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|--|--|---|--|--|-----------------------------------|
| Karta otworu | | Miejscowość Święciechowa | | Nr. otw. 2 | Wiek ujęcia w-ty wod. Q |
| Gmina Święciechowa | | Wykonawca PZR W W „Wodrol” Poznań | | Rok wykon. 1975 | |
| Woj. leszczyńskie | | Użytkownik wieś | | Arkusz mapy 1 : 50000 Leszno | |
| Współr. Y - | | Zrędo: archiwum „Wodrol” Poznań | | | |
| cechar. λ - | | | | | |
| Rzeczna terenu 99,07 | | Rodzaj otworu studnia | | System mierzenia udarowy | |
| Geolod. dokument. inż. J. Późniak | | | | | |

| <p>Opis profilu geologicznego</p> <div style="display: flex; align-items: flex-start;"> <div style="width: 10%; text-align: center; padding-right: 5px;"> </div> <div style="width: 90%;"> <p>00 gleba</p> <p>04 piasek drobny żółty z pojed. otoczk.</p> <p>36 pospółka szarozółta z dużą ilością otoczek</p> <p>6,8 glina zwatowa szara</p> <p>130 bruk</p> <p>13,1 glina zwatowa szara</p> <p>26,5 piasek drobny jasnoszary</p> <p>300 piasek średni ze żwirem, jasnoszary</p> <p>380 pospółka szara z dużą ilością otoczek</p> <p>410 it żółtoszary</p> <p>430</p> </div> </div> | <p>Konstrukcja otworu</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>φ rur</th> <th>na przelocie</th> <th>uwagi</th> </tr> <tr> <td>406 mm</td> <td>0,0 - 27,60</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> <p>Parametry filtru</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Typ: siatkowy</th> <th colspan="3">Gleb. posadowienia</th> </tr> <tr> <th>Głęb. [m]</th> <th>φ [mm]</th> <th>Przelot</th> <th>Długość</th> <th>Uwagi</th> </tr> <tr> <td>Nadfiltrowa</td> <td>245 mm</td> <td></td> <td>9,50</td> <td></td> </tr> <tr> <td>Robocza</td> <td>41</td> <td></td> <td>13,40</td> <td></td> </tr> <tr> <td>Podfiltrowa</td> <td>41</td> <td></td> <td>1,60</td> <td></td> </tr> <tr> <td>Nieszufiltrowa</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Obsługa φ</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Poziomu wodonośne</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Jedn. strat.</th> <th>Przelot w. wodn. od - do</th> <th>M [m]</th> <th>Spad. w. wodn. m n.p.m.</th> <th>Zwierżona wody at.</th> <th>n.p.m.</th> </tr> <tr> <td>Q</td> <td>2,0 - 6,80</td> <td>4,8</td> <td>92,27</td> <td>2,0</td> <td>97,07</td> </tr> <tr> <td>Q</td> <td>26,5 - 41,0</td> <td>14,5</td> <td>58,07</td> <td>2,4</td> <td>96,67</td> </tr> </table> <p>Wyniki próbnego pompowania</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Q [m³/h]</th> <th>S [m]</th> <th>q [m³/h/m]</th> <th>t [h]</th> <th>Uwagi</th> </tr> <tr> <td>60,0</td> <td>7,1</td> <td>8,45</td> <td>48</td> <td></td> </tr> <tr> <td>85,3</td> <td>10,2</td> <td>8,36</td> <td>24</td> <td></td> </tr> </table> <p>Wyniki obliczeń</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>K = 0,000191 m/s</td> <td>wa wzoru</td> </tr> <tr> <td>T = m³/h</td> <td>- - -</td> </tr> <tr> <td>μ =</td> <td>- - -</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Q dop* [m³/h]</td> <td>Q eksa* [m³/h]</td> <td>S eksa* [m]</td> </tr> <tr> <td>Zasoby w kat. B</td> <td>Nr aktu zatw.</td> <td>Podpis wódy</td> </tr> <tr> <td>a = 60,0 m³/h</td> <td>KD#1013/5454/89</td> <td></td> </tr> <tr> <td>S = 10,9 m</td> <td>7.6.83v.</td> <td></td> </tr> </table> <p>Analiza wody</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Wykonawca: WJS-E Leszno</th> <th colspan="3">Data: 24.09.75r.</th> </tr> <tr> <td>Temperatura</td> <td>11</td> <td>°C</td> <td>Azotan</td> <td>0,1</td> <td>mg/LN</td> </tr> <tr> <td>Miętność</td> <td>5</td> <td>mg/SO₄</td> <td>H₂S</td> <td></td> <td>mg/L</td> </tr> <tr> <td>Borwa</td> <td>20</td> <td>mg/Lp</td> <td>Siarczany</td> <td>25,6</td> <td>mg/LSO₄</td> </tr> <tr> <td>Zapach</td> <td>21R</td> <td></td> <td>CO₂</td> <td></td> <td>mg/L</td> </tr> <tr> <td>pH</td> <td>7,4</td> <td></td> <td>Utlenialność</td> <td>2,9</td> <td>mg/LO₂</td> </tr> <tr> <td>Tw. ogólna</td> <td>3,6</td> <td>mmol/L</td> <td>Sucha pozost.