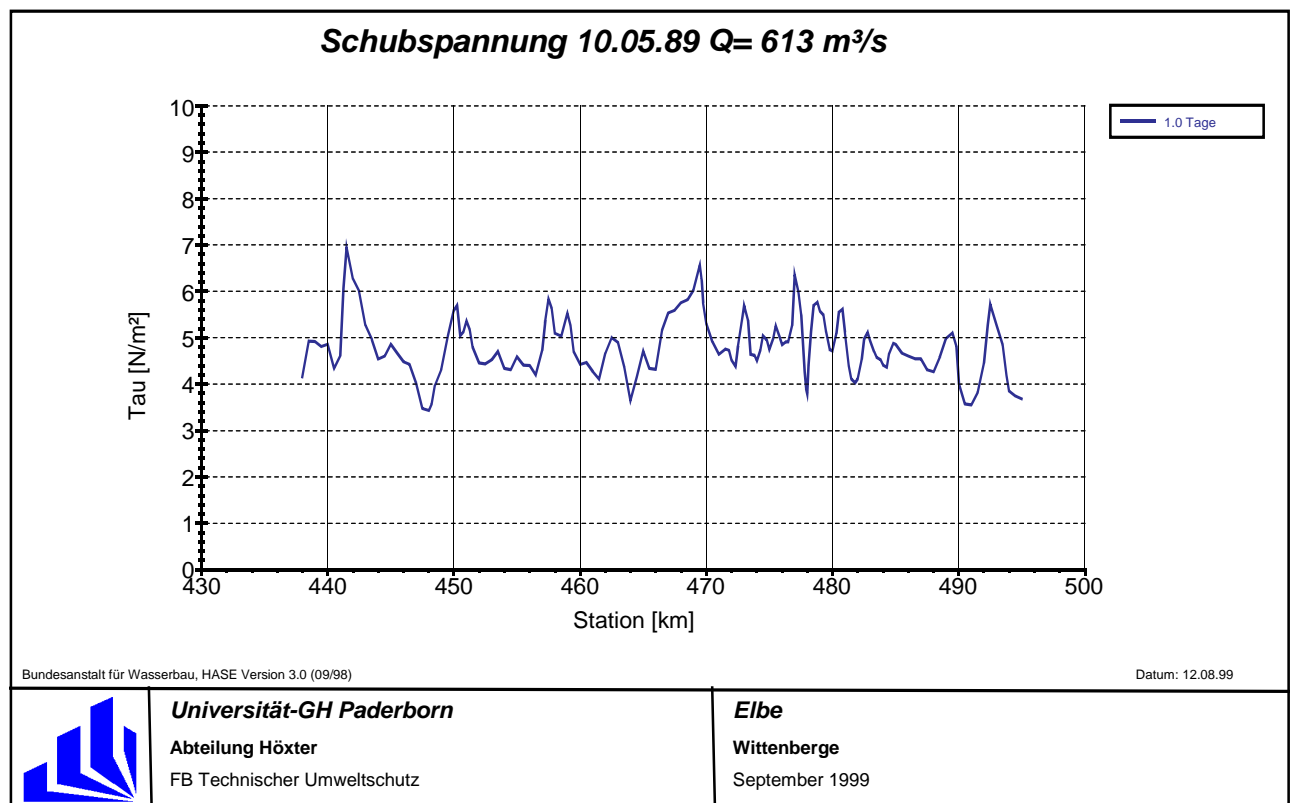
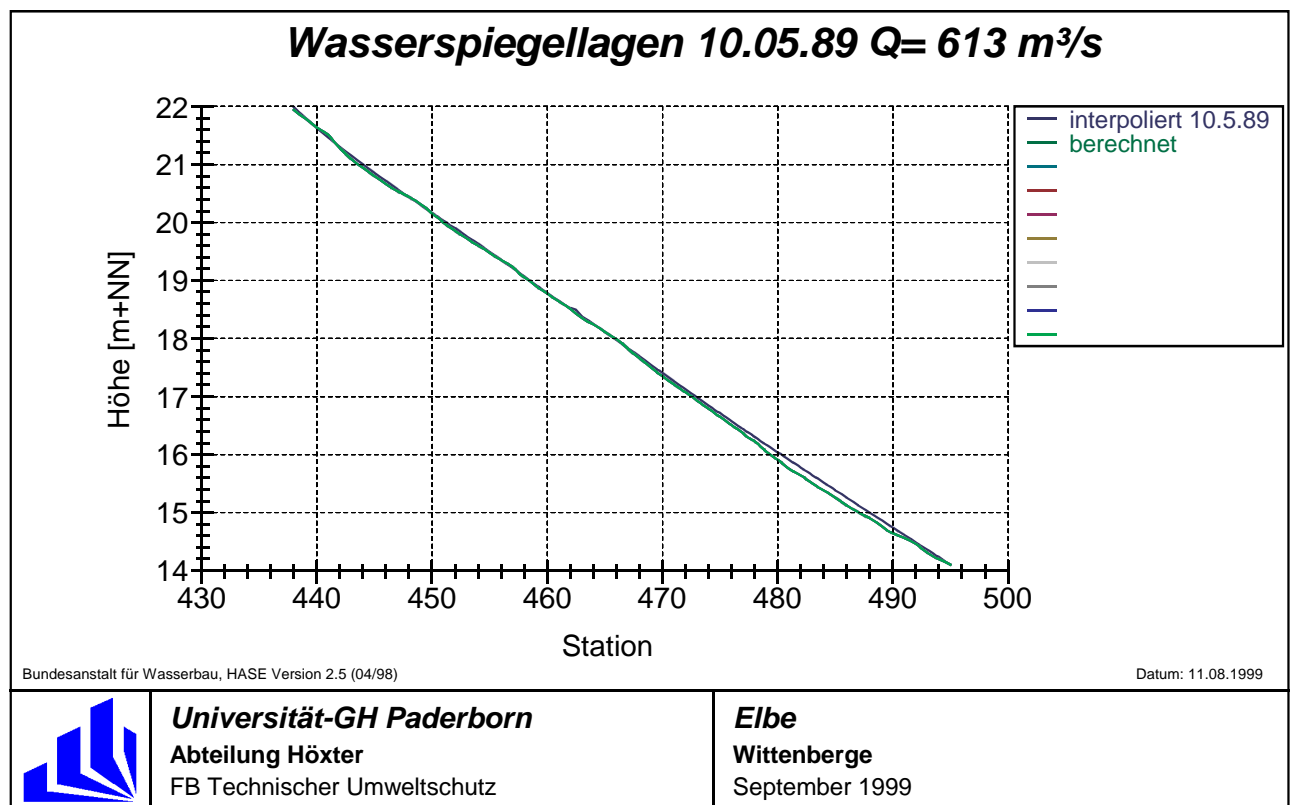
Anlage VII-1: Lagepläne (nur gedruckte Version)

