

RS4	0.9
RS1	1.0
RS2	0.4
RS3	0.4



33.0248.001

09.01.10/bade

Geotechnisches Institut

Seestrasse 7, 3700 Spiez

Tel. 033 / 650 72 80
Fax 033 / 650 72 88

Info.sp@geo-online.com
www.geo-online.com

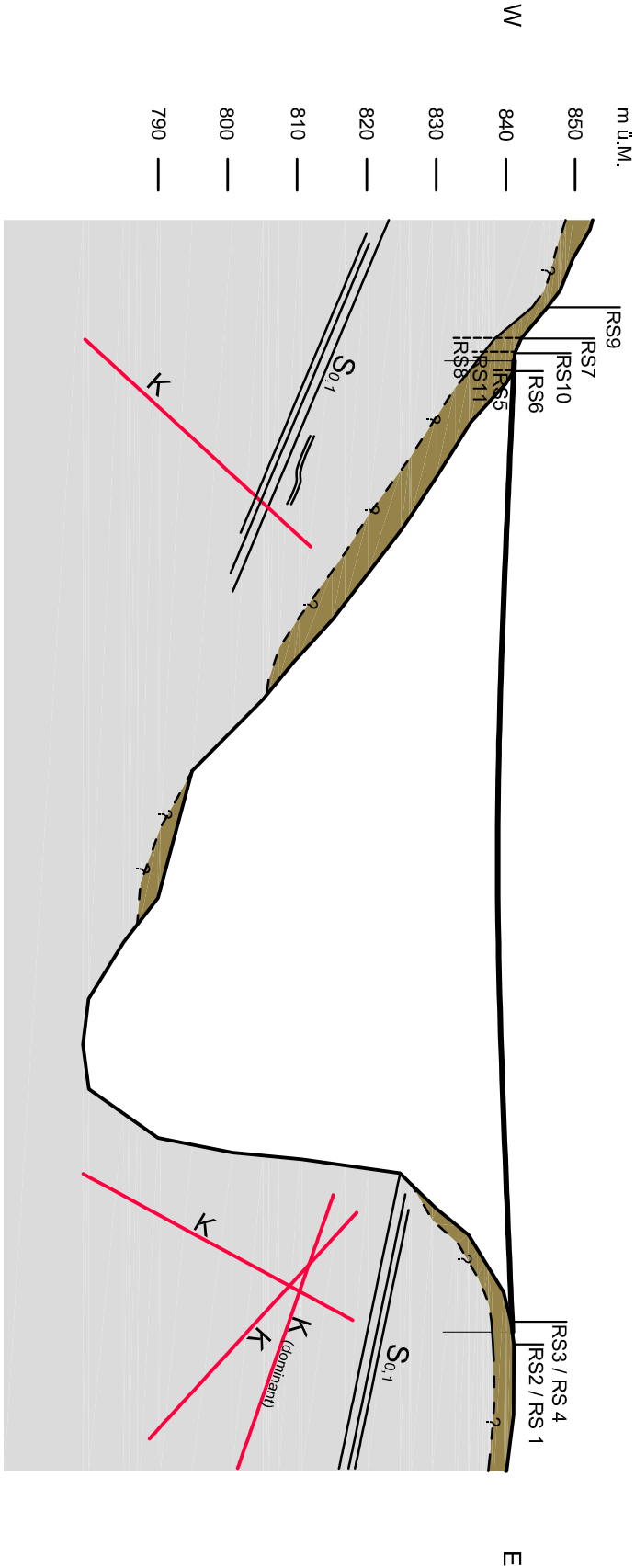
Hängebrücke Spissibach Geologisches Profil

Situation M 1 : 1'000

k:\Projekte\133\248 Hängebrücken Thunersee\6_Bericht

Legende

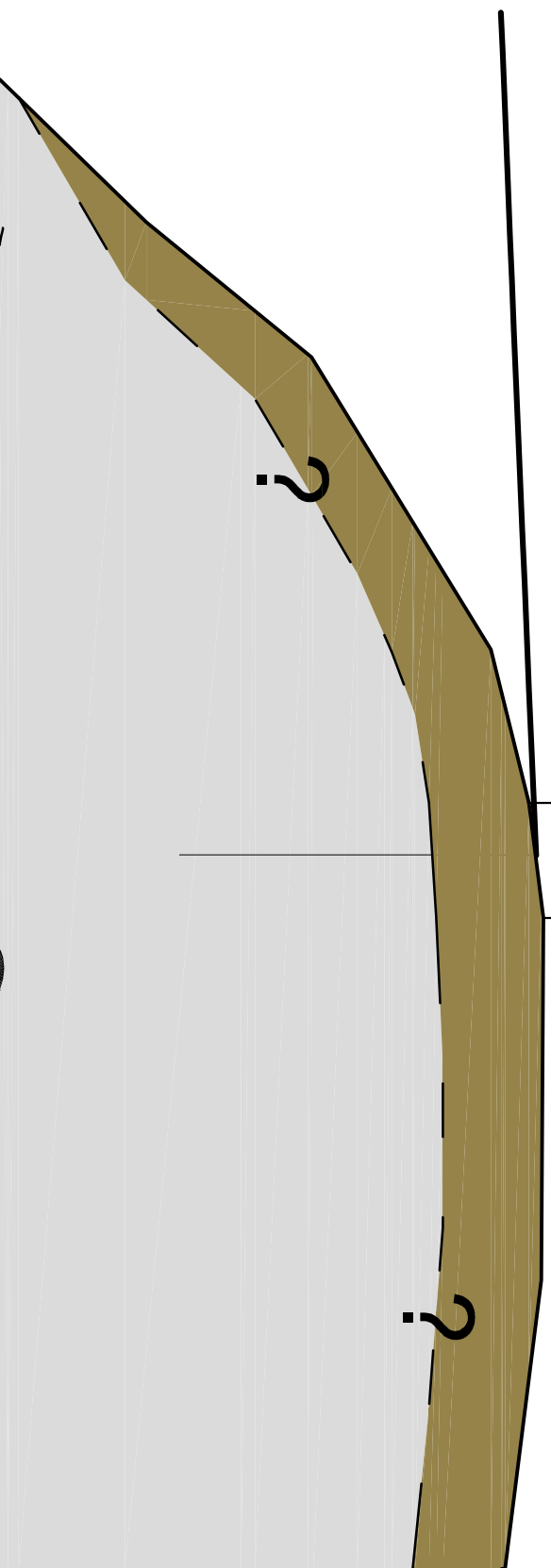
- Moräne
- Flysch
- Schichtung, Schieferung
- Klüftung



