



## New in PLog Version 4.1

We have listened to user input and have implemented many ideas into PLog version 4.1 to make your digital logging experience better. Enhancements include:

- USCS and AASHTO symbols in one log - You can enter both USCS and AASHTO symbols on one boring log in PLog.

**Classification**

Deposition Env.: Alluvium  
 % sand: 80 % fines: 10  
 % gravel: 10 USCS: SW-SM  
 Gradation: well graded  
 Fines: silt  
 Grain Size: fine to medium  
 Angularity: well rounded  
 Structure: fissured  
 WELL GRADED SAND WITH SILT  
 SILTY SAND (SW-SM) [A-2-4] - 10%

- USCS Calculator – By popular request we have added a USCS calculator which allows you to visually classify soils based on ASTM D 2488. Now you can evaluate and enter the percentage of fines, percentage of sand and percentage of gravel along with soil's plasticity, toughness, dry strength and dilatancy on your PDA. PLog uses these parameters to determine the USCS code and group name of the soil for you.

**Other Info**

Discontinuity: widely fissured  
 Bedding: very thinly  
 AASHTO: A-2-4  
 Comments: some comments

- More customizable description options for soil and rock - Soil now has staining, toughness, dry strength, and dilatancy. Rock now has additional sedimentary structure options, staining, odor and more.
- Bluetooth GPS integration – you can download your coordinates to your PDA without opening the protective case.
- Two attribute Stick-Log – View an entire boring log for any two component attributes available in PLog for SPT tests. You can quickly and easily get a general overview of a complete log while in the field.
- Easier navigation - The borehole refusal/termination items are now on the main navigation list - separate from the Borehole info form.
- A third set of minor constituents are now available - You can now log a description as detailed as *Silty SAND with GRAVEL (SM) dense, pale yellow, subangular, fine to coarse Sand, trace Gravel and Silt, some Shell Fragments* without using the comments field!
- More room for comments - The comments field at the end of each soil and rock description has been doubled in size to add more note taking capabilities. Also, for all long fields scroll bars have been added.
- Review descriptions more easily - Scrollbars have been added to the description field in the PLog component model forms to allow you to view the complete soil or rock description by scrolling.

**Stick Log** B-1

Parameter 1: Primary Consistency  
 Parameter 2: Primary Major Consti

Depth	Primary Consistency	Primary Major
10.0	loose	sand
15.0	medium dense	sand
20.0	very stiff	clay
27.0	hard	fat clay

**Consistency**

Previous Bottom Depth (ft): 1  
 Top Depth (ft): 1  
 Bottom Depth (ft): 6  
 Soil class: Coarse grained  
 Format: Single  
 very loose  
 Description: WELL GRADED SAND WITH SILT, SILTY SAND (SW-SM) - 10% fines, 80% sand, 10% gravel, green, moist

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- You can now create different default sampling intervals for SPT, Thin Wall Sample, Other Sample, Rock Sample, Advancement Rate and DMT Tests.

- You can enable/disable the capability to record multiple shear strength measurements depending on your company's procedures.
- For those logging in English units, you can log sample lengths and recovery lengths in inches

or feet. Your field results will always be sent to gINT in your standard reporting format (feet or inches). PLog still supports logging in metric units.

- You can disable the 4<sup>th</sup> SPT interval if your company doesn't record the blows for the 4<sup>th</sup> interval.
- PLog will automatically fill in the rock sample top depth with the bottom depth from your previous core. And you can now use the auto increment button to specify the bottom depth of the rock core based on the default depth interval.
- You can now input the RQD for a rock layer for those scenarios where you want to define the RQD as the material changes, not as the core run changes.
- You can now record notes for each groundwater measurement such that anything unusual can be tied to a specific water level.
- PLog fully supports nested wells. You can add different materials for each depth interval during your well construction such as 3 different casings. You define the characteristics of each material (category, name, type, diameter, etc.) you use for monitoring well construction on the PC or on the PDA. Then simply select it during well construction. Data entry is easier and quicker because you can enter data using your company nomenclature with fewer clicks.
- Enhanced well construction information such as date installed and installer.
- Enhanced support for Palm OS 5.x.
- Text Macros can now be configured on the PC or on the PDA to increase consistency among users.
- Discontinuities can now be logged as part of a rock layer directly. (This feature requires gINT version 7 or later to take advantage of the data for reporting).
- You can now record dilatometer (DMT) test data on the PDA. Dataforensics is creating a gINT rules application that can be purchased separately to calculate and report your DMT data.

And more!

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PLog already has many functions and features in its system to make your life easier; whether collecting or reporting data. PLog has a PC module which allows you to customize soil or rock description items you collect. You can even decide terms are used for specific description items.

Call us today at 678-406-0106 and ask for Katie to set up a FREE, live, on-line demonstration so you can learn how PLog can help you produce better boring log reports and analyses faster!

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