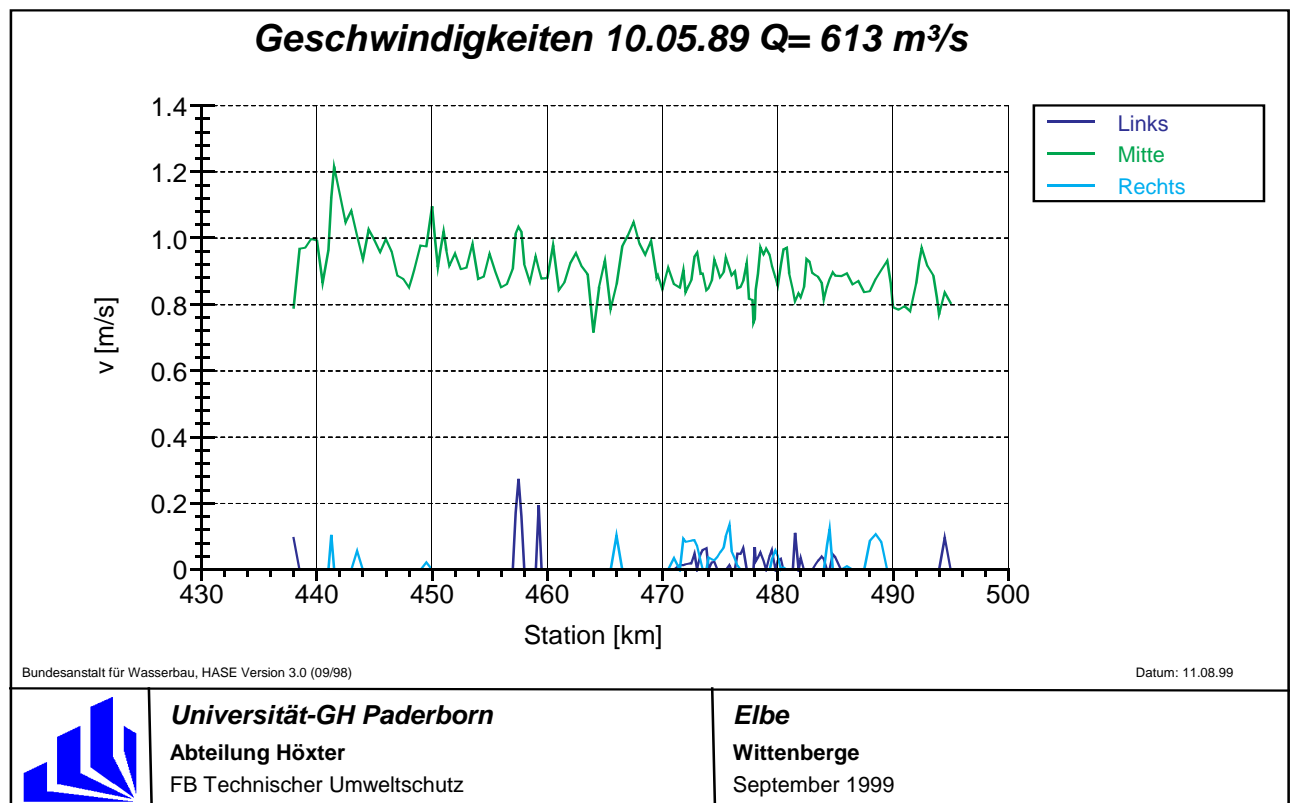
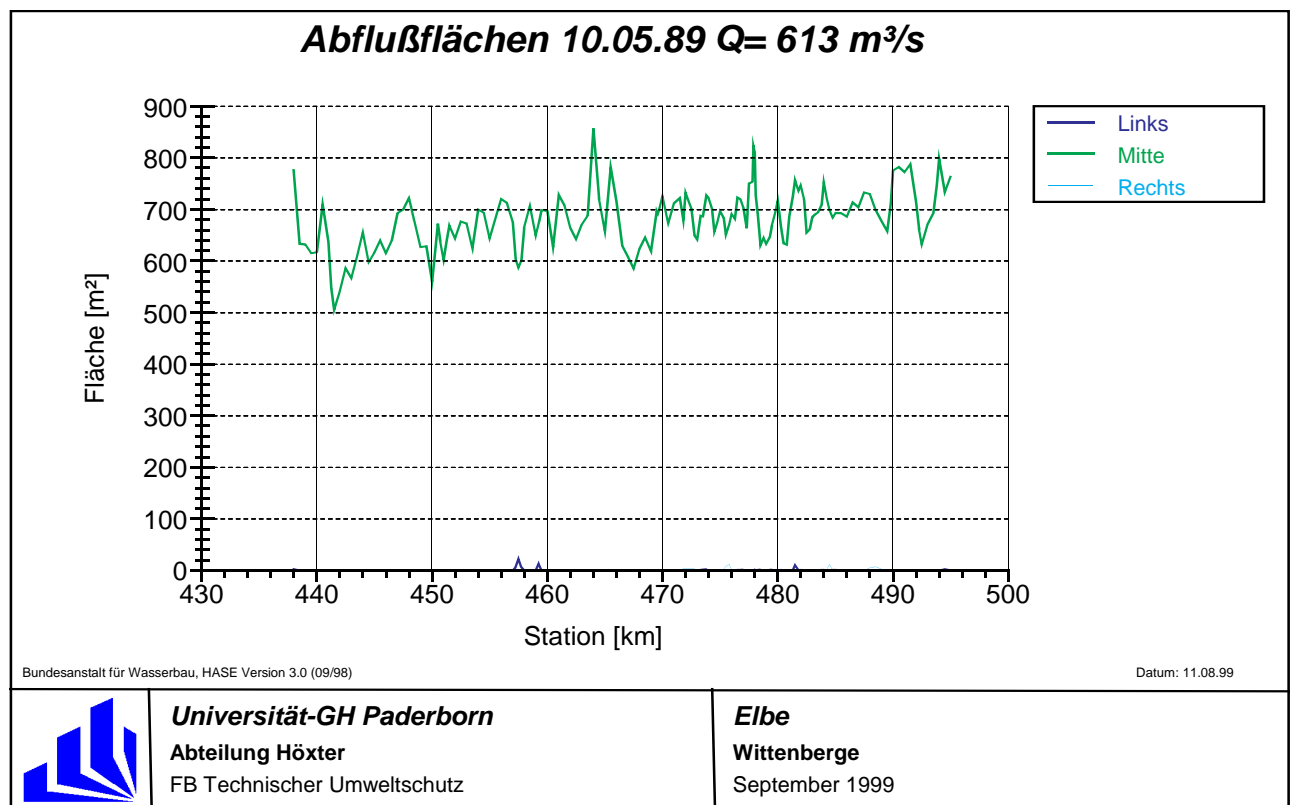
Anlage VII-2: Hydraulisches Modell