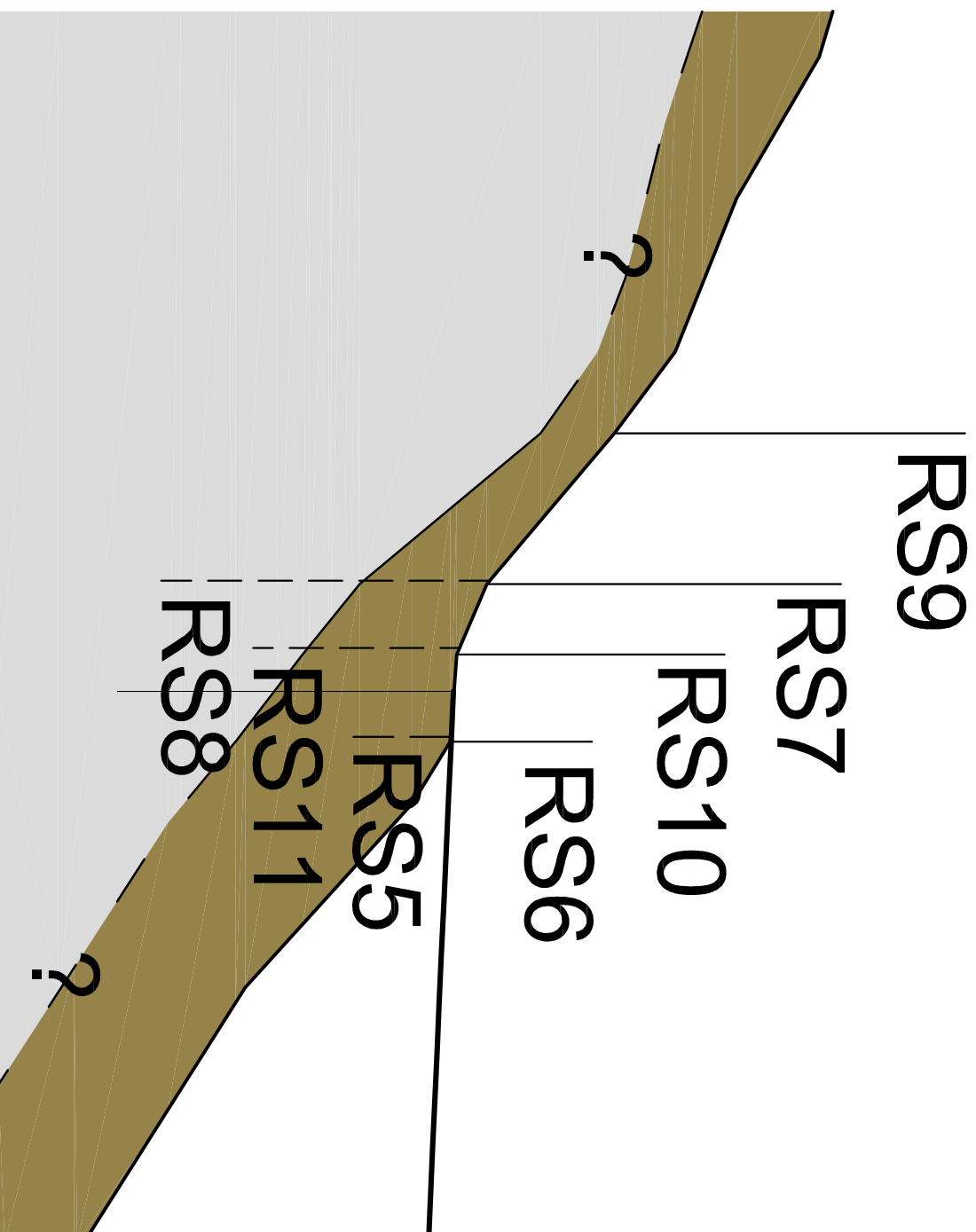
M 1:20

RS3 / RS 4

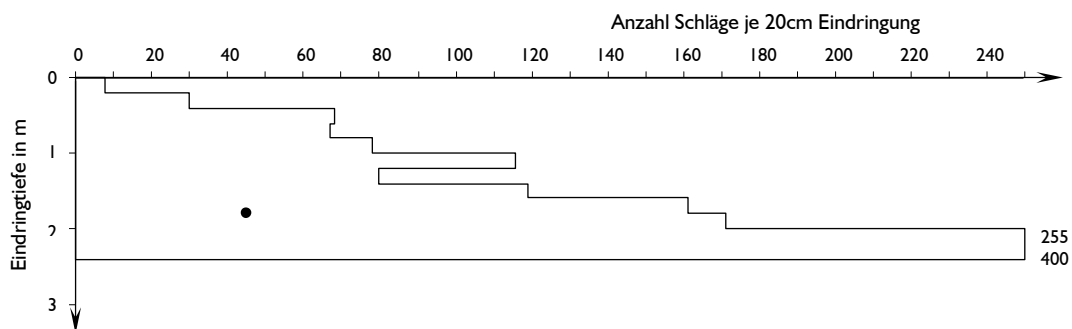
RS2 / RS 1



M 1:20



Rammsondierung RSI			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	Massstab: 1:100	
Polier:	M. Lengacher		
Ausführungsdatum:	28.05.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Mittelschwere Rammsondierung

Gewicht: 30kg

Fallhöhe: 20cm

Spitzenquerschnitt: 10cm²

Endtiefe:

2.32 m

Bemerkungen:

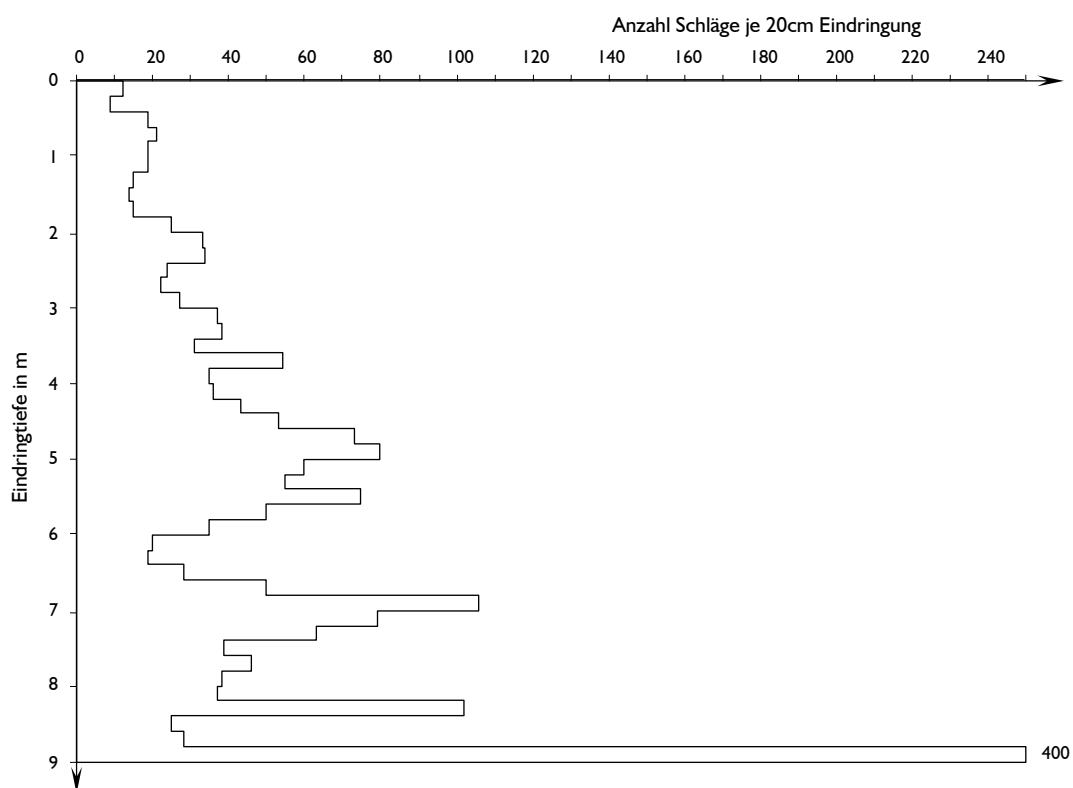
Knirschen beim Herausziehen

Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm

Rammsondierung RS2				Beilage			
Bauherrschaft:		Kontrolle:	Datum Visum				
Sondierfirma: Geotechnisches Institut AG		Massstab: 1:100					
Polier: M. Lengacher							
Ausführungsdatum: 28.05.2010							
Koordinaten: /		Auftrags-Nr.: 33.0248.001					
Höhe in m ü.M.:		Auftrag: H'Brücke Thunersee					
<div><div><div><div><div>Anzahl Schläge je 20cm Eindringung</div><div>020406080100120140160180200220240</div></div><div><div>Eindringtiefe in m</div><div>01234</div></div></div><div><table><tr><td>317</td></tr><tr><td>421</td></tr><tr><td>440</td></tr></table></div></div></div>					317	421	440
317							
421							
440							
Mittelschwere Rammsondierung		Gewicht: 30kg	Fallhöhe: 20cm	Spitzenquerschnitt: 10cm ²			
		Endtiefe:	3.35	m			
Bemerkungen:							
Knirschen beim Herausziehen							
Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm							