</td> <td>223</td> <td>mg/L</td> </tr> <tr> <td>Tw. nieogł.</td> <td>0,8</td> <td>mmol/L</td> <td>Pozost. po praż.</td> <td>195</td> <td>mg/L</td> </tr> <tr> <td>Zasadowość</td> <td>2,8</td> <td>mmol/L</td> <td>Kapn</td> <td></td> <td>mmol/LCO₂</td> </tr> <tr> <td>Żelazo ogóln.</td> <td>0,8</td> <td>mg/LFe</td> <td>Magnez</td> <td></td> <td>mg/LMg</td> </tr> <tr> <td>Mangan</td> <td>0,1</td> <td>mg/LMn</td> <td>Fluorki</td> <td>0,15</td> <td>mg/LF</td> </tr> <tr> <td>Chlorki</td> <td>12</td> <td>mg/LCl</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Amoniak</td> <td>0,06</td> <td>mg/LN</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Arsen</td> <td>0,01</td> <td>mg/LN</td> <td>Miano coli</td> <td>12</td> <td></td> </tr> </table> <p>Uwagi:</p> | φ rur | na przelocie | uwagi | 406 mm | 0,0 - 27,60 | | | | | | | | | | | | | | Typ: siatkowy | | Gleb. posadowienia | | | Głęb. [m] | φ [mm] | Przelot | Długość | Uwagi | Nadfiltrowa | 245 mm | | 9,50 | | Robocza | 41 | | 13,40 | | Podfiltrowa | 41 | | 1,60 | | Nieszufiltrowa | | | | | Obsługa φ | | | | | Jedn. strat. | Przelot w. wodn. od - do | M [m] | Spad. w. wodn. m n.p.m. | Zwierżona wody at. | n.p.m. | Q | 2,0 - 6,80 | 4,8 | 92,27 | 2,0 | 97,07 | Q | 26,5 - 41,0 | 14,5 | 58,07 | 2,4 | 96,67 | Q [m³/h] | S [m] | q [m³/h/m] | t [h] | Uwagi | 60,0 | 7,1 | 8,45 | 48 | | 85,3 | 10,2 | 8,36 | 24 | | K = 0,000191 m/s | wa wzoru | T = m³/h | - - - | μ = | - - - | Q dop* [m³/h] | Q eksa* [m³/h] | S eksa* [m] | Zasoby w kat. B | Nr aktu zatw. | Podpis wódy | a = 60,0 m³/h | KD#1013/5454/89 | | S = 10,9 m | 7.6.83v. | | Wykonawca: WJS-E Leszno | | | Data: 24.09.75r. | | | Temperatura | 11 | °C | Azotan | 0,1 | mg/LN | Miętność | 5 | mg/SO ₄ | H ₂ S | | mg/L | Borwa | 20 | mg/Lp | Siarczany | 25,6 | mg/LSO ₄ | Zapach | 21R | | CO ₂ | | mg/L | pH | 7,4 | | Utlenialność | 2,9 | mg/LO ₂ | Tw. ogólna | 3,6 | mmol/L | Sucha pozost. | 223 | mg/L | Tw. nieogł. | 0,8 | mmol/L | Pozost. po praż. | 195 | mg/L | Zasadowość | 2,8 | mmol/L | Kapn | | mmol/LCO ₂ | Żelazo ogóln. | 0,8 | mg/LFe | Magnez | | mg/LMg | Mangan | 0,1 | mg/LMn | Fluorki | 0,15 | mg/LF | Chlorki | 12 | mg/LCl | | | | Amoniak | 0,06 | mg/LN | | | | Arsen | 0,01 | mg/LN | Miano coli | 12 | |
|--|--|--------------------|-------------------------|--------------------|-----------------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--------------------|--|--|-----------|--------|---------|---------|-------|-------------|--------|--|------|--|---------|----|--|-------|--|-------------|----|--|------|--|----------------|--|--|--|--|-----------|--|--|--|--|--------------|--------------------------|-------|-------------------------|--------------------|--------|---|------------|-----|-------|-----|-------|---|-------------|------|-------|-----|-------|----------|-------|------------|-------|-------|------|-----|------|----|--|------|------|------|----|--|------------------|----------|----------|-------|-----|-------|---------------|----------------|-------------|-----------------|---------------|-------------|---------------|-----------------|--|------------|----------|--|-------------------------|--|--|------------------|--|--|-------------|----|----|--------|-----|-------|----------|---|--------------------|------------------|--|------|-------|----|-------|-----------|------|---------------------|--------|-----|--|-----------------|--|------|----|-----|--|--------------|-----|--------------------|------------|-----|--------|---------------|-----|------|-------------|-----|--------|------------------|-----|------|------------|-----|--------|------|--|-----------------------|---------------|-----|--------|--------|--|--------|--------|-----|--------|---------|------|-------|---------|----|--------|--|--|--|---------|------|-------|--|--|--|-------|------|-------|------------|----|--|