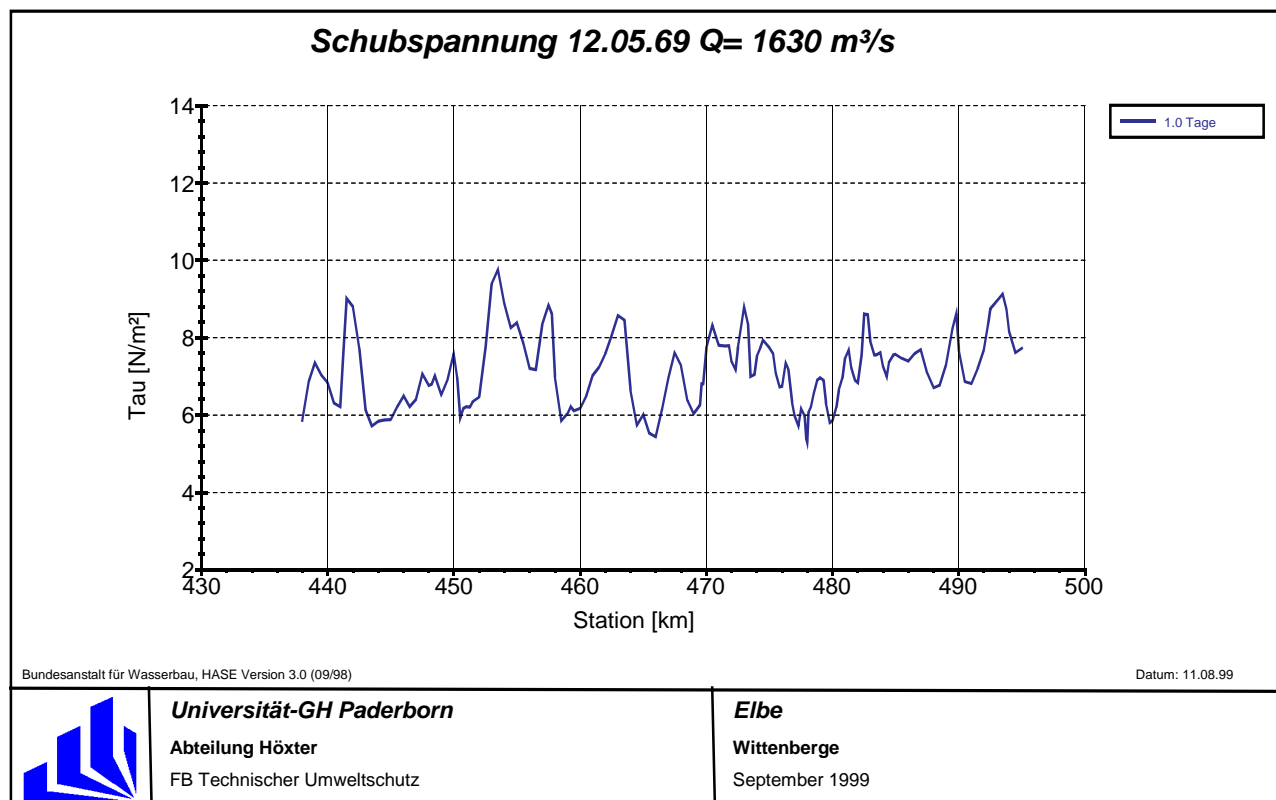
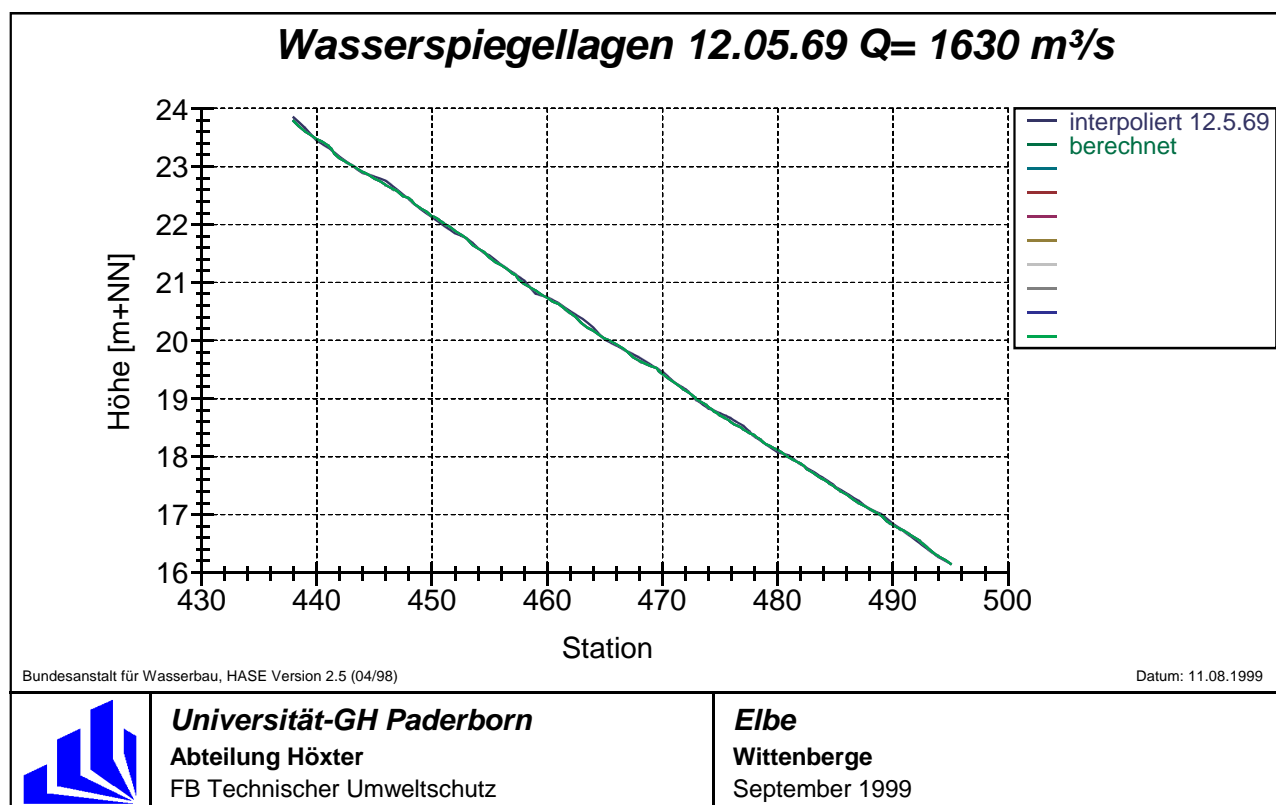
Anlage VII-3: Sedimentologisches Modell

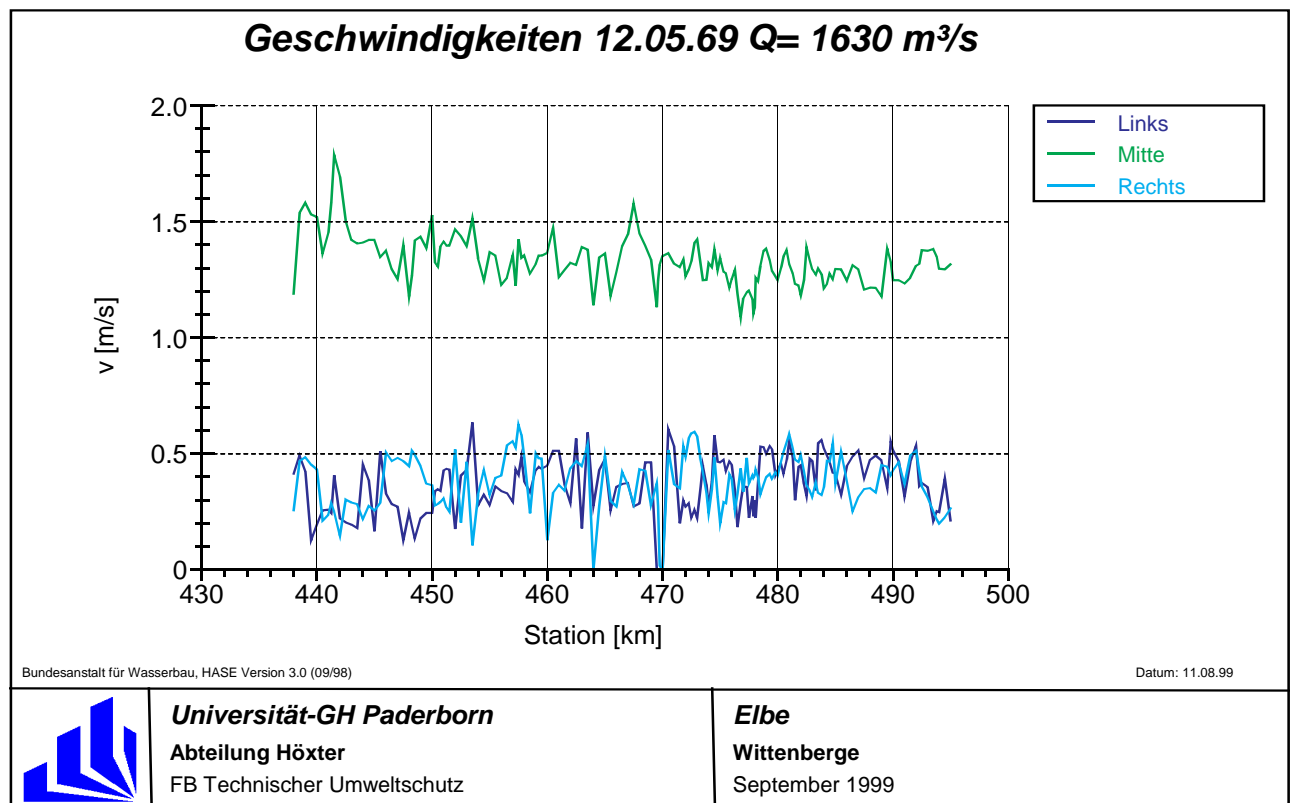
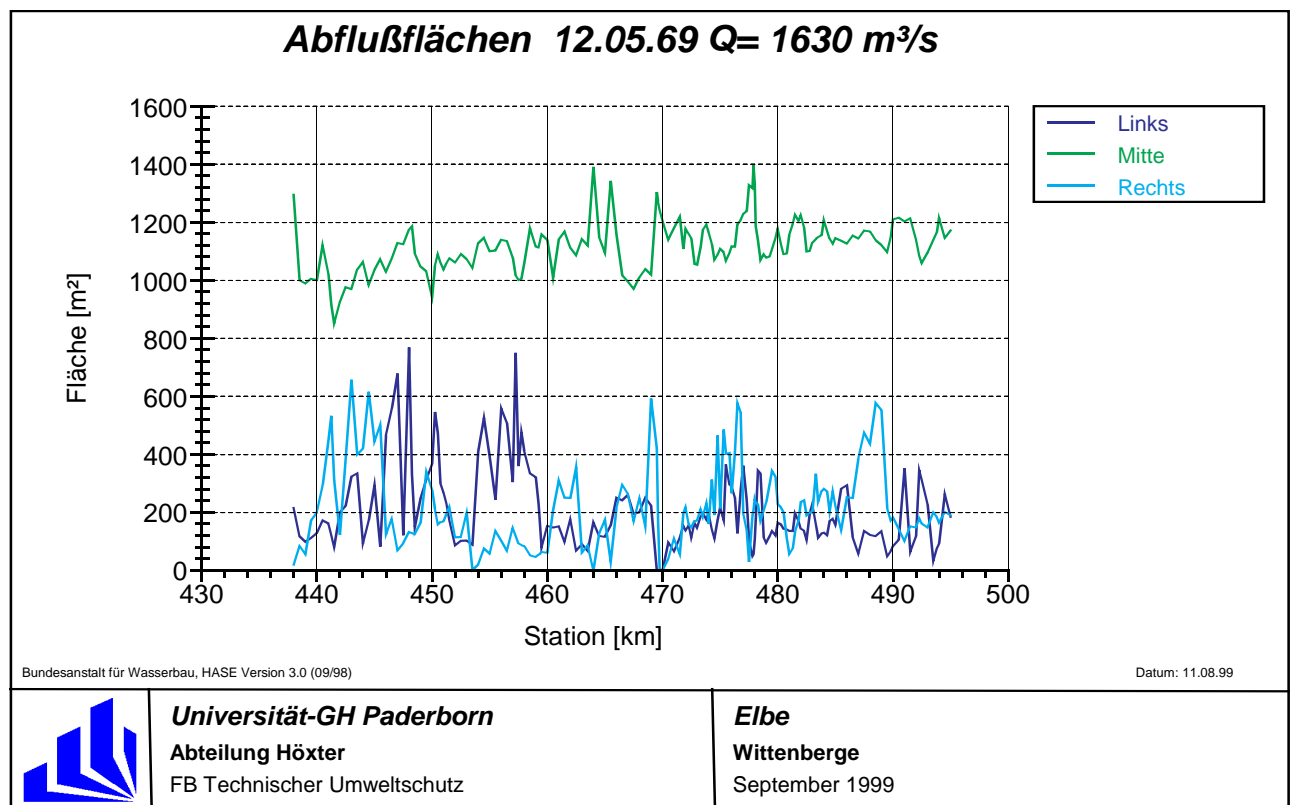