Rammsondierung RS3			Beilage														
Bauherrschaft:		Kontrolle: Datum Visum															
Sondierfirma:	Geotechnisches Institut AG	<div>Masstab: 1:100</div>															
Polier:	M. Lengacher																
Ausführungsdatum:	28.05.2010																
Koordinaten:	/	Auftrags-Nr.:	33.0248.001														
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee														
<div> <table border="1"> <caption>Data from Rammsondierung Chart</caption> <thead> <tr> <th>Eindringtiefe (m)</th> <th>Anzahl Schläge je 20cm</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>~180</td> </tr> <tr> <td>1.0</td> <td>~175</td> </tr> <tr> <td>1.5</td> <td>~140</td> </tr> <tr> <td>2.0</td> <td>266</td> </tr> <tr> <td>2.5</td> <td>~220</td> </tr> <tr> <td>3.0</td> <td>400</td> </tr> </tbody> </table> </div>				Eindringtiefe (m)	Anzahl Schläge je 20cm	0.5	~180	1.0	~175	1.5	~140	2.0	266	2.5	~220	3.0	400
Eindringtiefe (m)	Anzahl Schläge je 20cm																
0.5	~180																
1.0	~175																
1.5	~140																
2.0	266																
2.5	~220																
3.0	400																
Mittelschwere Rammsondierung		Gewicht: 30kg Endtiefe: 2.93 m	Fallhöhe: 20cm Spitzenquerschnitt: 10cm ²														
Bemerkungen: Knirschen beim Herausziehen Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm																	

Rammsondierung RS5			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG		
Polier:	M. Lengacher		
Ausführungsdatum:	28.05.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Mittelschwere Rammsondierung

Gewicht: 30kg

Fallhöhe: 20cm

Spitzenquerschnitt: 10cm²

Endtiefe:

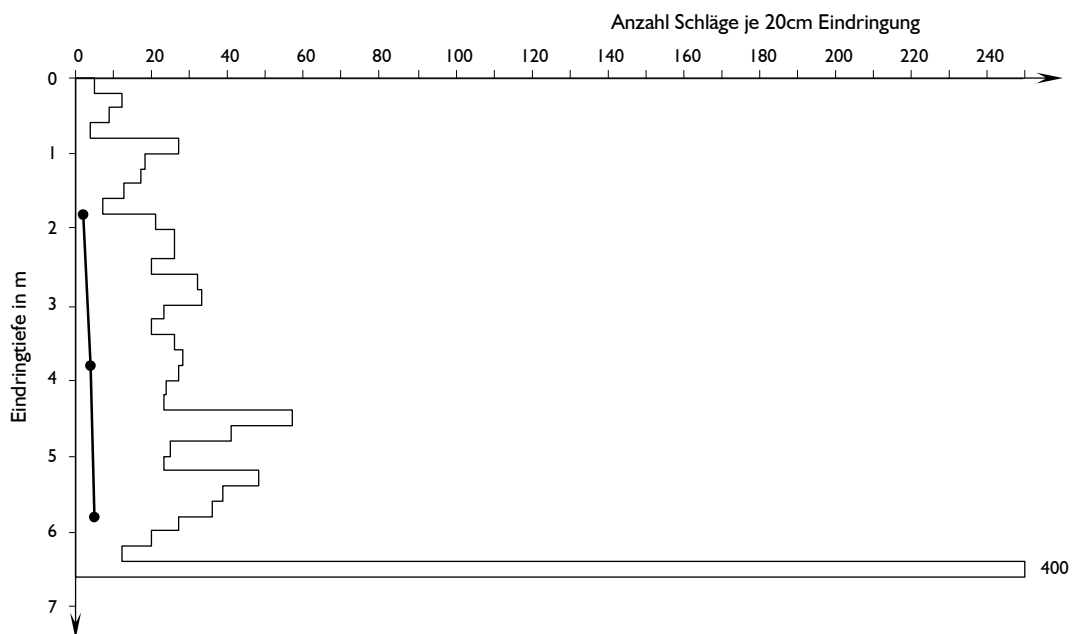
8.96 m

Bemerkungen:

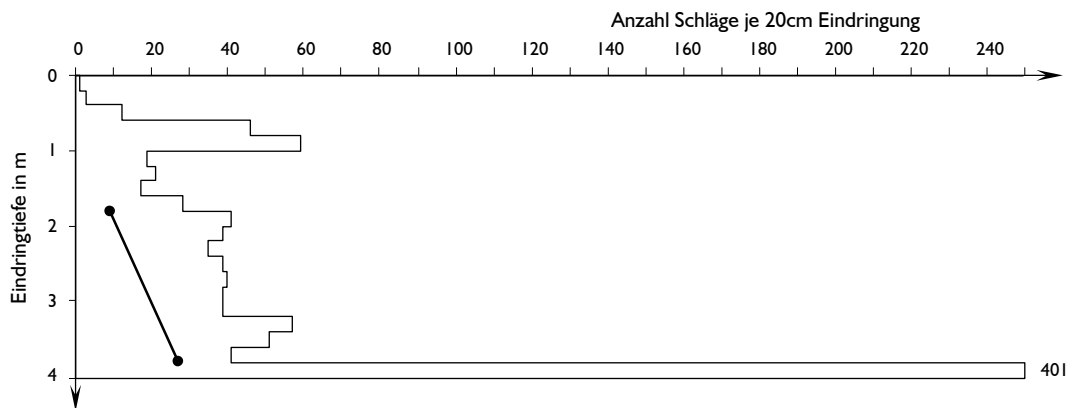
Knirschen beim Herausziehen

Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm

Rammsondierung RS6			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	Massstab: 1:100	
Polier:	M. Lengacher		
Ausführungsdatum:	28.05.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Rammsondierung RS7			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	Massstab: 1:100	
Polier:	P. Kuhn		
Ausführungsdatum:	03.06.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Mittelschwere Rammsondierung

Gewicht: 30kg

Fallhöhe: 20cm

Spitzenquerschnitt: 10cm²

Endtiefe:

3.99 m

Bemerkungen:

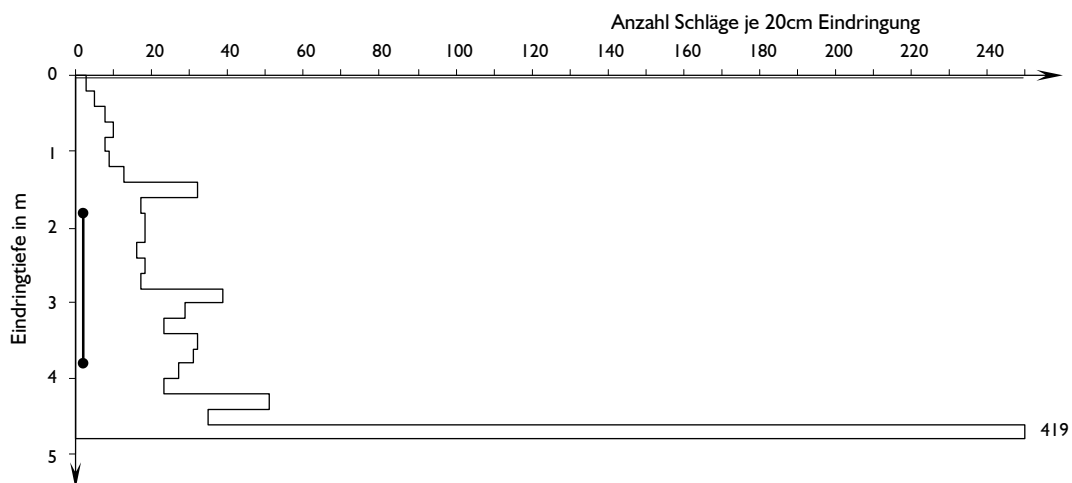
Knirschen beim Herausziehen

Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm

Rammsondierung RS8			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	<div>Masstab: 1:100</div>	
Polier:	P. Kuhn		
Ausführungsdatum:	03.06.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee
<div> </div>			
Mittelschwere Rammsondierung		Gewicht: 30kg Endtiefe:	Fallhöhe: 20cm 2.61 m Spitzenquerschnitt: 10cm ²
Bemerkungen: Knirschen beim Herausziehen Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm			