| φ rur | na przelocie | uwagi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 406 mm | 0,0 - 27,60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Typ: siatkowy | | Gleb. posadowienia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Głęb. [m] | φ [mm] | Przelot | Długość | Uwagi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nadfiltrowa | 245 mm | | 9,50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Robocza | 41 | | 13,40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Podfiltrowa | 41 | | 1,60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nieszufiltrowa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Obsługa φ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jedn. strat. | Przelot w. wodn. od - do | M [m] | Spad. w. wodn. m n.p.m. | Zwierżona wody at. | n.p.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q | 2,0 - 6,80 | 4,8 | 92,27 | 2,0 | 97,07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q | 26,5 - 41,0 | 14,5 | 58,07 | 2,4 | 96,67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q [m³/h] | S [m] | q [m³/h/m] | t [h] | Uwagi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60,0 | 7,1 | 8,45 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85,3 | 10,2 | 8,36 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K = 0,000191 m/s | wa wzoru | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T = m³/h | - - - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| μ = | - - - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q dop* [m³/h] | Q eksa* [m³/h] | S eksa* [m] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zasoby w kat. B | Nr aktu zatw. | Podpis wódy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a = 60,0 m³/h | KD#1013/5454/89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S = 10,9 m | 7.6.83v. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wykonawca: WJS-E Leszno | | | Data: 24.09.75r. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperatura | 11 | °C | Azotan | 0,1 | mg/LN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miętność | 5 | mg/SO ₄ | H ₂ S | | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borwa | 20 | mg/Lp | Siarczany | 25,6 | mg/LSO ₄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zapach | 21R | | CO ₂ | | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH | 7,4 | | Utlenialność | 2,9 | mg/LO ₂ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tw. ogólna | 3,6 | mmol/L | Sucha pozost. | 223 | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tw. nieogł. | 0,8 | mmol/L | Pozost. po praż. | 195 | mg/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zasadowość | 2,8 | mmol/L | Kapn | | mmol/LCO ₂ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Żelazo ogóln. | 0,8 | mg/LFe | Magnez | | mg/LMg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mangan | 0,1 | mg/LMn | Fluorki | 0,15 | mg/LF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorki | 12 | mg/LCl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amoniak | 0,06 | mg/LN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsen | 0,01 | mg/LN | Miano coli | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Stratygrafia | | | |
|--------------|------------|---------|--------|
| Jedn. strat. | Przelot | Suteg m | |
| | od - do | p.t. | n.p.m. |
| Q | 0,0 - 41,0 | 41,0 | 58,07 |
| Tr. pl | 41,0 - | | |