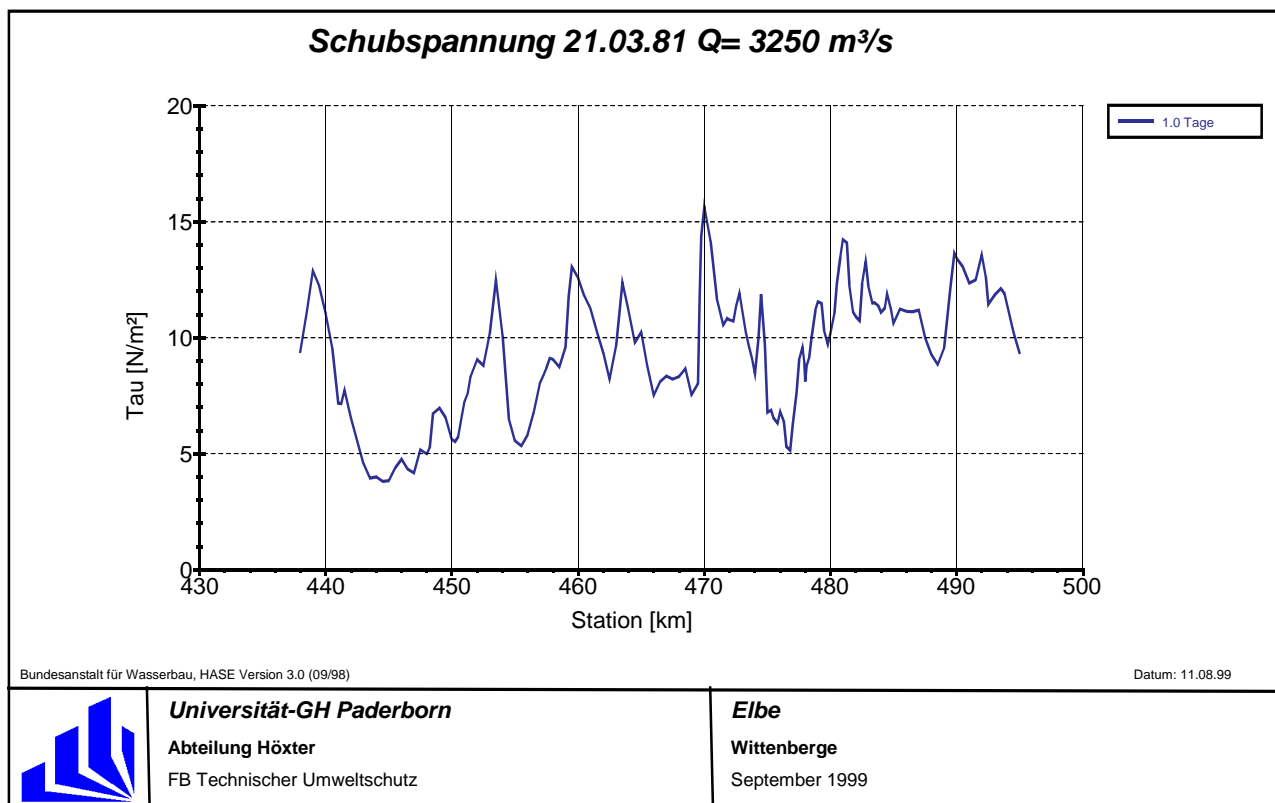
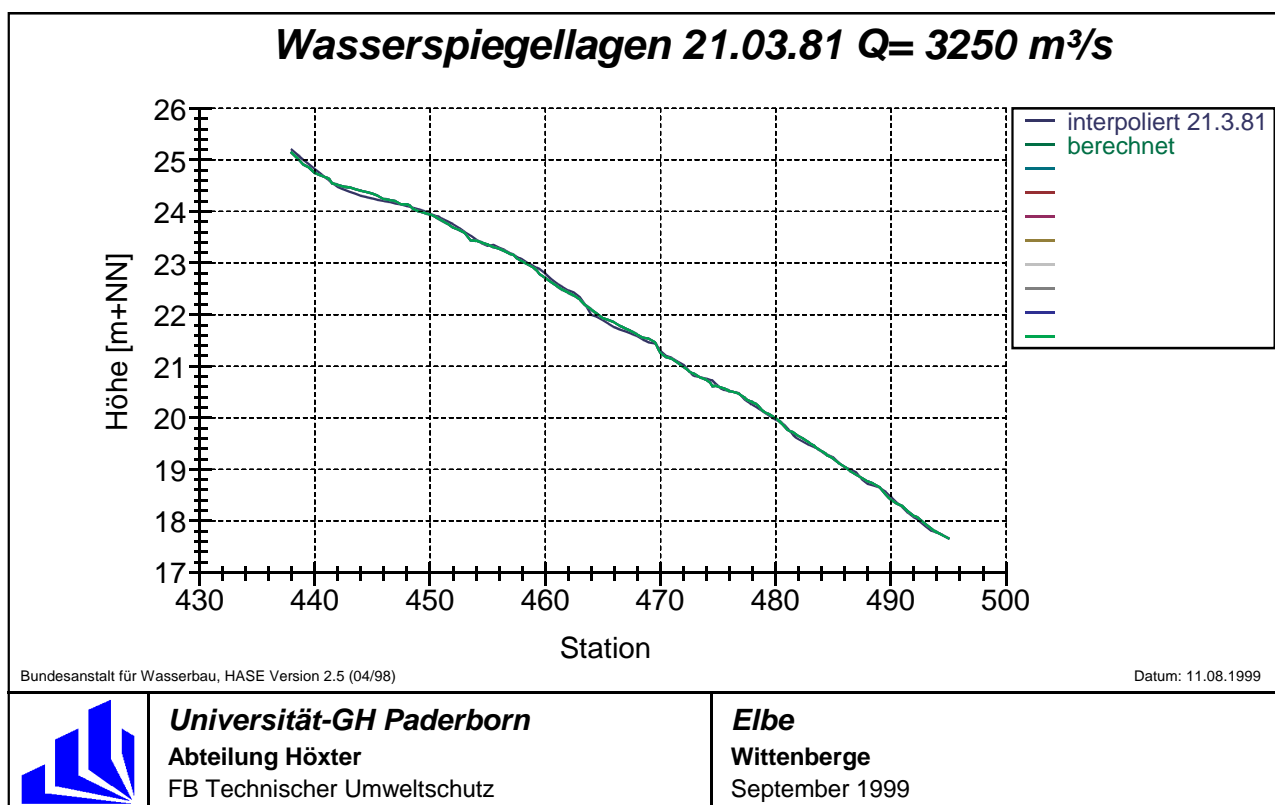