Rammsondierung RS9			Beilage																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Bauherrschaft:		Kontrolle: Datum Visum																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Sondierfirma:	Geotechnisches Institut AG	<div>Masstab: 1:100</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Polier:	P. Kuhn																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Ausführungsdatum:	03.06.2010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
<div> <table border="1"> <caption>Data points from Rammsondierung RS9 graph</caption> <thead> <tr> <th>Eindringtiefe in m</th> <th>Anzahl Schläge je 20cm Eindringung</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>0</td></tr> <tr><td>0.2</td><td>10</td></tr> <tr><td>0.4</td><td>15</td></tr> <tr><td>0.6</td><td>20</td></tr> <tr><td>0.8</td><td>25</td></tr> <tr><td>1.0</td><td>30</td></tr> <tr><td>1.2</td><td>35</td></tr> <tr><td>1.4</td><td>40</td></tr> <tr><td>1.6</td><td>50</td></tr> <tr><td>1.8</td><td>60</td></tr> <tr><td>2.0</td><td>70</td></tr> <tr><td>2.2</td><td>80</td></tr> <tr><td>2.4</td><td>90</td></tr> <tr><td>2.6</td><td>100</td></tr> <tr><td>2.8</td><td>110</td></tr> <tr><td>3.0</td><td>120</td></tr> <tr><td>3.2</td><td>130</td></tr> <tr><td>3.4</td><td>140</td></tr> <tr><td>3.6</td><td>150</td></tr> <tr><td>3.8</td><td>160</td></tr> <tr><td>4.0</td><td>170</td></tr> <tr><td>4.2</td><td>180</td></tr> <tr><td>4.4</td><td>190</td></tr> <tr><td>4.6</td><td>200</td></tr> <tr><td>4.8</td><td>210</td></tr> <tr><td>5.0</td><td>220</td></tr> <tr><td>5.2</td><td>230</td></tr> <tr><td>5.4</td><td>240</td></tr> <tr><td>5.6</td><td>250</td></tr> <tr><td>5.8</td><td>260</td></tr> <tr><td>6.0</td><td>270</td></tr> <tr><td>6.2</td><td>280</td></tr> <tr><td>6.4</td><td>290</td></tr> <tr><td>6.6</td><td>300</td></tr> <tr><td>6.8</td><td>310</td></tr> <tr><td>7.0</td><td>320</td></tr> <tr><td>7.2</td><td>330</td></tr> <tr><td>7.4</td><td>340</td></tr> <tr><td>7.6</td><td>350</td></tr> <tr><td>7.8</td><td>360</td></tr> <tr><td>8.0</td><td>370</td></tr> <tr><td>8.2</td><td>380</td></tr> <tr><td>8.4</td><td>390</td></tr> <tr><td>8.6</td><td>400</td></tr> <tr><td>8.8</td><td>410</td></tr> <tr><td>9.0</td><td>420</td></tr> <tr><td>9.2</td><td>430</td></tr> <tr><td>9.4</td><td>440</td></tr> <tr><td>9.6</td><td>450</td></tr> <tr><td>9.8</td><td>460</td></tr> <tr><td>10.0</td><td>470</td></tr> <tr><td>10.2</td><td>480</td></tr> <tr><td>10.4</td><td>490</td></tr> <tr><td>10.6</td><td>500</td></tr> <tr><td>10.8</td><td>510</td></tr> <tr><td>11.0</td><td>520</td></tr> <tr><td>11.2</td><td>530</td></tr> <tr><td>11.4</td><td>540</td></tr> <tr><td>11.6</td><td>550</td></tr> <tr><td>11.8</td><td>560</td></tr> <tr><td>12.0</td><td>570</td></tr> <tr><td>12.2</td><td>580</td></tr> <tr><td>12.4</td><td>590</td></tr> <tr><td>12.6</td><td>600</td></tr> <tr><td>12.8</td><td>610</td></tr> <tr><td>13.0</td><td>620</td></tr> <tr><td>13.2</td><td>630</td></tr> <tr><td>13.4</td><td>640</td></tr> <tr><td>13.6</td><td>650</td></tr> <tr><td>13.8</td><td>660</td></tr> <tr><td>14.0</td><td>670</td></tr> <tr><td>14.2</td><td>680</td></tr> <tr><td>14.4</td><td>690</td></tr> <tr><td>14.6</td><td>700</td></tr> <tr><td>14.8</td><td>710</td></tr> <tr><td>15.0</td><td>720</td></tr> <tr><td>15.2</td><td>730</td></tr> <tr><td>15.4</td><td>740</td></tr> <tr><td>15.6</td><td>750</td></tr> <tr><td>15.8</td><td>760</td></tr> <tr><td>16.0</td><td>770</td></tr> <tr><td>16.2</td><td>780</td></tr> <tr><td>16.4</td><td>790</td></tr> <tr><td>16.6</td><td>800</td></tr> <tr><td>16.8</td><td>810</td></tr> <tr><td>17.0</td><td>820</td></tr> <tr><td>17.2</td><td>830</td></tr> <tr><td>17.4</td><td>840</td></tr> <tr><td>17.6</td><td>850</td></tr> <tr><td>17.8</td><td>860</td></tr> <tr><td>18.0</td><td>870</td></tr> <tr><td>18.2</td><td>880</td></tr> <tr><td>18.4</td><td>890</td></tr> <tr><td>18.6</td><td>900</td></tr> <tr><td>18.8</td><td>910</td></tr> <tr><td>19.0</td><td>920</td></tr> <tr><td>19.2</td><td>930</td></tr> <tr><td>19.4</td><td>940</td></tr> <tr><td>19.6</td><td>950</td></tr> <tr><td>19.8</td><td>960</td></tr> <tr><td>20.0</td><td>970</td></tr> <tr><td>20.2</td><td>980</td></tr> <tr><td>20.4</td><td>990</td></tr> <tr><td>20.6</td><td>1000</td></tr> <tr><td>20.8</td><td>1010</td></tr> <tr><td>21.0</td><td>1020</td></tr> <tr><td>21.2</td><td>1030</td></tr> <tr><td>21.4</td><td>1040</td></tr> <tr><td>21.6</td><td>1050</td></tr> <tr><td>21.8</td><td>1060</td></tr> <tr><td>22.0</td><td>1070</td></tr> <tr><td>22.2</td><td>1080</td></tr> <tr><td>22.4</td><td>1090</td></tr> <tr><td>22.6</td><td>1100</td></tr> <tr><td>22.8</td><td>1110</td></tr> <tr><td>23.0</td><td>1120</td></tr> <tr><td>23.2</td><td>1130</td></tr> <tr><td>23.4</td><td>1140</td></tr> <tr><td>23.6</td><td>1150</td></tr> <tr><td>23.8</td><td>1160</td></tr> <tr><td>24.0</td><td>1170</td></tr> <tr><td>24.2</td><td>1180</td></tr> <tr><td>24.4</td><td>1190</td></tr> <tr><td>24.6</td><td>1200</td></tr> <tr><td>24.8</td><td>1210</td></tr> <tr><td>25.0</td><td>1220</td></tr> <tr><td>25.2</td><td>1230</td></tr> <tr><td>25.4</td><td>1240</td></tr> <tr><td>25.6</td><td>1250</td></tr> <tr><td>25.8</td><td>1260</td></tr> <tr><td>26.0</td><td>1270</td></tr> <tr><td>26.2</td><td>1280</td></tr> <tr><td>26.4</td><td>1290</td></tr> <tr><td>26.6</td><td>1300</td></tr> <tr><td>26.8</td><td>1310</td></tr> <tr><td>27.0</td><td>1320</td></tr> <tr><td>27.2</td><td>1330</td></tr> <tr><td>27.4</td><td>1340</td></tr> <tr><td>27.6</td><td>1350</td></tr> <tr><td>27.8</td><td>1360</td></tr> <tr><td>28.0</td><td>1370</td></tr> <tr><td>28.2</td><td>1380</td></tr> <tr><td>28.4</td><td>1390</td></tr> <tr><td>28.6</td><td>1400</td></tr> <tr><td>28.8</td><td>1410</td></tr> <tr><td>29.0</td><td>1420</td></tr> <tr><td>29.2</td><td>1430</td></tr> <tr><td>29.4</td><td>1440</td></tr> <tr><td>29.6</td><td>1450</td></tr> <tr><td>29.8</td><td>1460</td></tr> <tr><td>30.0</td><td>1470</td></tr> <tr><td>30.2</td><td>1480</td></tr> <tr><td>30.4</td><td>1490</td></tr> <tr><td>30.6</td><td>1500</td></tr> <tr><td>30.8</td><td>1510</td></tr> <tr><td>31.0</td><td>1520</td></tr> <tr><td>31.2</td><td>1530</td></tr> <tr><td>31.4</td><td>1540</td></tr> <tr><td>31.6</td><td>1550</td></tr> <tr><td>31.8</td><td>1560</td></tr> <tr><td>32.0</td><td>1570</td></tr> <tr><td>32.2</td><td>1580</td></tr> <tr><td>32.4</td><td>1590</td></tr> <tr><td>32.6</td><td>1600</td></tr> <tr><td>32.8</td><td>1610</td></tr> <tr><td>33.0</td><td>1620</td></tr> <tr><td>33.2</td><td>1630</td></tr> <tr><td>33.4</td><td>1640</td></tr> <tr><td>33.6</td><td>1650</td></tr> <tr><td>33.8</td><td>1660</td></tr> <tr><td>34.0</td><td>1670</td></tr> <tr><td>34.2</td><td>1680</td></tr> <tr><td>34.4</td><td>1690</td></tr> <tr><td>34.6</td><td>1700</td></tr> <tr><td>34.8</td><td>1710</td></tr> <tr><td>35.0</td><td>1720</td></tr> <tr><td>35.2</td><td>1730</td></tr> <tr><td>35.4</td><td>1740</td></tr> <tr><td>35.6</td><td>1750</td></tr> <tr><td>35.8</td><td>1760</td></tr> <tr><td>36.0</td><td>1770</td></tr> <tr><td>36.2</td><td>1780</td></tr> <tr><td>36.4</td><td>1790</td></tr> <tr><td>36.6</td><td>1800</td></tr> <tr><td>36.8</td><td>1810</td></tr> <tr><td>37.0</td><td>1820</td></tr> <tr><td>37.2</td><td>1830</td></tr> <tr><td>37.4</td><td>1840</td></tr> <tr><td>37.6</td><td>1850</td></tr> <tr><td>37.8</td><td>1860</td></tr> <tr><td>38.0</td><td>1870</td></tr> <tr><td>38.2</td><td>1880</td></tr> <tr><td>38.4</td><td>1890</td></tr> <tr><td>38.6</td><td>1900</td></tr> <tr><td>38.8</td><td>1910</td></tr> <tr><td>39.0</td><td>1920</td></tr> <tr><td>39.2</td><td>1930</td></tr> <tr><td>39.4</td><td>1940</td></tr> <tr><td>39.6</td><td>1950</td></tr> <tr><td>39.8</td><td>1960</td></tr> <tr><td>40.0</td><td>1970</td></tr> <tr><td>40.2</td><td>1980</td></tr> <tr><td>40.4</td><td>1990</td></tr> <tr><td>40.6</td><td>2000</td></tr> <tr><td>40.8</td><td>2010</td></tr> <tr><td>41.0</td><td>2020</td></tr> <tr><td>41.2</td><td>2030</td></tr> <tr><td>41.4</td><td>2040</td></tr> <tr><td>41.6</td><td>2050</td></tr> <tr><td>41.8</td><td>2060</td></tr> <tr><td>42.0</td><td>2070</td></tr> <tr><td>42.2</td><td>2080</td></tr> <tr><td>42.4</td><td>2090</td></tr> <tr><td>42.6</td><td>2100</td></tr> <tr><td>42.8</td><td>2110</td></tr> <tr><td>43.0</td><td>2120</td></tr> <tr><td>43.2</td><td>2130</td></tr> <tr><td>43.4</td><td>2140</td></tr> <tr><td>43.6</td><td>2150</td></tr> <tr><td>43.8</td><td>2160</td></tr> <tr><td>44.0</td><td>2170</td></tr> <tr><td>44.2</td><td>2180</td></tr> <tr><td>44.4</td><td>2190</td></tr> <tr><td>44.6</td><td>2200</td></tr> <tr><td>44.8</td><td>2210</td></tr> <tr><td>45.0</td><td>2220</td></tr> <tr><td>45.2</td><td>2230</td></tr> <tr><td>45.4</td><td>2240</td></tr> <tr><td>45.6</td><td>2250</td></tr> <tr><td>45.8</td><td>2260</td></tr> <tr><td>46.0</td><td>2270</td></tr> <tr><td>46.2</td><td>2280</td></tr> <tr><td>46.4</td><td>2290</td></tr> <tr><td>46.6</td><td>2300</td></tr> <tr><td>46.8</td><td>2310</td></tr> <tr><td>47.0</td><td>2320</td></tr> <tr><td>47.2</td><td>2330</td></tr> <tr><td>47.4</td><td>2340</td></tr> <tr><td>47.6</td><td>2350</td></tr> <tr><td>47.8</td><td>2360</td></tr> <tr><td>48.0</td><td>2370</td></tr> <tr><td>48.2</td><td>2380</td></tr> <tr><td>48.4</td><td>2390</td></tr> <tr><td>48.6</td><td>2400</td></tr> <tr><td>48.8</td><td>2410</td></tr> <tr><td>49.0</td><td>2420</td></tr> <tr><td>49.2</td><td>2430</td></tr> <tr><td>49.4</td><td>2440</td></tr> <tr><td>49.6</td><td>2450</td></tr> <tr><td>49.8</td><td>2460</td></tr> <tr><td>50.0</td><td>2470</td></tr> <tr><td>50.2</td><td>2480</td></tr> <tr><td>50.4</td><td>2490</td></tr> <tr><td>50.6</td><td>2500</td></tr> <tr><td>50.8</td><td>2510</td></tr> <tr><td>51.0</td><td>2520</td></tr> <tr><td>51.2</td><td>2530</td></tr> <tr><td>51.4</td><td>2540</td></tr> <tr><td>51.6</td><td>2550</td></tr> <tr><td>51.8</td><td>2560</td></tr> <tr><td>52.0</td><td>2570</td></tr> <tr><td>52.2</td><td>2580</td></tr> <tr><td>52.4</td><td>2590</td></tr> <tr><td>52.6</td><td>2600</td></tr> <tr><td>52.8</td><td>2610</td></tr> <tr><td>53.0</td><td>2620</td></tr> <tr><td>53.2</td><td>2630</td></tr> <tr><td>53.4</td><td>2640</td></tr> <tr><td>53.6</td><td>2650</td></tr> <tr><td>53.8</td><td>2660</td></tr> <tr><td>54.0</td><td>2670</td></tr> <tr><td>54.2</td><td>2680</td></tr> <tr><td>54.4</td><td>2690</td></tr> <tr><td>54.6</td><td>2700</td></tr> <tr><td>54.8</td><td>2710</td></tr> <tr><td>55.0</td><td>2720</td></tr> <tr><td>55.2</td><td>2730</td></tr> <tr><td>55.4</td><td>2740</td></tr> <tr><td>55.6</td><td>2750</td></tr> <tr><td>55.8</td><td>2760</td></tr> <tr><td>56.0</td><td>2770</td></tr> <tr><td>56.2</td><td>2780</td></tr> <tr><td>56.4</td><td>2790</td></tr> <tr><td>56.6</td><td>2800</td></tr> <tr><td>56.8</td><td>2810</td></tr> <tr><td>57.0</td><td>2820</td></tr> <tr><td>57.2</td><td>2830</td></tr> <tr><td>57.4</td><td>2840</td></tr> <tr><td>57.6</td><td>2850</td></tr> <tr><td>57.8</td><td>2860</td></tr> <tr><td>58.0</td><td>2870</td></tr> <tr><td>58.2</td><td>2880</td></tr> <tr><td>58.4</td><td>2890</td></tr> <tr><td>58.6</td><td>2900</td></tr> <tr><td>58.8</td><td>2910</td></tr> <tr><td>59.0</td><td>2920</td></tr> <tr><td>59.2</td><td>2930</td></tr> <tr><td>59.4</td><td>2940</td></tr> <tr><td>59.6</td><td>2950</td></tr> <tr><td>59.8</td><td>2960</td></tr> <tr><td>60.0</td><td>2970</td></tr> <tr><td>60.2</td><td>2980</td></tr> <tr><td>60.4</td><td>2990</td></tr> <tr><td>60.6</td><td>3000</td></tr> <tr><td>60.8</td><td>3010</td></tr> <tr><td>61.0</td><td>3020</td></tr> <tr><td>61.2</td><td>3030</td></tr> <tr><td>61.4</td><td>3040</td></tr> <tr><td>61.6</td><td>3050</td></tr> <tr><td>61.8</td><td>3060</td></tr> <tr><td>62.0</td><td>3070</td></tr> <tr><td>62.2</td><td>3080</td></tr> <tr><td>62.4</td><td>3090</td></tr> <tr><td>62.6</td><td>3100</td></tr> <tr><td>62.8</td><td>3110</td></tr> <tr><td>63.0</td><td>3120</td></tr> <tr><td>63.2</td><td>3130</td></tr> <tr><td>63.4</td><td>3140</td></tr> <tr><td>63.6</td><td>3150</td></tr> <tr><td>63.8</td><td>3160</td></tr> <tr><td>64.0</td><td>3170</td></tr> <tr><td>64.2</td><td>3180</td></tr> <tr><td>64.4</td><td>3190</td></tr> <tr><td>64.6</td><td>3200</td></tr> <tr><td>64.8</td><td>3210</td></tr> <tr><td>65.0</td><td>3220</td></tr> <tr><td>65.2</td><td>3230</td></tr> <tr><td>65.4</td><td>3240</td></tr> <tr><td>65.6</td><td>3250</td></tr> <tr><td>65.8</td><td>3260</td></tr> <tr><td>66.0</td><td>3270</td></tr> <tr><td>66.2</td><td>3280</td></tr> <tr><td>66.4</td><td>3290</td></tr> <tr><td>66.6</td><td>3300</td></tr> <tr><td>66.8</td><td>3310</td></tr> <tr><td>67.0</td><td>3320</td></tr> <tr><td>67.2</td><td>3330</td></tr> <tr><td>67.4</td><td>3340</td></tr> <tr><td>67.6</td><td>3350</td></tr> <tr><td>67.8</td><td>3360</td></tr> <tr><td>68.0</td><td>3370</td></tr> <tr><td>68.2</td><td>3380</td></tr> <tr><td>68.4</td><td>3390</td></tr> <tr><td>68.6</td><td>3400</td></tr> <tr><td>68.8</td><td>3410</td></tr> <tr><td>69.0</td><td>3420</td></tr> <tr><td>69.2</td><td>3430</td></tr> <tr><td>69.4</td><td>3440</td></tr> <tr><td>69.6</td><td>3450</td></tr> <tr><td>69.8</td><td>3460</td></tr> <tr><td>70.0</td><td>3470</td></tr> <tr><td>70.2</td><td>3480</td></tr> <tr><td>70.4</td><td>3490</td></tr> <tr><td>70.6</td><td>3500</td></tr> <tr><td>70.8</td><td>3510</td></tr> <tr><td>71.0</td><td>3520</td></tr> <tr><td>71.2</td><td>3530</td></tr> <tr><td>71.4</td><td>3540</td></tr> <tr><td>71.6</td><td>3550</td></tr> <tr><td>71.8</td><td>3560</td></tr> <tr><td>72.0</td><td>3570</td></tr> <tr><td>72.2</td><td>3580</td></tr> <tr><td>72.4</td><td>3590</td></tr> <tr><td>72.6</td><td>3600</td></tr> <tr><td>72.8</td><td>3610</td></tr> <tr><td>73.0</td><td>3620</td></tr> <tr><td>73.2</td><td>3630</td></tr> <tr><td>73.4</td><td>3640</td></tr> <tr><td>73.6</td><td>3650</td></tr> <tr><td>73.8</td><td>3660</td></tr> <tr><td>74.0</td><td>3670</td></tr> <tr><td>74.2</td><td>3680</td></tr> <tr><td>74.4</td><td>3690</td></tr> <tr><td>74.6</td><td>3700</td></tr> <tr><td>74.8</td><td>3710</td></tr> <tr><td>75.0</td><td>3720</td></tr> <tr><td>75.2</td><td>3730</td></tr> <tr><td>75.4</td><td>3740</td></tr> <tr><td>75.6</td><td>3750</td></tr> <tr><td>75.8</td><td>3760</td></tr> <tr><td>76.0</td><td>3770</td></tr> <tr><td>76.2</td><td>3780</td></tr> <tr><td>76.4</td><td>3790</td></tr> <tr><td>76.6</td><td>3800</td></tr> <tr><td>76.8</td><td>3810</td></tr> <tr><td>77.0</td><td>3820</td></tr> <tr><td>77.2</td><td>3830</td></tr> <tr><td>77.4</td><td>3840</td></tr> <tr><td>77.6</td><td>3850</td></tr> <tr><td>77.8</td><td>3860</td></tr> <tr><td>78.0</td><td>3870</td></tr> <tr><td>78.2</td><td>3880</td></tr> <tr><td>78.4</td><td>3890</td></tr> <tr><td>78.6</td><td>3900</td></tr> <tr><td>78.8</td><td>3910</td></tr> <tr><td>79.0</td><td>3920</td></tr> <tr><td>79.2</td><td>3930</td></tr> <tr><td>79.4</td><td>3940</td></tr> <tr><td>79.6</td><td>3950</td></tr> <tr><td>79.8</td><td>3960</td></tr> <tr><td>80.0</td><td>3970</td></tr> <tr><td>80.2</td><td>3980</td></tr> <tr><td>80.4</td><td>3990</td></tr> <tr><td>80.6</td><td>4000</td></tr> <tr><td>80.8</td><td>4010</td></tr> <tr><td>81.0</td><td>4020</td></tr> <tr><td>81.2</td><td>4030</td></tr> </tbody> </table> </div>				Eindringtiefe in m	Anzahl Schläge je 20cm Eindringung	0.0	0	0.2	10	0.4	15	0.6	20	0.8	25	1.0	30	1.2	35	1.4	40	1.6	50	1.8	60	2.0	70	2.2	80	2.4	90	2.6	100	2.8	110	3.0	120	3.2	130	3.4	140	3.6	150	3.8	160	4.0	170	4.2	180	4.4	190	4.6	200	4.8	210	5.0	220	5.2	230	5.4	240	5.6	250	5.8	260	6.0	270	6.2	280	6.4	290	6.6	300	6.8	310	7.0	320	7.2	330	7.4	340	7.6	350	7.8	360	8.0	370	8.2	380	8.4	390	8.6	400	8.8	410	9.0	420	9.2	430	9.4	440	9.6	450	9.8	460	10.0	470	10.2	480	10.4	490	10.6	500	10.8	510	11.0	520	11.2	530	11.4	540	11.6	550	11.8	560	12.0	570	12.2	580	12.4	590	12.6	600	12.8	610	13.0	620	13.2	630	13.4	640	13.6	650	13.8	660	14.0	670	14.2	680	14.4	690	14.6	700	14.8	710	15.0	720	15.2	730	15.4	740	15.6	750	15.8	760	16.0	770	16.2	780	16.4	790	16.6	800	16.8	810	17.0	820	17.2	830	17.4	840	17.6	850	17.8	860	18.0	870	18.2	880	18.4	890	18.6	900	18.8	910	19.0	920	19.2	930	19.4	940	19.6	950	19.8	960	20.0	970	20.2	980	20.4	990	20.6	1000	20.8	1010	21.0	1020	21.2	1030	21.4	1040	21.6	1050	21.8	1060	22.0	1070	22.2	1080	22.4	1090	22.6	1100	22.8	1110	23.0	1120	23.2	1130	23.4	1140	23.6	1150	23.8	1160	24.0	1170	24.2	1180	24.4	1190	24.6	1200	24.8	1210	25.0	1220	25.2	1230	25.4	1240	25.6	1250	25.8	1260	26.0	1270	26.2	1280	26.4	1290	26.6	1300	26.8	1310	27.0	1320	27.2	1330	27.4	1340	27.6	1350	27.8	1360	28.0	1370	28.2	1380	28.4	1390	28.6	1400	28.8	1410	29.0	1420	29.2	1430	29.4	1440	29.6	1450	29.8	1460	30.0	1470	30.2	1480	30.4	1490	30.6	1500	30.8	1510	31.0	1520	31.2	1530	31.4	1540	31.6	1550	31.8	1560	32.0	1570	32.2	1580	32.4	1590	32.6	1600	32.8	1610	33.0	1620	33.2	1630	33.4	1640	33.6	1650	33.8	1660	34.0	1670	34.2	1680	34.4	1690	34.6	1700	34.8	1710	35.0	1720	35.2	1730	35.4	1740	35.6	1750	35.8	1760	36.0	1770	36.2	1780	36.4	1790	36.6	1800	36.8	1810	37.0	1820	37.2	1830	37.4	1840	37.6	1850	37.8	1860	38.0	1870	38.2	1880	38.4	1890	38.6	1900	38.8	1910	39.0	1920	39.2	1930	39.4	1940	39.6	1950	39.8	1960	40.0	1970	40.2	1980	40.4	1990	40.6	2000	40.8	2010	41.0	2020	41.2	2030	41.4	2040	41.6	2050	41.8	2060	42.0	2070	42.2	2080	42.4	2090	42.6	2100	42.8	2110	43.0	2120	43.2	2130	43.4	2140	43.6	2150	43.8	2160	44.0	2170	44.2	2180	44.4	2190	44.6	2200	44.8	2210	45.0	2220	45.2	2230	45.4	2240	45.6	2250	45.8	2260	46.0	2270	46.2	2280	46.4	2290	46.6	2300	46.8	2310	47.0	2320	47.2	2330	47.4	2340	47.6	2350	47.8	2360	48.0	2370	48.2	2380	48.4	2390	48.6	2400	48.8	2410	49.0	2420	49.2	2430	49.4	2440	49.6	2450	49.8	2460	50.0	2470	50.2	2480	50.4	2490	50.6	2500	50.8	2510	51.0	2520	51.2	2530	51.4	2540	51.6	2550	51.8	2560	52.0	2570	52.2	2580	52.4	2590	52.6	2600	52.8	2610	53.0	2620	53.2	2630	53.4	2640	53.6	2650	53.8	2660	54.0	2670	54.2	2680	54.4	2690	54.6	2700	54.8	2710	55.0	2720	55.2	2730	55.4	2740	55.6	2750	55.8	2760	56.0	2770	56.2	2780	56.4	2790	56.6	2800	56.8	2810	57.0	2820	57.2	2830	57.4	2840	57.6	2850	57.8	2860	58.0	2870	58.2	2880	58.4	2890	58.6	2900	58.8	2910	59.0	2920	59.2	2930	59.4	2940	59.6	2950	59.8	2960	60.0	2970	60.2	2980	60.4	2990	60.6	3000	60.8	3010	61.0	3020	61.2	3030	61.4	3040	61.6	3050	61.8	3060	62.0	3070	62.2	3080	62.4	3090	62.6	3100	62.8	3110	63.0	3120	63.2	3130	63.4	3140	63.6	3150	63.8	3160	64.0	3170	64.2	3180	64.4	3190	64.6	3200	64.8	3210	65.0	3220	65.2	3230	65.4	3240	65.6	3250	65.8	3260	66.0	3270	66.2	3280	66.4	3290	66.6	3300	66.8	3310	67.0	3320	67.2	3330	67.4	3340	67.6	3350	67.8	3360	68.0	3370	68.2	3380	68.4	3390	68.6	3400	68.8	3410	69.0	3420	69.2	3430	69.4	3440	69.6	3450	69.8	3460	70.0	3470	70.2	3480	70.4	3490	70.6	3500	70.8	3510	71.0	3520	71.2	3530	71.4	3540	71.6	3550	71.8	3560	72.0	3570	72.2	3580	72.4	3590	72.6	3600	72.8	3610	73.0	3620	73.2	3630	73.4	3640	73.6	3650	73.8	3660	74.0	3670	74.2	3680	74.4	3690	74.6	3700	74.8	3710	75.0	3720	75.2	3730	75.4	3740	75.6	3750	75.8	3760	76.0	3770	76.2	3780	76.4	3790	76.6	3800	76.8	3810	77.0	3820	77.2	3830	77.4	3840	77.6	3850	77.8	3860	78.0	3870	78.2	3880	78.4	3890	78.6	3900	78.8	3910	79.0	3920	79.2	3930	79.4	3940	79.6	3950	79.8	3960	80.0	3970	80.2	3980	80.4	3990	80.6	4000	80.8	4010	81.0	4020	81.2	4030
Eindringtiefe in m	Anzahl Schläge je 20cm Eindringung																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.2	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.4	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.6	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.8	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1.0	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1.2	35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1.4	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1.6	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1.8	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2.0	70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2.2	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2.4	90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2.6	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
2.8	110																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3.0	120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3.2	130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3.4	140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3.6	150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
3.8	160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4.0	170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4.2	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4.4	190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4.6	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
4.8	210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5.0	220																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5.2	230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5.4	240																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5.6	250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
5.8	260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6.0	270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6.2	280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6.4	290																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6.6	300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
6.8	310																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7.0	320																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7.2	330																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7.4	340																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7.6	350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
7.8	360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8.0	370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8.2	380																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8.4	390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8.6	400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8.8	410																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9.0	420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9.2	430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9.4	440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9.6	450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
9.8	460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10.0	470																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10.2	480																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10.4	490																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10.6	500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
10.8	510																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11.0	520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11.2	530																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11.4	540																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11.6	550																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
11.8	560																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12.0	570																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12.2	580																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12.4	590																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12.6	600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
12.8	610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13.0	620																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13.2	630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13.4	640																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13.6	650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13.8	660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14.0	670																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14.2	680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14.4	690																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14.6	700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
