# Doel: Importeren van Header gegevens van boringen en sonderingen in een Kop-tabel.

Deze kop tabel kan gebruikt worden om de locaties van boringen en sonderingen te tonen en de gegevens te ontsluiten.

DD: 2-11-2017

Door : Adrie van Ruiten

Waterschap Vallei en Veluwe

[avanruiten@vallei-veluwe.nl](mailto:avanruiten@vallei-veluwe.nl)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Betreft een acces-database:

Tool beslaat het formulier:

IMPORT\_KOP\_WSVV



1 druk op de knop en wachten…….

Wat doet de Tool:

* De tool vraagt een directory waar .GEF-bestanden staan.
* De Tool kopieert alle .gef bestanden in deze directory naar.txt bestanden.
* Leest de txt-bestanden 1 voor 1 in en haalt de kopgegegevens uit de .GEF bestanden.
* Vult de tabel: TmpKopMeting met de Header gegevens van de aangeboden boring / sondering.

Nawerk nodig:

De TmpKopMeting omzetten naar een standaard datatabel.

Hiervoor zijn divers queries meegeleverd die een deel van het werk vereenvoudigen.

Veel zoek vervang mogelijk.

1. Keuzes voor de eindtabellen: Boring en sondering.
   1. Sondering:

Naam kolom inhoud redenatie

|  |  |  |
| --- | --- | --- |
| Kolomnaam | inhoud | Redenatie wel/niet meenemen\ |
| OBJECTID \* | GIS-specifieke id |  |
| SHAPE \* | GIS-specifieke Geometrie Point |  |
| Code | Unieke toegevoegde Sondeernr | Niet meenenem. Anders dubbele nummers. Unieke code uit leveringen behouden. In Sondeernr |
| sondeernr | Uniek gebruikersnummer. | Unieke code uit leveringen behouden.  Bij dubbele nr’s uit projecten: Sonderingen uit projecten uniek maken met toevoeging op sondernr (bijv datum / projectnr) |
| coord\_stelsel | Coordinaatstelsel aangeleverd coordinaten | Niet meenemen, X en Y altijd naar RD-stelsel omzetten om in GIS te gebruiken. |
| X | X-co in M (RD-stelsel) |  |
| Y | Y-co in M (RD-stelsel) |  |
| einddiepte | Sonderdiepte (in M) |  |
| meetdatum | Datum uitvoering sondering (alias sondeerdatum) | check op filedate/ startdate |
| ref\_hoogte | Maaiveld hoogte (in M) |  |
| referentievlak | (referentievalk maaiveldhoogte (Nap / Vloerpeil) |  |
| ProjectNaam | ProjectNaam | Check op: Projectnaam / Onderzoekslocatie (samenvoeging) |
| ProjectID | Projectnummer |  |
| Uitvoerder | Uitvoerder |  |
| opdrachtgever | Opdrachtgever / eigenaar |  |
| sondeerImage | Locatie van bijbehorende sondeer-image | Handmatig toevoegen obv filenaam = sondernr |
| sondeerGEF | Locatie van bijbehorende sondeer-GEF | Handmatig toevoegen obv filenaam = sondernr |
| objecttype | Bron van de meting | Uit TNO-excelsheet halen. |
| DptVoorgeboord | Diepte voorgeboord |  |
| aantKolom | Aantaal kolommen | Niet meegenomen |
| TypeConus | Type Conus en serienummer |  |
| Norm | NEN-norm meting |  |
| Sondmethode | type of penetration test NBiet meenemen. | Bevat geen informatie, anders dan in type conus. Niet meenemen dus |
| Grondwaterstand | Grondwatresatnd na meting. |  |
| Boormethode | Boormethode | PAS op! Alleen de eerste boormethode is meegenomen, er kunnen meerdere boormethodes zijn gebruikt! |
| vochtighiedstoestand | Niet relevant |  |
| peilbuis | Aanwezig peilbuis ja/nee | Alleen aantal peilbuizen vermeld |
| Aanta; peilbuizen | aantal |  |

