The Water That Was Rome

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http://engineeringworks.tamu.edu/2010/12/
Outline

- History
- Aqueducts
- Marvels of Rome
- Summary
History

- Location
- Currently largest city in Italy
- Roman Empire

http://en.wikipedia.org/wiki/ROME
# Roman Aqueducts

<table>
<thead>
<tr>
<th>Aqueduct</th>
<th>Date</th>
<th>Builder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aqua Appia</td>
<td>312 BC</td>
<td>Appius Claudius Caecus</td>
</tr>
<tr>
<td>Aqua Anio Vetus</td>
<td>272 - 269 BC</td>
<td>Fulvius Flaccus</td>
</tr>
<tr>
<td>Aqua Marcia</td>
<td>144 - 140 BC</td>
<td>Q. Marcius Rex</td>
</tr>
<tr>
<td>Aqua Tepula</td>
<td>126 BC</td>
<td>G. Servilius Caepio L. Cassius Longinus</td>
</tr>
<tr>
<td>Aqua Julia</td>
<td>33 BC</td>
<td>Marcus Agrippa</td>
</tr>
<tr>
<td>Aqua Virgo</td>
<td>19 BC</td>
<td>Marcus Agrippa</td>
</tr>
<tr>
<td>Aqua Alsietina</td>
<td>2 BC</td>
<td>Augustus</td>
</tr>
<tr>
<td>Aqua Claudia</td>
<td>38 - 52 AD</td>
<td>Caligula and Claudius</td>
</tr>
<tr>
<td>Aqua Anio Novus</td>
<td>38 - 52 AD</td>
<td>Caligula and Claudius</td>
</tr>
<tr>
<td>Aqua Traiana</td>
<td>103 AD</td>
<td>Trajan</td>
</tr>
<tr>
<td>Aqua Alexandrina</td>
<td>226 AD</td>
<td>Alexander Severus</td>
</tr>
</tbody>
</table>
Roman Population

- The largest population was 1 million people
- Could supply 264 gallons of water per person per day
- The average American uses 150 gallons of water per day
- The average Englishman uses 31 gallons of water
- The average Ethiopian uses 3 gallons of water

http://www.earth-photography.com/Countries/Italy/Italy_Rome_Fountain.html
Other Architecture of Rome

- The Colosseum
  - “Flavian Amphitheater”
  - Dimensions and capacity
  - Uses: gladiators, animals, and sea battles
  - Hypogeum


http://thundafunda.com/33/World-tour/Colosseum,%20Rome,%20Italy%20pictures.html
Other Architecture of Rome

- Circus Maximus
  - Chariot racing
  - Size and capacity

http://persweb.wabash.edu/facstaff/royalty/AncientCities/web/bradleyj/Project%201/Circusmaximus.html
Pantheon

- “Gift to all gods”
- Dome: 43m (142 ft.) diameter
- Amount of concrete and granite used

http://www.valenciastonesarasota.com/stonehistory.html
Summary

- Technologically advanced
- Buildings/Inventions last a long time
- Motives behind large-scale projects
- Marvel of Roman Empire

http://www.roman-empire-map.askricktoday.com/
Questions?
References