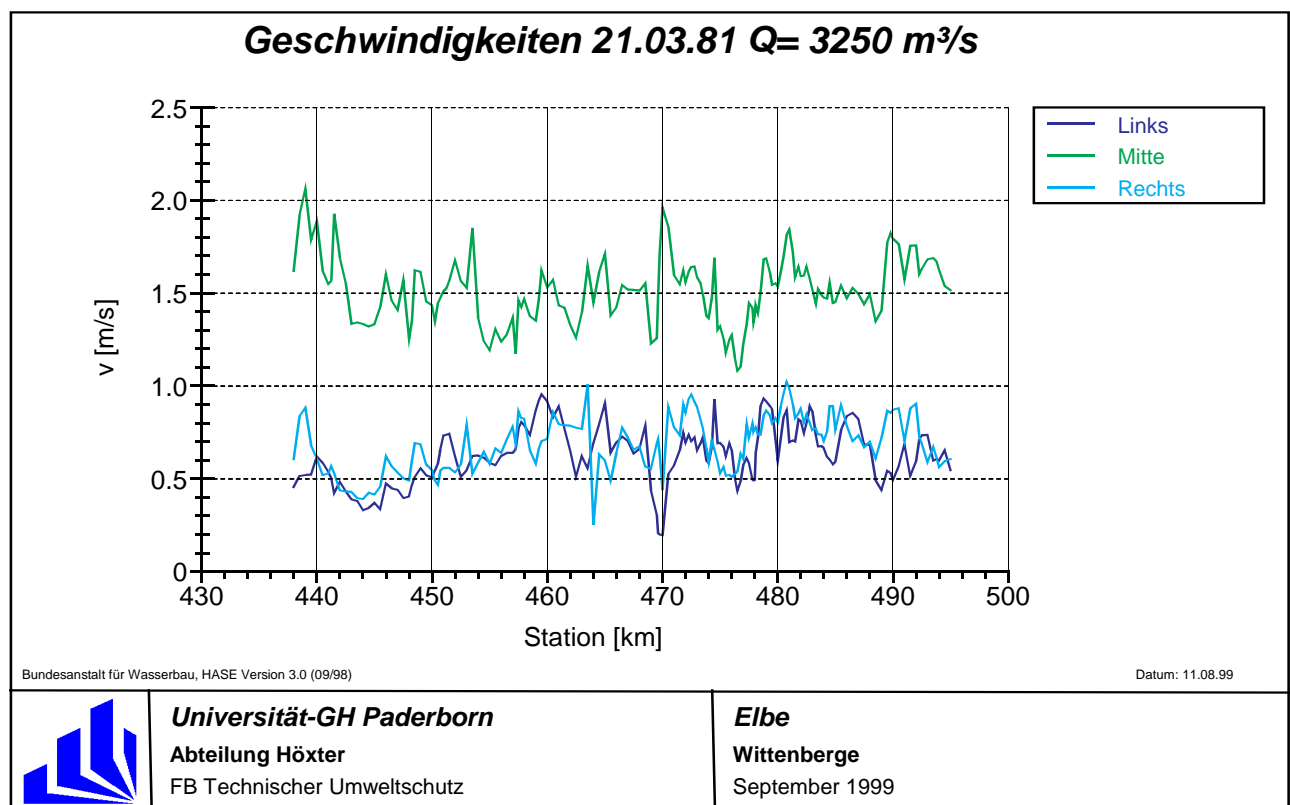
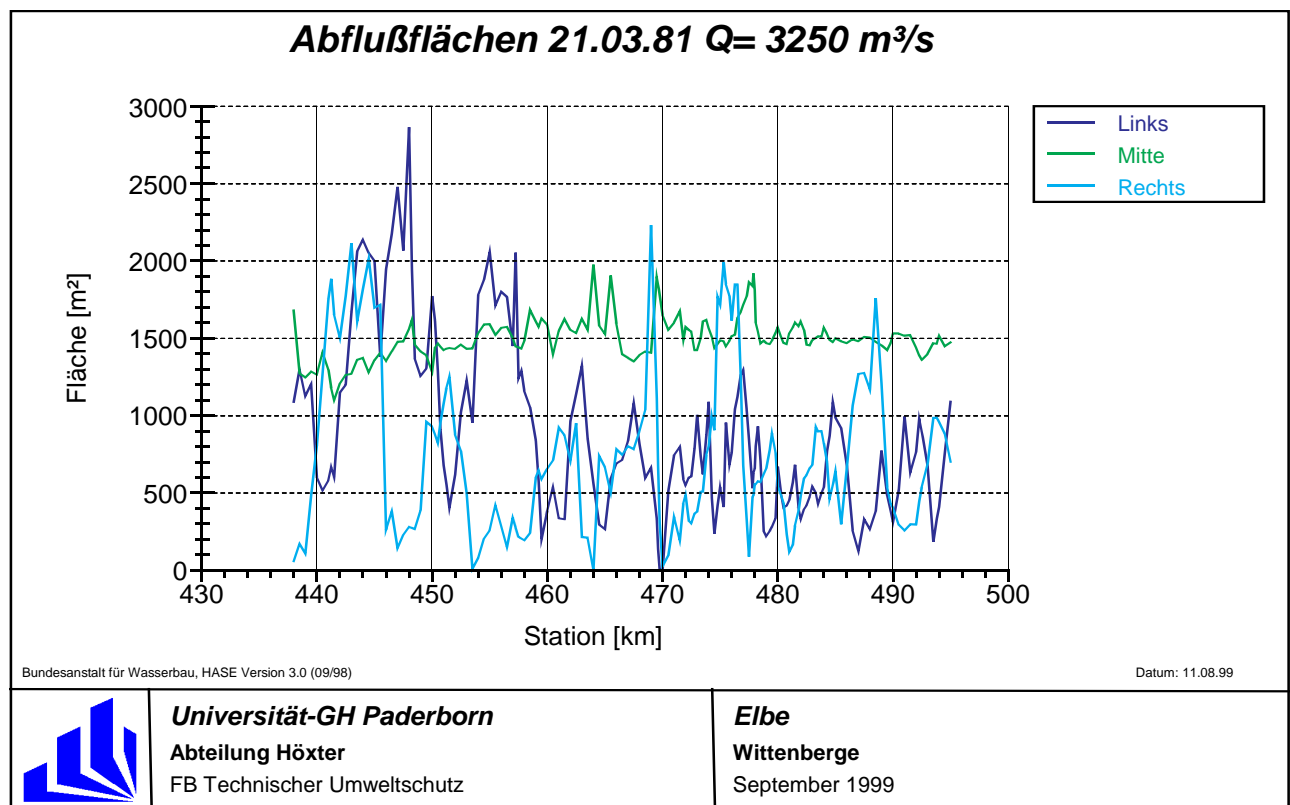