Opbouw- GEF-header: boringen / sonderingen

Bijlage1 : Kolommen overgenomen in Sondeer-kop tabel

Alfabetisch conform: GEOTECHNICAL EXCHANGE FORMAT FOR CPT-DATA, Version: 1, 1, 2 (CUR September 2006)

|  |  |
| --- | --- |
| CUR: Header GEF-sondering | Voorstel Veld (tmp\_IMPORT) |
| #GEFID = 1,1,0 | [nvt] |
| #COLUMN = 8 | Aantal\_meetkolommen |
| #COLUMNINFO = 1, m, penetration length, 1 | [nvt] |
| #COLUMNINFO = 2,MPa,cone resistance,2 | [nvt] |
| #COLUMNINFO = 3,MPa,friction resistance,3 | [nvt] |
| #COLUMNINFO = 4,%,friction number,4 | [nvt] |
| #COLUMNINFO = 5,MPa,pore pressure u2,6 | [nvt] |
| #COLUMNINFO = 6,degrees,inclination (total),8 | [nvt] |
| #COLUMNINFO = 7,s,time,12 | [nvt] |
| #COLUMNINFO = 8,MPa,in situ initial pore pressure uo,18 | [nvt] |
| #COLUMNMINMAX = 1, [figure], [figure] | [nvt] |
| #COLUMNMINMAX = 2, [figure], [figure] | [nvt] |
| #COLUMNMINMAX = 3, …, … etc. | [nvt] |
| #COLUMNSEPARATOR = ; | [nvt] |
| #COLUMNTEXT = [number], [text] *text on or off* | [nvt] |
| #COLUMNVOID = 1, [figure] *definition of "no value"* | [nvt] |
| #COLUMNVOID = 2,9999.0000 | [nvt] |
| #COLUMNVOID = 3,9999.0000 | [nvt] |
| #COLUMNVOID = 4,9999.0000 | [nvt] |
| #COLUMNVOID = 5,9999.0000 | [nvt] |
| #COLUMNVOID = 6,9999.0000 | [nvt] |
| #COLUMNVOID = 7,9999.0000 | [nvt] |
| #COLUMNVOID = 8,9999.0000 | [nvt] |
| #COMPANYID = GRONTMIJ,999,31 | Uitvoerder |
| #DATAFORMAT = ASCII (this is the compulsory data format) | [nvt] |
| #FILEDATE = 2005,06,21 | File-Datum (check op startdat) |
| #FILEOWNER = jwb | Medewerker uitvoering |
| #LASTSCAN = 1401 | Aantal\_metingen |
| #MEASUREMENTTEXT = 1,Waterschap Veluwe,client | Eigenaar |
| #MEASUREMENTTEXT = 2, [text], project name | Projectnaam |
| #MEASUREMENTTEXT = 3,Wijhe e.o.,name of location | Locatie Onderzoeksnaam |
| #MEASUREMENTTEXT = 4,C10CFI.847,cone type and serial number | Type meetinstrument |
| #MEASUREMENTTEXT = 5, [text], Mass and geometry of probe apparatus\, incl. anchoring | [nvt] |
| #MEASUREMENTTEXT = 6, [text], according to standard *NEN 5140 incl. Class\, NEN* | norm |
| #MEASUREMENTTEXT = 7,lokaal,own co-ordinate system | [nvt] |
| #MEASUREMENTTEXT = 8,NAP,own reference level | [nvt] |
| #MEASUREMENTTEXT = 9,999,fixed horizontal level | [nvt] |
| #MEASUREMENTTEXT = 10, [text], orientation of biaxial inclination measurement (Ndirection) | [nvt] |
| #MEASUREMENTTEXT = 11, [text],unusual circumstances | [nvt] |
| #MEASUREMENTTEXT = 20, [text], correction method for zero drift | [nvt] |
| #MEASUREMENTTEXT = 21, [text], processing method for interruptions | [nvt] |
| #MEASUREMENTTEXT = 22, [text], remarks | [nvt] |
| #MEASUREMENTTEXT = 23, [text], remarks | [nvt] |
| #MEASUREMENTTEXT = 30, [text], calculation formula for column … | [nvt] |
| #MEASUREMENTTEXT = 31, [text], calculation formula for column … | [nvt] |
| (Sept 2006 N) | [nvt] |
| #MEASUREMENTTEXT = 41, [text], railway or dike code | [nvt] |
| #MEASUREMENTTEXT = 42, [text], method for the determination of the ZID | [nvt] |
| #MEASUREMENTTEXT = 43, [text], method for the determination of the XYID | [nvt] |
| #MEASUREMENTTEXT = 44, [text], Orientation X axis inclination | [nvt] |
| #MEASUREMENTVAR = 1,1000.0,mm2,Num surface are cone tip | [nvt] |
| #MEASUREMENTVAR = 2,15000.0,mm2,Num surface area friction element | [nvt] |
| #MEASUREMENTVAR = 3,1.0000,-,Net surface area quotient of cone tip | [nvt] |
| #MEASUREMENTVAR = 4, [figure], -, Net surface area quotient of friction casing | [nvt] |
| #MEASUREMENTVAR = 5, [figure], mm, cone distance to centre of friction casing | [nvt] |
| #MEASUREMENTVAR = 6, [number], -, friction present | [nvt] |
| #MEASUREMENTVAR = 7, [number], -, PPT u1 present | [nvt] |
