==========

VIEW WS_SE_Piping

Alfred M. Drenth
Waterschap Noorderzijlvest
15 sept 2017

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```
 CREATE VIEW WS_SE_Piping AS SELECT SE_ID, SE_Name,
ME_ID, SSM_ID
   FROM Segment WHERE SE_Name LIKE '6001_Pip%'
  OR SE_Name LIKE '6002_Pip%'
  OR SE_Name LIKE '6003_Pip%'
  OR SE_Name LIKE '6004_Pip%'
  OR SE_Name LIKE '6005_Pip%'
  OR SE_Name LIKE '6006_Pip%'
  OR SE_Name LIKE '6007_Pip%'
  OR SE_Name LIKE '6017_Pip%'
  OR SE_Name LIKE '6018_Pip%'
  OR SE_Name LIKE '6019_Pip%'
  OR SE_Name LIKE '6020_Pip%'
  OR SE_Name LIKE '6021_Pip%'
  OR SE_Name LIKE '6022_Pip%'
  OR SE_Name LIKE '6023_Pip%'
  OR SE_Name LIKE '6024_Pip%'
  OR SE_Name LIKE '6025_Pip%'
  OR SE_Name LIKE '6026_Pip%'
  OR SE_Name LIKE '6027_Pip%';
```

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VIEW WS_SE_Stability

Alfred M. Drenth
Waterschap Noorderzijlvest
15 sept 2017

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```
 CREATE VIEW WS_SE_Stability AS SELECT SE_ID,
SE_Name, ME_ID, SSM_ID
   FROM Segment WHERE SE_Name LIKE '6001_Stab%'
```

```
  OR SE_Name LIKE '6002_Stab%'
  OR SE_Name LIKE '6003_Stab%'
  OR SE_Name LIKE '6004_Stab%'
  OR SE_Name LIKE '6005_Stab%'
  OR SE_Name LIKE '6006_Stab%'
  OR SE_Name LIKE '6007_Stab%'
  OR SE_Name LIKE '6017_Stab%'
  OR SE_Name LIKE '6018_Stab%'
  OR SE_Name LIKE '6019_Stab%'
  OR SE_Name LIKE '6020_Stab%'
  OR SE_Name LIKE '6021_Stab%'
  OR SE_Name LIKE '6022_Stab%'
  OR SE_Name LIKE '6023_Stab%'
  OR SE_Name LIKE '6024_Stab%'
  OR SE_Name LIKE '6025_Stab%'
  OR SE_Name LIKE '6026_Stab%'
  OR SE_Name LIKE '6027_Stab%';


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update Materials
   SET MA_Descr =
      CASE MA_Name
        WHEN    "H_Mg_zm"       THEN "Matig fijn
tot zeer grof getijdengeulzand"
        WHEN    "H_Mg_zf"       THEN "Uiterst fijn
tot matig fijn getijdengeulzand"
        WHEN    "H_Mg_zk"       THEN "Uiterst fijn
tot matig fijn getijdengeulzand met dunne klei- en
silt laagjes"
        WHEN    "H_Mp_zf"       THEN "Zandige
getijdenplaatafzettingen"
        WHEN    "H_Mr_kz"       THEN
"Getijdenrestgeulopvulling"
        WHEN    "H_Mkw_z&k"     THEN "Afzettingen
van kleine getijdenplaat- en kweldergeulen"
        WHEN    "H_Mp_k"        THEN "Kleiige
getijdenplaat- en kwelderafzettingen"
        WHEN    "H_Mp_ko"       THEN "Organisch
rijke getijdenplaat- en kwelderafzettingen"
        WHEN    "H_Ml_ko"       THEN "Lagunaire
afzetting"
        WHEN    "H_Eg_zm"       THEN "Matig fijn
tot zeer grof estuarien getijdengeulzand"
        WHEN    "H_Eg_z&k"      THEN "Uiterst fijn
```

```
tot matig fijn estuarien getijdengeulzand"
        WHEN    "H_Rg_zg"       THEN "Zeer grof tot
uiterst grof rivierbeddingszand"
        WHEN    "H_Rg_zm"       THEN "Matig fijn
tot zeer grof rivierbeddingszand"
        WHEN    "H_Rg_zf"       THEN "Uiterst fijn
tot matig fijn zand rivierbeddingszand"
        WHEN    "H_Rr_o&z"      THEN
"Rivierrestgeulopvulling"
        WHEN    "H_Ro_z&k"      THEN "Oever-,
crevasse- en dijkdoorbraakafzettingen"
        WHEN    "H_Rk_k"        THEN "Hogere
komafzettingen"
        WHEN    "H_Rk_k&v"      THEN "Lagere
komafzettingen met afwisseling van kleien
veenlagen"
        WHEN    "H_Rk_ko"       THEN "Lagere
komafzettingen met organische klei"
        WHEN    "H_Rk_vk"       THEN "Lagere
komafzetting van kleiig veen"
        WHEN    "H_Vhv_v"       THEN "Veen"
        WHEN    "H_Vbv_v"       THEN "Gecompacteerd
veen"
        WHEN    "H_Ova_zm"      THEN "Matig fijn
tot zeer grof zand"
        WHEN    "H_Ova_zf"      THEN "Uiterst fijn
tot matig fijn zand"
        WHEN    "H_Aa_ht"       THEN "Aangebracht
materiaal"
        WHEN    "P_Mg_zm"       THEN "Matig fijn
tot zeer grof getijdengeulzand"
        WHEN    "P_Mg_zk"       THEN "Uiterst fijn
tot matig fijn getijdengeulzand met dunne klei en
silt laagjes"
        WHEN    "P_Mp_k"        THEN "Kleiige
getijdenplaat- en kwelderafzettingen"
        WHEN    "P_Rg_zg"       THEN "Zeer grof tot
uiterst grof rivierbeddingszand"
        WHEN    "P_Rg_zm"       THEN "Matig fijn
tot zeer grof rivierbeddingszand"