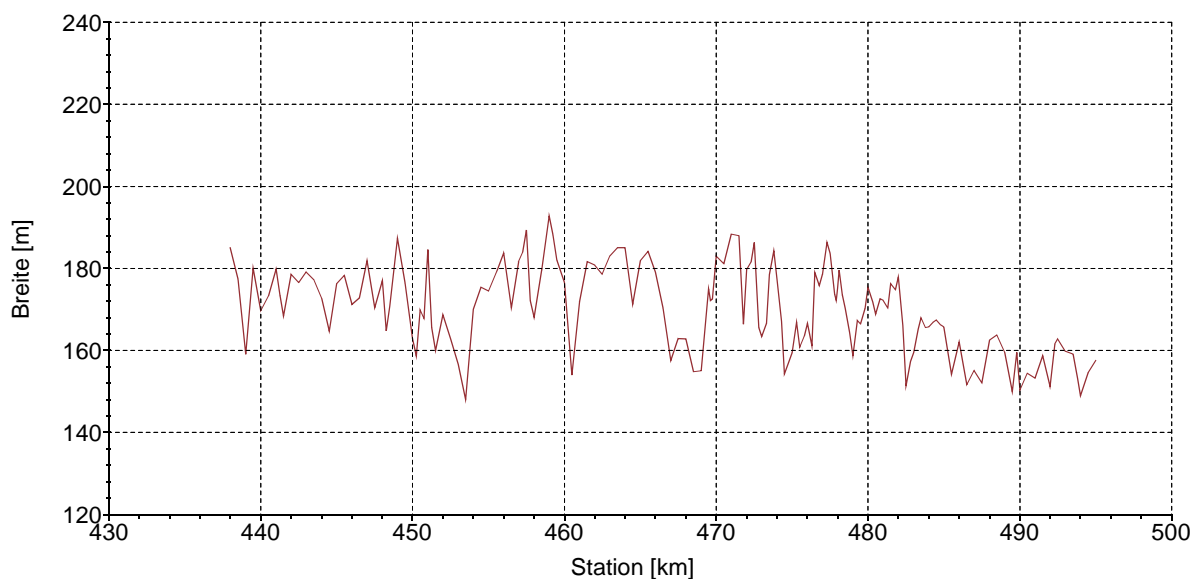










Wittenberge - Breite der beweglichen Sohle

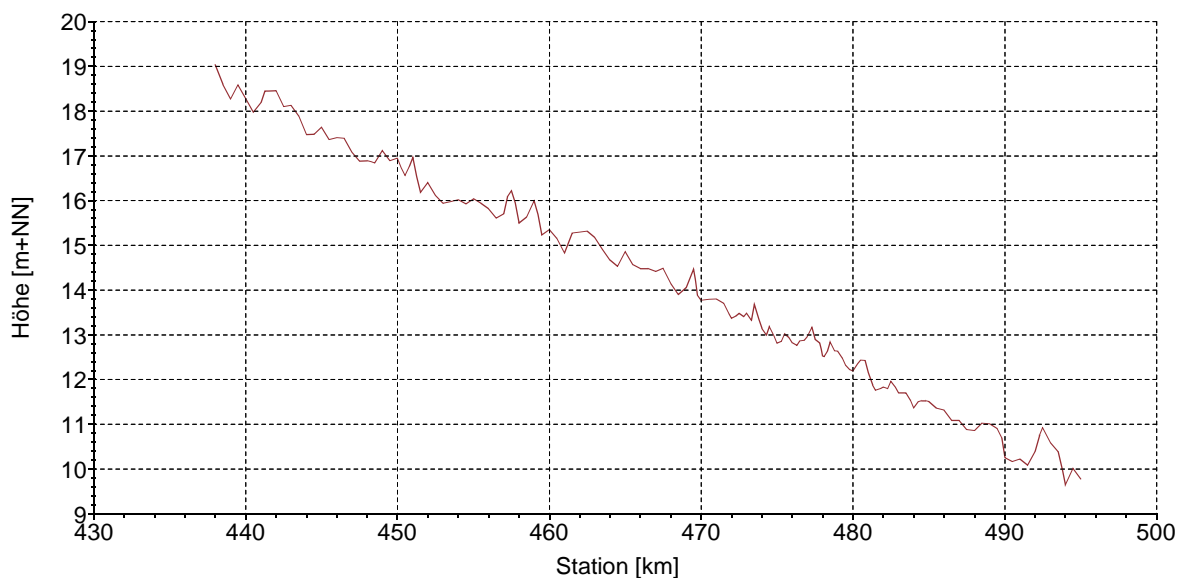
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

Datum: 12.08.99



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Wittenberge - Mittlere Höhe der beweglichen Sohle

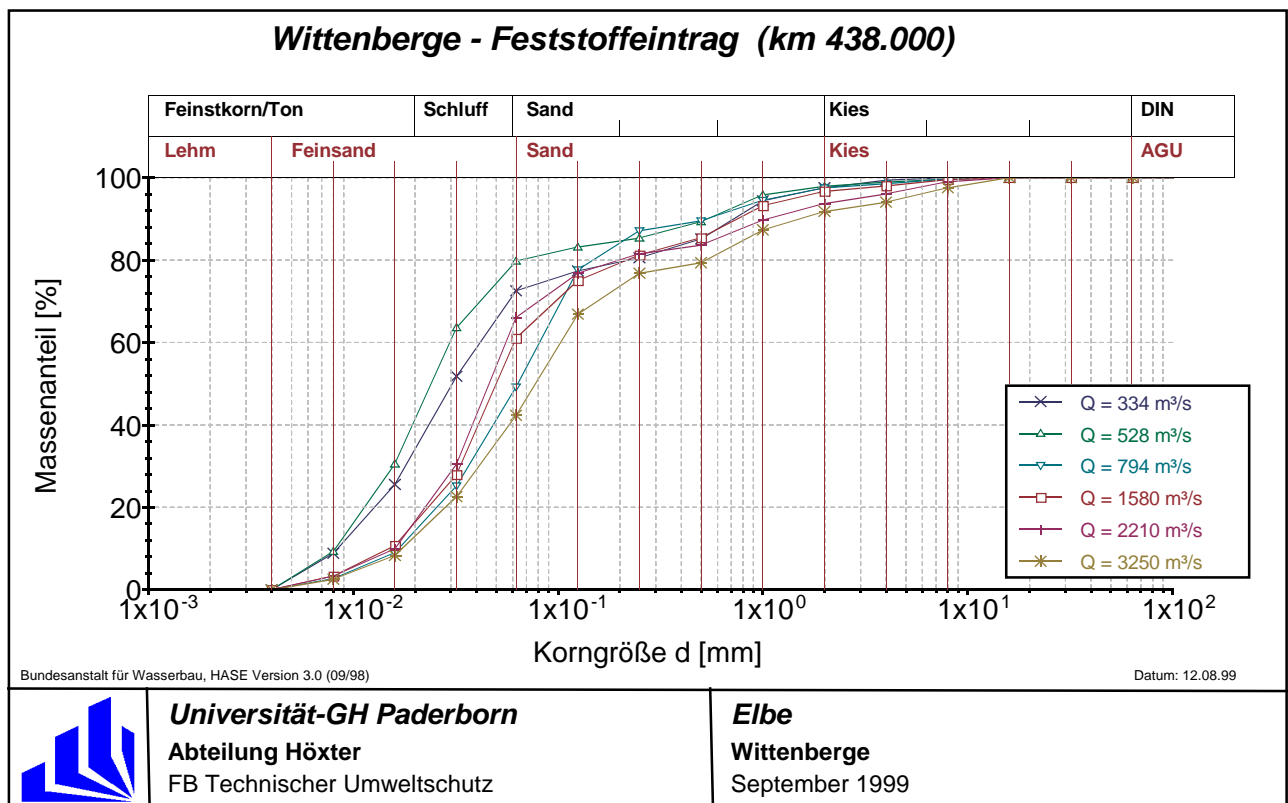
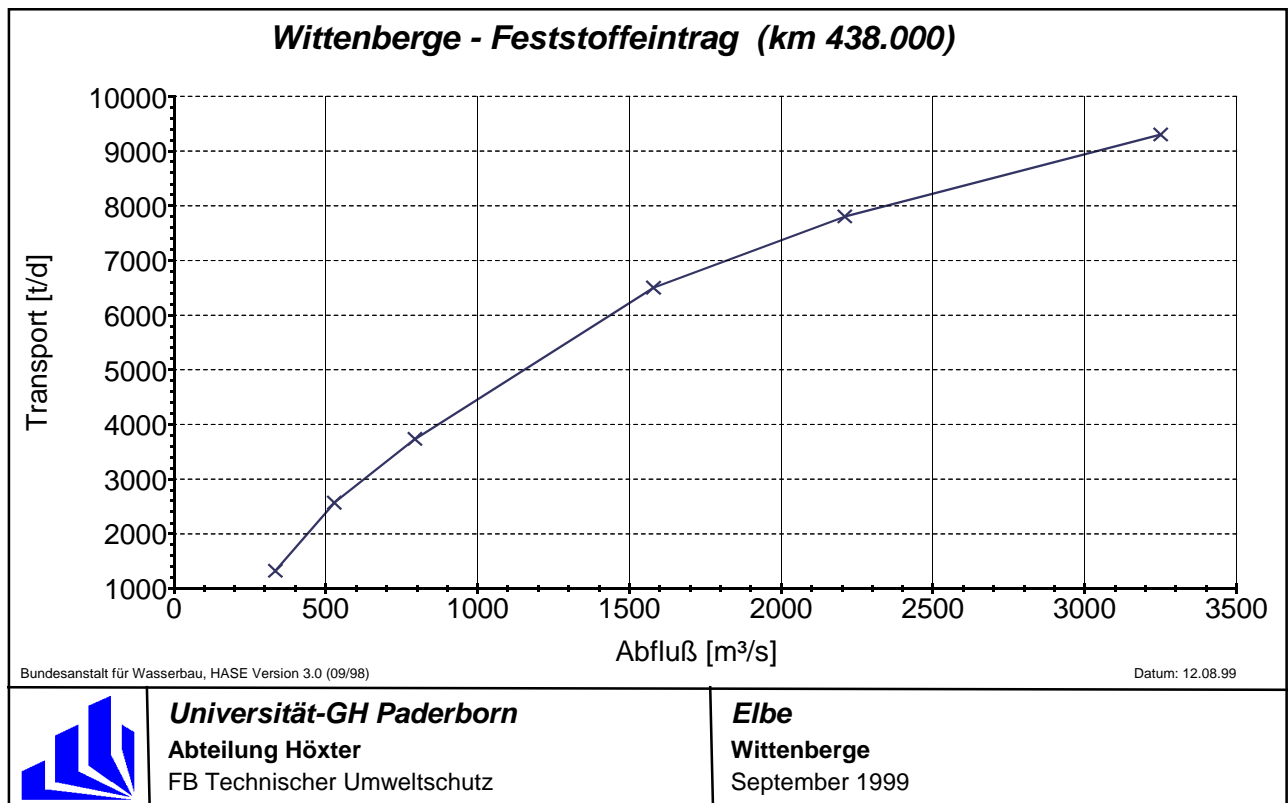
Bundesanstalt für Wasserbau, HASE Version 3.0 (09/98)