| #MEASUREMENTVAR = 8, [number], -, PPT u2 present | [nvt] |
| #MEASUREMENTVAR = 9, [number], -, PPT u3 present | [nvt] |
| #MEASUREMENTVAR = 10, [number], -, inclination measurement present | [nvt] |
| #MEASUREMENTVAR = 11, [number], -, use of back-flow compensator | [nvt] |
| #MEASUREMENTVAR = 12, [number], -, type of penetration test | sondeermethode |
| #MEASUREMENTVAR = 13,1.2200,m,pre excavated depth | Diepte voorgeboord |
| #MEASUREMENTVAR = 14, [figure], m, groundwater level | Grondwaterstand |
| #MEASUREMENTVAR = 15, [figure], m, water depth (for offshore activities works) | [nvt] |
| #MEASUREMENTVAR = 16, [figure], m, end depth of penetration test | Einddiepte |
| #MEASUREMENTVAR = 17, [number], -, Stop criteria | [nvt] |
| #MEASUREMENTVAR = 20, [figure], MPa, zero measurement of cone before penetration test | [nvt] |
| #MEASUREMENTVAR = 21, [figure], MPa, zero measurement of cone after penetration test | [nvt] |
| #MEASUREMENTVAR = 22, [figure], MPa, zero measurement friction before penetration test | [nvt] |
| #MEASUREMENTVAR = 23, [figure], MPa, zero measurement friction after penetration test | [nvt] |
| #MEASUREMENTVAR = 24, [figure], MPa, zero measurement PPT u1 before penetr. Test 15 | [nvt] |
| #MEASUREMENTVAR = 25, [figure], MPa, zero measurement PPT u1 after penetr. test | [nvt] |
| #MEASUREMENTVAR = 26, [figure], MPa, zero measurement PPT u2 before penetr. test | [nvt] |
| #MEASUREMENTVAR = 27, [figure], MPa, zero measurement PPT u2 after penetr. test | [nvt] |
| #MEASUREMENTVAR = 28, [figure], MPa, zero measurement PPT u3 before penetr. test | [nvt] |
| #MEASUREMENTVAR = 29, [figure], MPa, zero measurement PPT u3 after penetr. test | [nvt] |
| #MEASUREMENTVAR = 30, [figure], degrees, zero measurement inclination before penetr. test | [nvt] |
| #MEASUREMENTVAR = 31, [figure], degrees, zero measurement inclination after penetr. test | [nvt] |
| #MEASUREMENTVAR = 32, [figure], degrees, zero measurement inclination NS before penetr. Test | [nvt] |
| #MEASUREMENTVAR = 33, [figure], degrees, zero measurement inclination NS after penetr. test | [nvt] |
| #MEASUREMENTVAR = 33, [figure], degrees, zero measurement inclination NS after penetr. test | [nvt] |
| #MEASUREMENTVAR = 34, [figure], degrees, zero measurement inclination EW before | [nvt] |
| #MEASUREMENTVAR = 35, [figure], degrees, zero measurement inclination EW after penetrs Test (sept 2006) | [nvt] |
| #MEASUREMENTVAR = 41, [figure], km, location in ‘line coordinate’ | [nvt] |
| #MEASUREMENTVAR = 42, [figure], degrees, angle between positive X and North (April 2004 N) See section 2.1.4 | [nvt] |
| #PROCEDURECODE = GEF-CPT-Report,1,1,0,-  (in samenhang met REPORTCODE) | ObjectTyoe (boring of sondering) |
| #PROJECTID = 162252 | Projectnummer |
| #RECORDSEPARATOR = [character] *symbol at end of a measurement scan (default = CR/LF)* | [nvt] |
| **#REPORTCODE = GEF-CPT-Report, 1,1,0, - *release of CPT-Report*** | ObjectTyoe (boring of sondering) |
| #REPORTDATAFORMAT = [character] *print format per column, according to FORTRANdefinition* | [nvt] |
| #SPECIMENVAR = 1, [figure], m, [text], *depth in m –mv and sample code according to NEN 5104 of the pre-drilled soil* | Melding: Lith |
| #SPECIMENVAR = n , [figure], m, [text], *depth in m –mv and sample code according to NEN 5104 of the pre-drilled soil* | NVT- 2e lithologische laag |
| #TESTID = 602.5C | Sondeer\_id |
| #STARTDATE = [number], [number], [number] *yyyy, mm, dd* | Checken op filedate |
| #STARTTIME = [number], [number], [number] *hh, mm, ss.s* | [NVT] |
| #ZID = 00000,6.1000,0.0000 | Maaiveldhoogte (NAP) |
| #XYID = 00000,205306.0000,492480.0000,0.0000,0.0000 | X- coordinaat (RD)  Y- coordinaat (RD) |