14.8	710																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15.0	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15.2	730																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15.4	740																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15.6	750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
15.8	760																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16.0	770																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16.2	780																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16.4	790																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16.6	800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16.8	810																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17.0	820																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17.2	830																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17.4	840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17.6	850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17.8	860																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18.0	870																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18.2	880																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18.4	890																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18.6	900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
18.8	910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19.0	920																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19.2	930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19.4	940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19.6	950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
19.8	960																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20.0	970																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20.2	980																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20.4	990																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20.6	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
20.8	1010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21.0	1020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21.2	1030																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21.4	1040																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21.6	1050																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
21.8	1060																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22.0	1070																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22.2	1080																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22.4	1090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22.6	1100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22.8	1110																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
23.0	1120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
23.2	1130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
23.4	1140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
23.6	1150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
23.8	1160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
24.0	1170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
24.2	1180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
24.4	1190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
24.6	1200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
24.8	1210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
25.0	1220																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
25.2	1230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
25.4	1240																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
25.6	1250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
25.8	1260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
26.0	1270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
26.2	1280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
26.4	1290																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
26.6	1300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
26.8	1310																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27.0	1320																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27.2	1330																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27.4	1340																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27.6	1350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27.8	1360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28.0	1370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28.2	1380																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28.4	1390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28.6	1400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28.8	1410																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29.0	1420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29.2	1430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29.4	1440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29.6	1450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29.8	1460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30.0	1470																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30.2	1480																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30.4	1490																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30.6	1500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30.8	1510																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31.0	1520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31.2	1530																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31.4	1540																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31.6	1550																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31.8	1560																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
32.0	1570																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
32.2	1580																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
32.4	1590																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
32.6	1600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
32.8	1610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
33.0	1620																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
33.2	1630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
33.4	1640																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
33.6	1650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
33.8	1660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34.0	1670																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34.2	1680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34.4	1690																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34.6	1700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34.8	1710																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35.0	1720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35.2	1730																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35.4	1740																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35.6	1750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35.8	1760																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36.0	1770																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36.2	1780																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36.4	1790																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36.6	1800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36.8	1810																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37.0	1820																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37.2	1830																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37.4	1840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37.6	1850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37.8	1860																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38.0	1870																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38.2	1880																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38.4	1890																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38.6	1900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38.8	1910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39.0	1920																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39.2	1930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39.4	1940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39.6	1950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39.8	1960																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40.0	1970																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40.2	1980																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40.4	1990																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40.6	2000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40.8	2010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41.0	2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41.2	2030																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41.4	2040																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41.6	2050																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41.8	2060																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42.0	2070																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42.2	2080																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42.4	2090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42.6	2100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42.8	2110																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43.0	2120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43.2	2130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43.4	2140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43.6	2150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43.8	2160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44.0	2170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44.2	2180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44.4	2190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44.6	2200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44.8	2210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45.0	2220																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45.2	2230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45.4	2240																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45.6	2250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45.8	2260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
46.0	2270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
46.2	2280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
46.4	2290																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
46.6	2300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
46.8	2310																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
47.0	2320																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
47.2	2330																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
47.4	2340																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
47.6	2350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
47.8	2360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
48.0	2370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
48.2	2380																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
48.4	2390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
48.6	2400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
48.8	2410																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
49.0	2420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