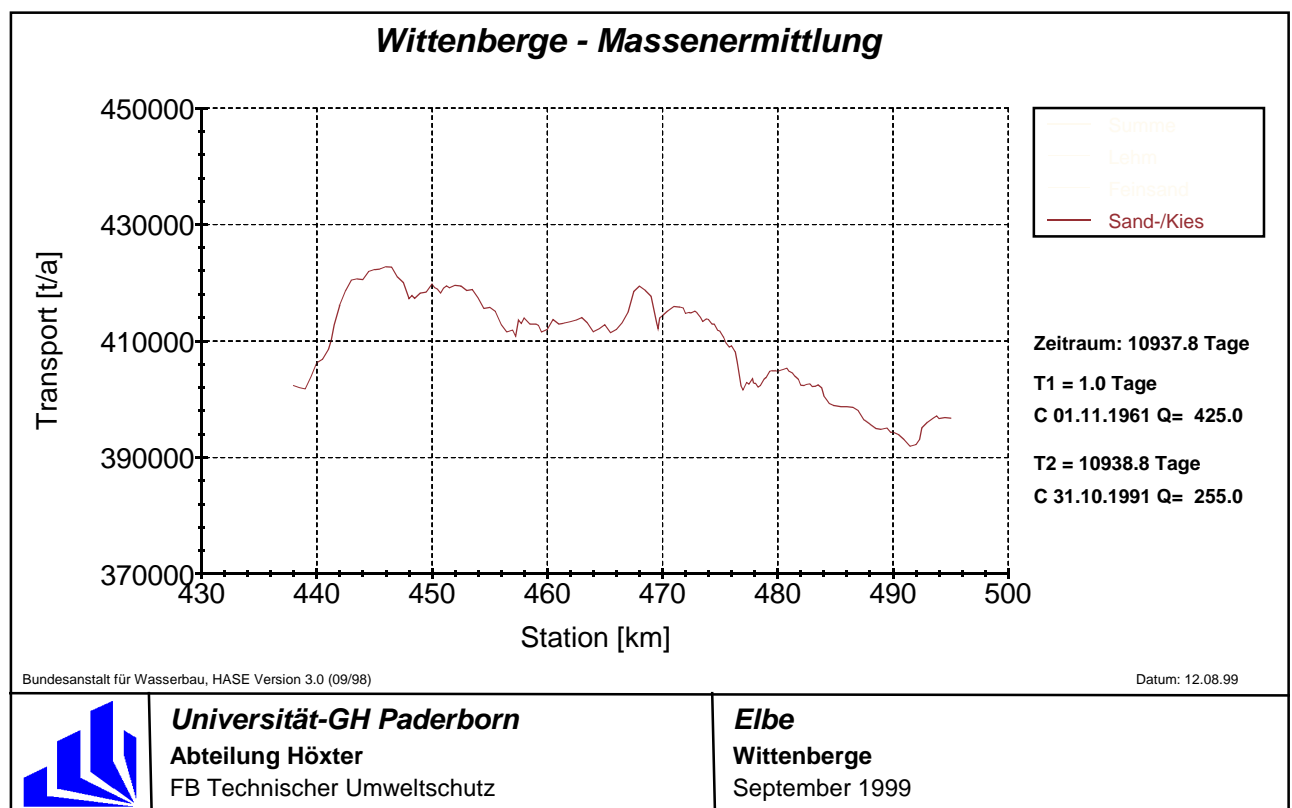
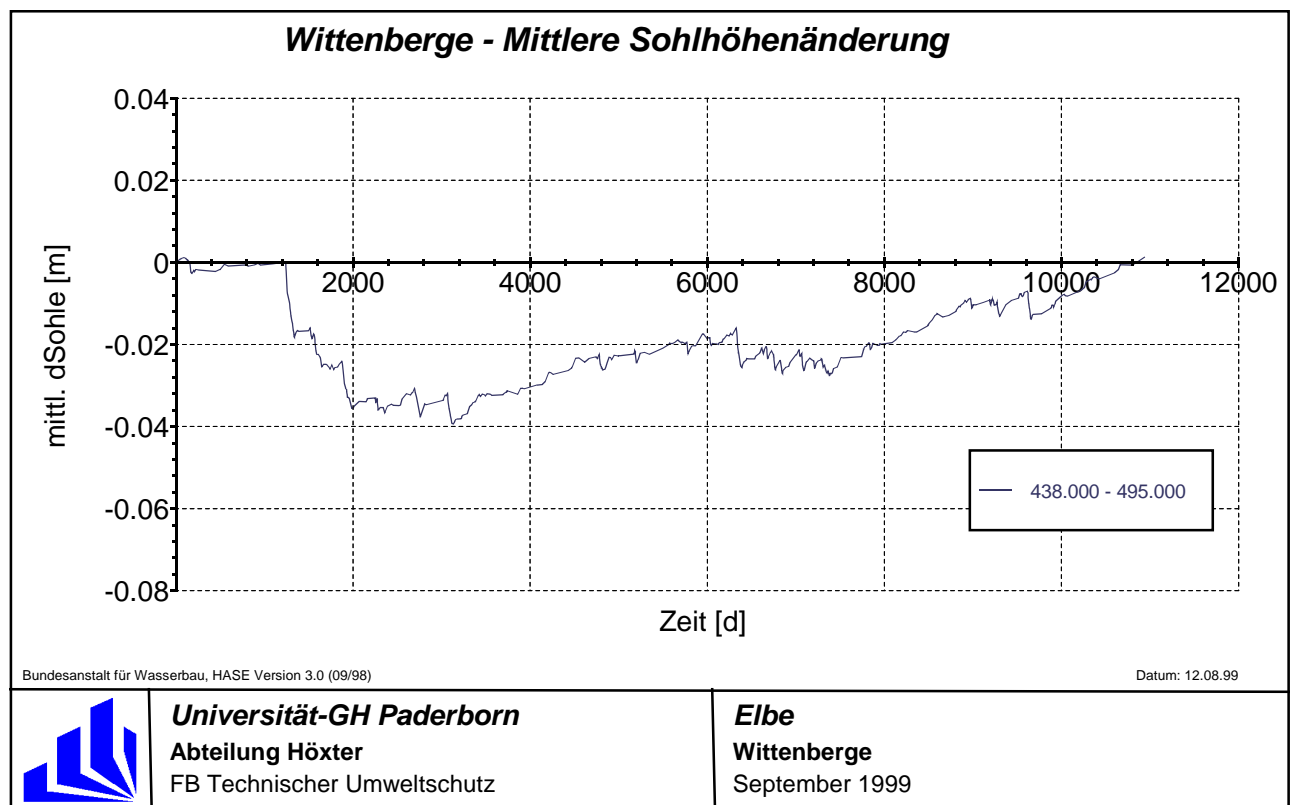
Datum: 12.08.99