WIKK USTED W-W
WOBONOSKE

CZWARIORZĘD

TRULSI MARY

TRIKSI MARY

210

LEODLO - MAT. RECHW.

RFCZNY . OLCRFINT

OPIS PROFILU GEOLOGICZNEGO

KONSTRUKCJA OTWORU

PARAMETRY FILTER

TYP SIATKOWY GŁĘB. POSADOWIENIA 56.0

| | | |
|-----------|-----|--------|
| ОБЪЕМКА Ø | 2-3 | 3-5 мм |
|-----------|-----|--------|

POZIOMY WODONOSNE

| JEDN. STR. | PRZELOT WARS. | M | SPAC W WOOD. | | ZWIERZĘTOWY | |
|------------|---------------|----|--------------|--|-------------|----------|
| | | | M. P. P. M. | | P. E. | M. P. M. |
| Q | 3.0 - 7.0 | 4 | | | 3.0 | |
| Q | 13.0 - 17.0 | 4 | | | 3.0 | |
| Q | 43.0 - 53.0 | 10 | | | 3.0 | |

WYNIKI PRÓBNIEGO POMIOWANIA

| | | | | |
|-------------|---------|---------------|---------|--------|
| $Q [m^3/h]$ | $S [m]$ | $K [m^3/n/m]$ | $t [h]$ | UNWAGH |
| 66.0 | 5.22 | -12.52 | 72 | |

WYNIKI OBLICZEN

$$K = 0,000624 \text{ m/sec wq.wzoru Dupuriz } K = \text{ m/h wq.The=}$$

$$T = \text{ m}^2/\text{h} \quad a = \text{ m}^2/\text{h}$$
$$Q_{\text{dop.}} = 75 \text{ [m}^3/\text{h]} \quad Q_{\text{desl.}} = 75 \text{ [m}^3/\text{h]} \quad S_{\text{desl.}} = 5,5 \text{ [m]}$$

| | | |
|----------------------------|-----------------|------------|
| ZASOBY W KAT. | NR. AKTU. ZATW. | POBÓR WODY |
| Q = 60,0 m ³ /h | KDH/1013/5765/ | |
| S = 10,9 m | 93 2 30.11.93 | |

ANALIZA WODY

WYKONAŁO WISSE 2. G24 DATA 1.8.85

| | | | | | |
|---------------|------|------|------------------------|------|------|
| TEMPERATURA | | °C | AZOTANY | 0,34 | mg/g |
| METNOŚĆ | | mg/L | H ₂ S | | mg/L |
| BARWA | 8 | mg/L | SIARCZANY | 42 | mg/L |
| ZAPACH | | | CO ₂ AGRES. | | mg/L |
| pH | 7,5 | | UTLENIALN. | | mg/L |
| TW. OGÓLNA | | mg/L | UCHŁAŁ. POZOST. | | mg/L |
| TW. NIEWIĘGL. | | mg/L | POZOST. PO PRAC. | | mg/L |
| ZASŁANOWOŚĆ | | mg/L | WAPN | | mg/L |
| ZŁAZO OG. | 1,2 | mg/L | MAGNEZ | | mg/L |
| MIKROB. | 0,14 | mg/L | FLUORKI | | mg/L |
| CIŚCIE | 17 | mg/L | POSPORANY | | mg/L |
| AMONIAK | 0,3 | mg/L | CIĘŻK. | | mg/L |

4-20-78 N.W. 136th & West 100th St.

WATKINS YOUNG

UWREG:

五、九、二〇、三六、四八

| DEFENSE STRATEGY | PIZZA LOT | GAME TO |
|------------------|-----------|----------|
| Q | 0 - 52.0 | 75. 46.9 |
| TRZ | 2 53.0 | |