        WHEN    "P_Rg_zf"       THEN "Uiterst fijn
tot matig fijn zand rivierbeddingszand"
        WHEN    "P_Rk_k&s"      THEN "Kleiige en
siltige komafzetting"
        WHEN    "P_Rbk_zm"      THEN "Zeer fijn tot
zeer grofzandige beekafzetting"
```

```
        WHEN    "P_Rbk_z&s"     THEN "Heterogene
beekafzetting met zand en siltlagen"
        WHEN    "P_Wrd_zm"      THEN "Matig fijn
tot matig grofzandige windafzetting(rivierduin)"
        WHEN    "P_Wdz_zf"      THEN "Matig
fijnzandige windafzetting (dekzand of stuifzand)"
        WHEN    "P_Wls_s"       THEN "Siltige
windafzetting (löss)"
        WHEN    "P_Gs_zg"       THEN "Matig grof
tot uiterst grof smeltwaterzand en
hellingafzettingen"
        WHEN    "P_Ggs_zg"      THEN "Gestuwde
afzetting"
        WHEN    "P_Gkl_kz"      THEN "Keileem"
        WHEN    "P_Om_zf"       THEN "Fijnzandige
en compacte meerafzetting"
        WHEN    "P_Om_k"        THEN "Kleiige en
compacte meerafzetting (potklei)"
        WHEN    "P_Ova_sd"      THEN "Slecht
doorlatend"
      END
COMMIT;



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     VIEW WS_ScenariosStability

Alfred M. Drenth
Waterschap Noorderzijlvest
25 sept 2017

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CREATE VIEW WS_ScenariosStability AS
 SELECT SP1D.SP1D_NAME    AS Scenario ,
SP1D.SP1D_ID AS ORG_ID      , SP1D.BOTTOMLEVEL AS
Onderkant,
    SSP.PROBABILITY * 100 AS Kans     ,
SL1D.LAYERNUMBER AS Volgorde, MA.MA_NAME AS
Materiaal       ,
    SL1D.TOPLEVEL         AS Bovenkant,(
    CASE
        WHEN SL1D.LAYERNUMBER = 0
        THEN ABS(SL1D.TOPLEVEL)
```

```
        WHEN SL1D.LAYERNUMBER >= 1
        THEN
            CASE
                WHEN SL1D.LAYERNUMBER =
                    (SELECT MAX(SL1D.LAYERNUMBER)
                       FROM SoilProfile1D SP1D,
StochasticSoilProfile SSP, SoilLayer1D SL1D
,
                         Materials MA          ,
LayerParameterValues LPV3, LayerParameterValues
LPV4,
                         LayerParameterValues LPV5
                      WHERE SSP.SP1D_ID =
SP1D.SP1D_ID
                        AND SL1D.SP1D_ID =
SP1D.SP1D_ID
                        AND SL1D.MA_ID = MA.MA_ID
                        AND LPV3.SL1D_ID =
SL1D.SL1D_ID
                        AND LPV4.SL1D_ID =
LPV3.SL1D_ID
                        AND LPV5.SL1D_ID =
LPV4.SL1D_ID
                        AND LPV3.PN_ID = 3
                        AND LPV4.PN_ID = 4
                        AND LPV5.PN_ID = 5
                        AND SSP.SSM_ID IN
                        (SELECT SSM_ID FROM
WS_SE_Stability
                        )
                    )
                THEN ABS(SP1D.BOTTOMLEVEL -
SL1D.TOPLEVEL)
                ELSE ABS(
                    (SELECT SL2D.TOPLEVEL
                       FROM SoilLayer1D SL2D
                      WHERE SL2D.SL1D_ID >
SL1D.SL1D_ID LIMIT 1
                    ) -(SL1D.TOPLEVEL))
            END
    END)          AS hoogte, REPLACE(LPV3.PV_Value,
'0.0', '') IsAquifer, LPV4.PV_VALUE AS
MaximumTopLevel,
    LPV5.PV_VALUE AS MinimumTopLevel
   FROM SoilProfile1D SP1D, StochasticSoilProfile
SSP, SoilLayer1D SL1D         ,
```

```
    Materials MA          , LayerParameterValues
LPV3, LayerParameterValues LPV4,
    LayerParameterValues LPV5
  WHERE SSP.SP1D_ID = SP1D.SP1D_ID
    AND SL1D.SP1D_ID = SP1D.SP1D_ID
    AND SL1D.MA_ID = MA.MA_ID
    AND LPV3.SL1D_ID = SL1D.SL1D_ID
    AND LPV4.SL1D_ID = LPV3.SL1D_ID
    AND LPV5.SL1D_ID = LPV4.SL1D_ID
    AND LPV3.PN_ID = 3
    AND LPV4.PN_ID = 4
    AND LPV5.PN_ID = 5
    AND SSP.SSM_ID IN
    (SELECT SSM_ID FROM WS_SE_Stability
    )
ORDER BY SP1D_NAME, LAYERNUMBER;



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    Haal de data op tbv CSV

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 SELECT
Volgorde||";"||Materiaal||";"||Bovenkant||";"||Hoog
te||";"||"Beschrijving"||";"||IsAquifer||";"||

MaximumTopLevel||";"||MinimumTopLevel||";"||"Opmerk
ing"||";"||Scenario||";"||Onderkant||";"||Kans
   FROM WS_ScenariosStability
ORDER BY Scenario, Volgorde;



"Naam"||";"||"materiaal"||";"||"bovenkant"||";"||"a
"||";"||"b"||";"||"c"||";"||"d"||";"||"e"||";"||"f"
```