49.2	2430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
49.4	2440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
49.6	2450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
49.8	2460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50.0	2470																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50.2	2480																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50.4	2490																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50.6	2500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
50.8	2510																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
51.0	2520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
51.2	2530																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
51.4	2540																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
51.6	2550																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
51.8	2560																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
52.0	2570																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
52.2	2580																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
52.4	2590																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
52.6	2600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
52.8	2610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
53.0	2620																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
53.2	2630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
53.4	2640																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
53.6	2650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
53.8	2660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
54.0	2670																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
54.2	2680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
54.4	2690																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
54.6	2700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
54.8	2710																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
55.0	2720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
55.2	2730																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
55.4	2740																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
55.6	2750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
55.8	2760																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
56.0	2770																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
56.2	2780																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
56.4	2790																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
56.6	2800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
56.8	2810																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57.0	2820																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57.2	2830																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57.4	2840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57.6	2850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
57.8	2860																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
58.0	2870																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
58.2	2880																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
58.4	2890																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
58.6	2900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
58.8	2910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
59.0	2920																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
59.2	2930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
59.4	2940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
59.6	2950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
59.8	2960																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
60.0	2970																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
60.2	2980																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
60.4	2990																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
60.6	3000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
60.8	3010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
61.0	3020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
61.2	3030																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
61.4	3040																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
61.6	3050																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
61.8	3060																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
62.0	3070																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
62.2	3080																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
62.4	3090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
62.6	3100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
62.8	3110																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
63.0	3120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
63.2	3130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
63.4	3140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
63.6	3150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
63.8	3160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
64.0	3170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
64.2	3180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
64.4	3190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
64.6	3200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
64.8	3210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
65.0	3220																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
65.2	3230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
65.4	3240																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
65.6	3250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
65.8	3260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
66.0	3270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
66.2	3280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
66.4	3290																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
66.6	3300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
66.8	3310																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67.0	3320																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67.2	3330																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67.4	3340																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67.6	3350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
67.8	3360																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
68.0	3370																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
68.2	3380																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
68.4	3390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
68.6	3400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
68.8	3410																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
69.0	3420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
69.2	3430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
69.4	3440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
69.6	3450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
69.8	3460																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70.0	3470																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70.2	3480																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70.4	3490																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70.6	3500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
70.8	3510																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
71.0	3520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
71.2	3530																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
71.4	3540																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
71.6	3550																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
71.8	3560																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
72.0	3570																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
72.2	3580																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
72.4	3590																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
72.6	3600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
72.8	3610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
73.0	3620																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
73.2	3630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
73.4	3640																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
73.6	3650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
73.8	3660																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.0	3670																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.2	3680																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.4	3690																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.6	3700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.8	3710																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75.0	3720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75.2	3730																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75.4	3740																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75.6	3750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75.8	3760																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
76.0	3770																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
76.2	3780																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
76.4	3790																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
76.6	3800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
76.8	3810																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
77.0	3820																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
77.2	3830																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
77.4	3840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
77.6	3850																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
77.8	3860																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
78.0	3870																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
78.2	3880																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
78.4	3890																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
78.6	3900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
78.8	3910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
79.0	3920																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
79.2	3930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
79.4	3940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
79.6	3950																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
79.8	3960																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
80.0	3970																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
80.2	3980																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
80.4	3990																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
80.6	4000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
80.8	4010																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
81.0	4020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
81.2	4030																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Mittelschwere Rammsondierung Gewicht: 30kg Fallhöhe: 20cm Spitzenquerschnitt: 10cm ²																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Bemerkungen: Knirschen beim Herausziehen Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Rammsondierung RS10			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	Massstab: 1:100	
Polier:	P. Kuhn		
Ausführungsdatum:	03.06.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Mittelschwere Rammsondierung

