

## Near-Surface Shear Wave Velocity Versus Depth Profiles, Vs30, and Nehrp Classifications for 27 Sites in Puerto Rico: Open-File Report 2007-1174 (Paperback)



Filesize: 1.25 MB

### ***Reviews***

*Very useful to all of group of folks. I could possibly comprehended every little thing using this created e book. You wont truly feel monotony at anytime of your time (that's what catalogs are for concerning in the event you ask me).*

*(Claire Carroll DVM)*

## NEAR-SURFACE SHEAR WAVE VELOCITY VERSUS DEPTH PROFILES, VS30, AND NEHRP CLASSIFICATIONS FOR 27 SITES IN PUERTO RICO: OPEN-FILE REPORT 2007-1174 (PAPERBACK)



Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.In 2004 and 2005 the Puerto Rico Seismic Network (PRSN), Puerto Rico Strong Motion Program (PRSM) and the Geology Department at the University of Puerto Rico-Mayaguez (UPRM) collaborated with the U.S. Geological Survey to study near-surface shear-wave ( $V_s$ ) and compressional-wave ( $V_p$ ) velocities in and around major urban areas of Puerto Rico. Using noninvasive seismic refraction-reflection profiling techniques, we acquired velocities at 27 locations. Surveyed sites were predominantly selected on the premise that they were generally representative of near-surface materials associated with the primary geologic units located within the urbanized areas of Puerto Rico. Geologic units surveyed included Cretaceous intrusive and volcanoclastic bedrock, Tertiary sedimentary and volcanic units, and Quaternary unconsolidated eolian, fluvial, beach, and lagoon deposits. From the data we developed  $V_s$  and  $V_p$  depth versus velocity columns, calculated average  $V_s$  to 30-m depth ( $VS30$ ), and derived NEHRP (National Earthquake Hazards Reduction Program) site classifications for all sites except one where results did not reach 30-m depth. The distribution of estimated NEHRP classes is as follows: three class E ( $VS30$  below 180 m/s), nine class D ( $VS30$  between 180 and 360 m/s), ten class C ( $VS30$  between 360 and 760 m/s), and four class B ( $VS30$  greater than 760 m/s). Results are being used to calibrate site response at seismograph stations and in the development of regional and local shakemap models for Puerto Rico.



[Read Near-Surface Shear Wave Velocity Versus Depth Profiles, Vs30, and Nehrp Classifications for 27 Sites in Puerto Rico: Open-File Report 2007-1174 \(Paperback\) Online](#)



[Download PDF Near-Surface Shear Wave Velocity Versus Depth Profiles, Vs30, and Nehrp Classifications for 27 Sites in Puerto Rico: Open-File Report 2007-1174 \(Paperback\)](#)

## Related eBooks



### **Ohio Court Rules 2013, Practice Procedure (Paperback)**

Createspace, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Superseded by 2014 Edition. This title is available, but should be relied...

[Download ePub »](#)



### **Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)**

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download ePub »](#)



### **Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)**

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Download ePub »](#)



### **Variations on an Original Theme Enigma , Op. 36: Study Score (Paperback)**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Dedicated to my friends pictured within, Elgar s orchestral showpiece started...

[Download ePub »](#)



### **Ohio Court Rules 2012, Government of Bench Bar (Paperback)**

Createspace, United States, 2011. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Superseded by 2013 Edition. This title is available, but should be relied upon...

[Download ePub »](#)

**Cello Concerto, Op. 104 / B. 191: Study Score (Paperback)**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Dvorak had long refused the repeated requests for a cello concerto

[Download eBook »](#)

**Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book (Paperback)**

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A #1 Best Selling Children s Book

[Download eBook »](#)

**I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)**

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy

[Download eBook »](#)

**The Noon Witch, Op. 108 / B. 196: Study Score (Paperback)**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 240 x 168 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The third of the four late tone poems inspired by Bouquet,

[Download eBook »](#)

**Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English] (Paperback)**

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to

[Download eBook »](#)