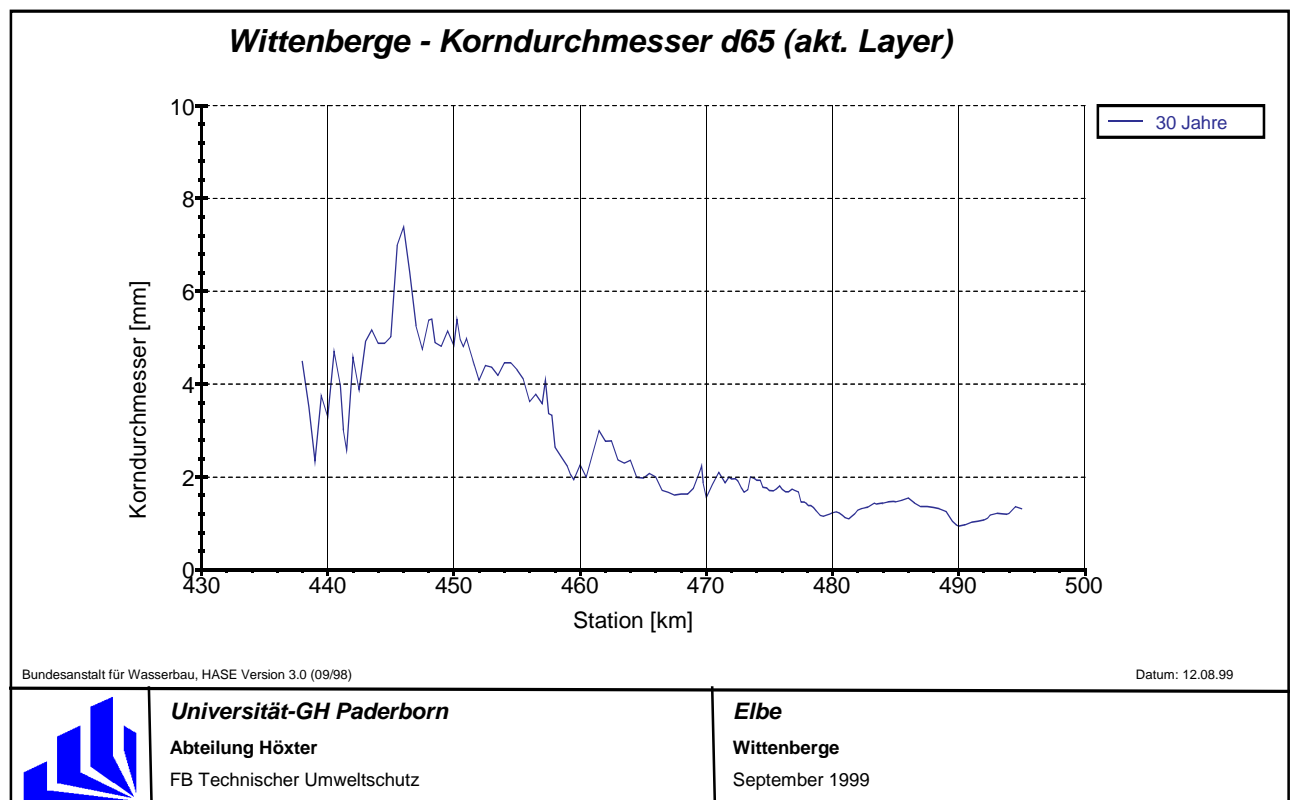
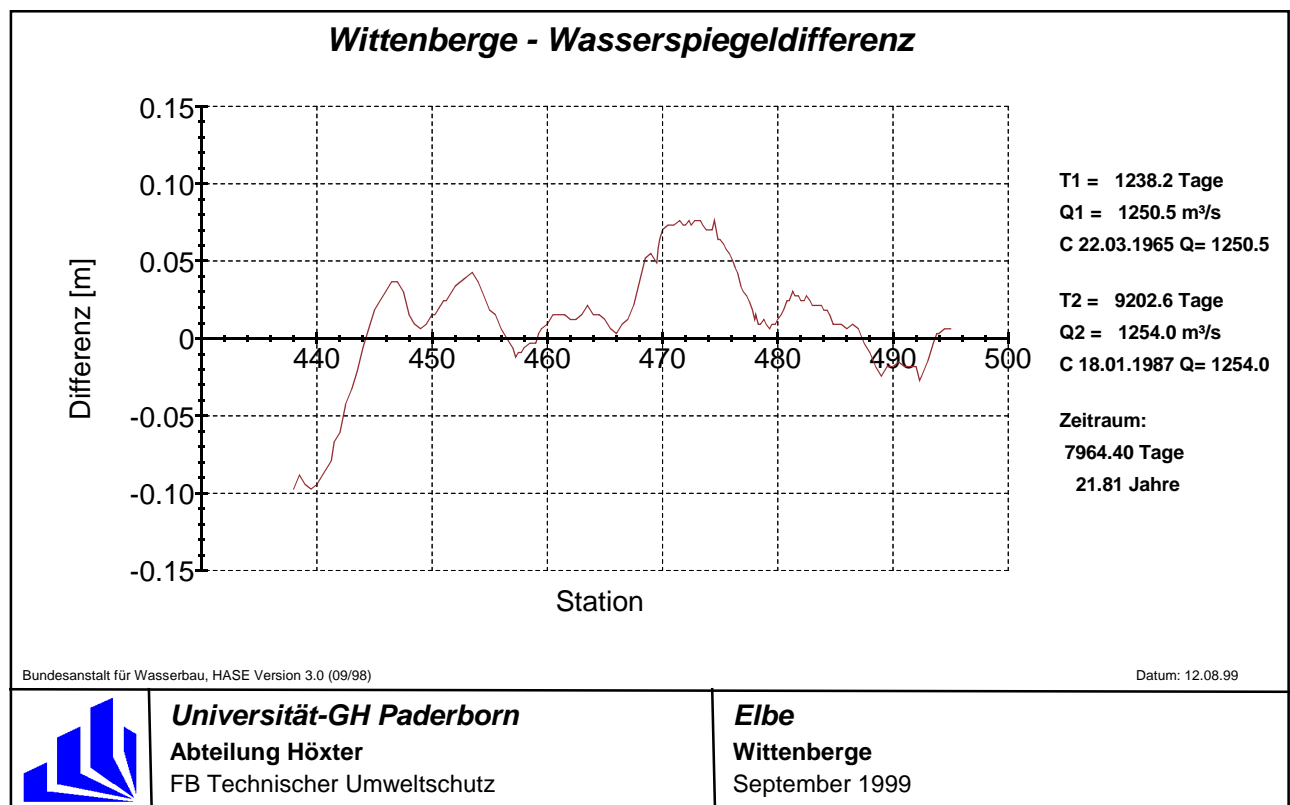


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Wittenberge
September 1999







Anlage IX

Teilaufbereitete Streckenabschnitte

(nur gedruckte Version)