Gewicht: 30kg

Fallhöhe: 20cm

Spitzenquerschnitt: 10cm²

Endtiefe:

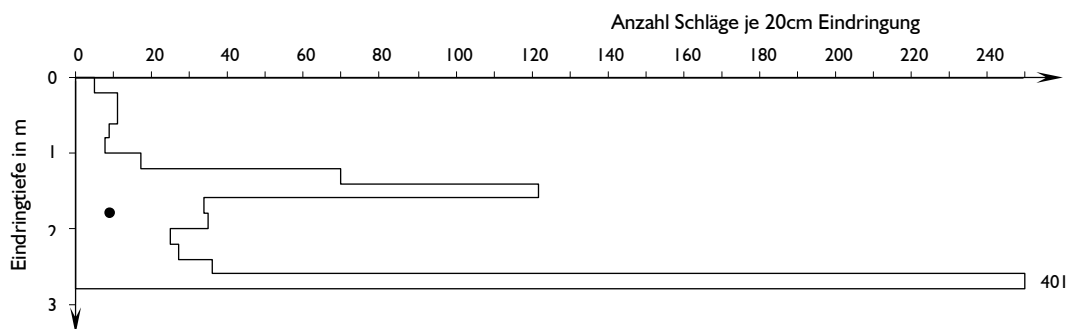
4,71 m

Bemerkungen:

Knirschen beim Herausziehen

Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm

Rammsondierung RSI I			Beilage
Bauherrschaft:		Kontrolle: Datum Visum	
Sondierfirma:	Geotechnisches Institut AG	Massstab: 1:100	
Polier:	P. Kuhn		
Ausführungsdatum:	03.06.2010		
Koordinaten:	/	Auftrags-Nr.:	33.0248.001
Höhe in m ü.M.:		Auftrag:	H'Brücke Thunersee



Mittelschwere Rammsondierung

Gewicht: 30kg

Fallhöhe: 20cm

Spitzenquerschnitt: 10cm²

Endtiefe:

2.73 m

Bemerkungen:

Knirschen beim Herausziehen

Bestimmung der Mantelreibung durch heben der Sonde um 30cm und nachschlagen um 20cm