Bijlage 2: GEF-boringen

|  |  |
| --- | --- |
| Header-regel GEF-boring | Voorstel Veld |
| #GEFID = 1,1,0 | [NVT] |
| #COLUMNTEXT = 1, aan | [NVT] |
| #COLUMNSEPARATOR = ; | [NVT] |
| #RECORDSEPARATOR = ! | [NVT] |
| #FILEOWNER = DINO | Eigenaar |
| #COMPANYID = Onbekend | Uitvoerder |
| #FILEDATE = 2017,2,16 | Datum file |
| #PROJECTID = DINO-BOR | Projectnaam |
| #COLUMN = 9 | [NVT] |
| #COLUMNINFO = 1, m, Diepte bovenkant laag, 1 | [NVT] |
| #COLUMNINFO = 2, m, Diepte onderkant laag, 2 | [NVT] |
| #COLUMNINFO = 3, mm, Zandmediaan, 8 | [NVT] |
| #COLUMNINFO = 4, mm, Grindmediaan, 9 | [NVT] |
| #COLUMNINFO = 5, %, Lutum percentage, 3 | [NVT] |
| #COLUMNINFO = 6, %, Silt percentage, 4 | [NVT] |
| #COLUMNINFO = 7, %, Zand percentage, 5 | [NVT] |
| #COLUMNINFO = 8, %, Grind percentage, 6 | [NVT] |
| #COLUMNINFO = 9, %, Organische stof percentage, 7 | [NVT] |
| #COLUMNVOID = 1, -9999.99 | [NVT] |
| #COLUMNVOID = 2, -9999.99 | [NVT] |
| #COLUMNVOID = 3, -9999.99 | [NVT] |
| #COLUMNVOID = 4, -9999.99 | [NVT] |
| #COLUMNVOID = 5, -9999.99 | [NVT] |
| #COLUMNVOID = 6, -9999.99 | [NVT] |
| #COLUMNVOID = 7, -9999.99 | [NVT] |
| #COLUMNVOID = 8, -9999.99 | [NVT] |
| #COLUMNVOID = 9, -9999.99 | [NVT] |
| #LASTSCAN = 15 | Aantal records |
| #REPORTCODE = GEF-BORE-Report,1,0,0 | [NVT] |
| #MEASUREMENTCODE = Onbekend,-,-,- | [NVT] |
| #TESTID = B33G0042 | Boor-ID |
| #XYID = 31000,207740,455710 | X coordinaat (RD)  Y-coordinaat RD |
| #ZID = 31000,10.34 | Maaiveldhoogte (NAP) |
| #MEASUREMENTTEXT = 3, Brummen, plaatsnaam | Loactienaam |
| #MEASUREMENTTEXT = 6, Steenhuis Dr. J.F., beschrijver lagen | Beschrijver |
| #MEASUREMENTTEXT = 9, maaiveld, vast horizontaal niveau |  |
| #MEASUREMENTTEXT = 13, Hollander J. Apeldoorn, boorbedrijf | Uitvoerder |
| #MEASUREMENTTEXT = 16, 1946-01-01, datum boring | Datum boring |
| #MEASUREMENTTEXT = 31, PUL, boormethode | boormethode |
| #MEASUREMENTTEXT = 7, Rijksdriehoeksmeting, locaal coÃ¶rdinatensysteem | [NVT] |
| #MEASUREMENTTEXT = 8, Normaal Amsterdams Peil, locaal referentiesysteem | [NVT] |
| #MEASUREMENTVAR = 16, 35.00, m, einddiepte | eindDiepte |
| #MEASUREMENTTEXT = 14, Nee, openbaar |  |
| #MEASUREMENTTEXT = 17, Onbekend, vochtigheidstoestand grond |  |
| #MEASUREMENTTEXT = 18, Ja, peilbuis aanwezig | Peilbuis aanwezig |
| #MEASUREMENTVAR = 19, 1, -, aantal peilbuizen | Aantal peilbuizen |