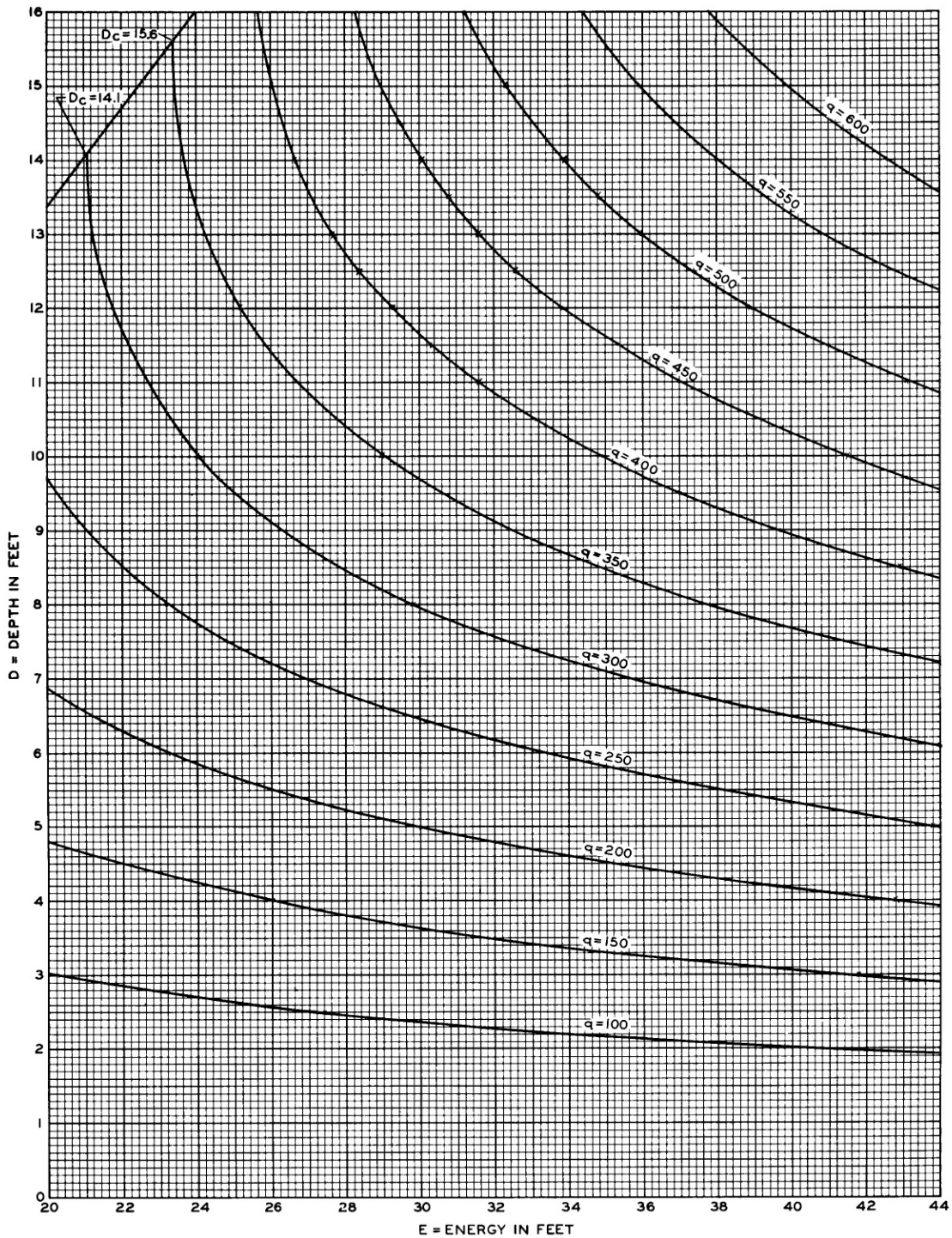
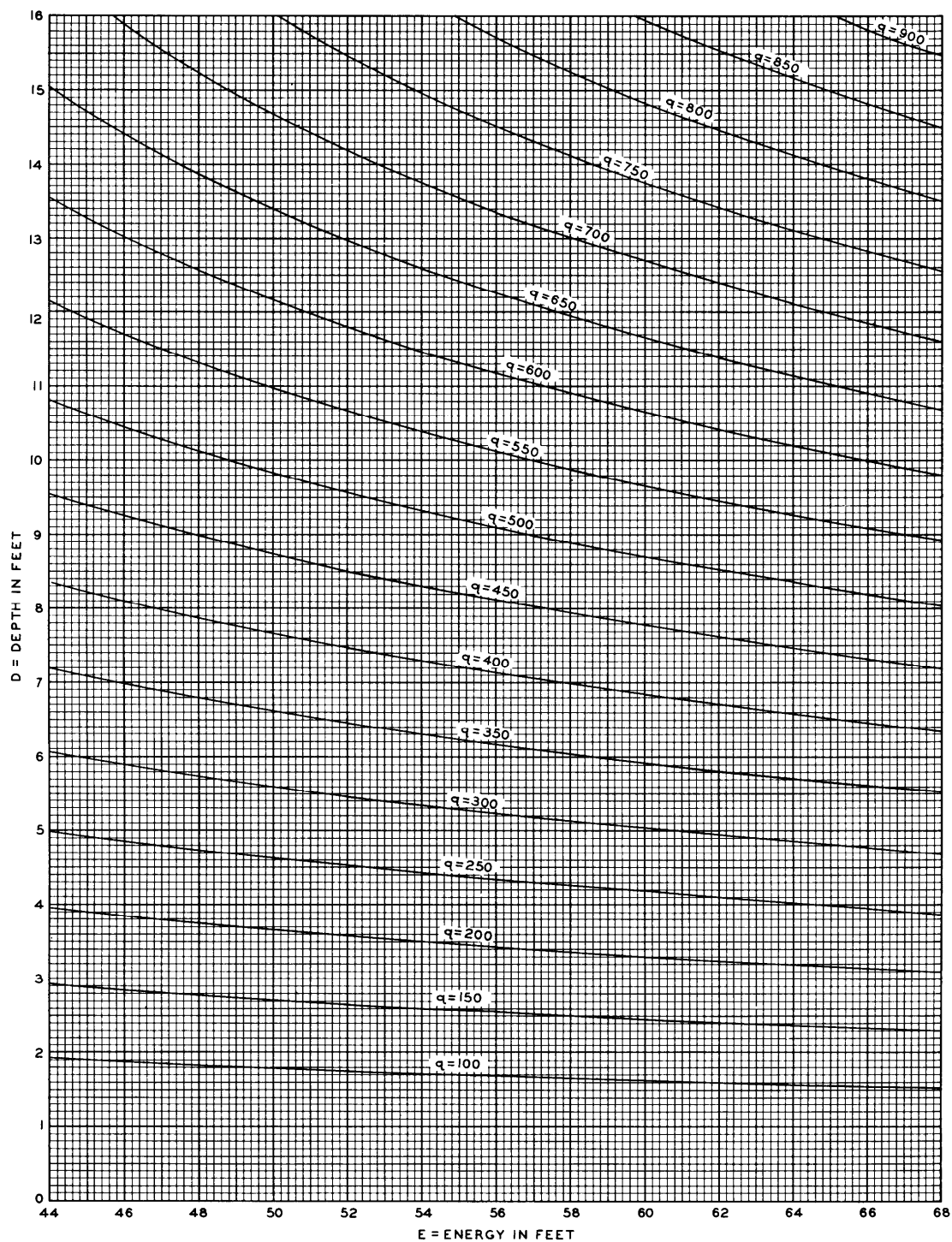


شکل (۷-۱۲): منحنی‌های انرژی-ارتفاع در کانال باز.



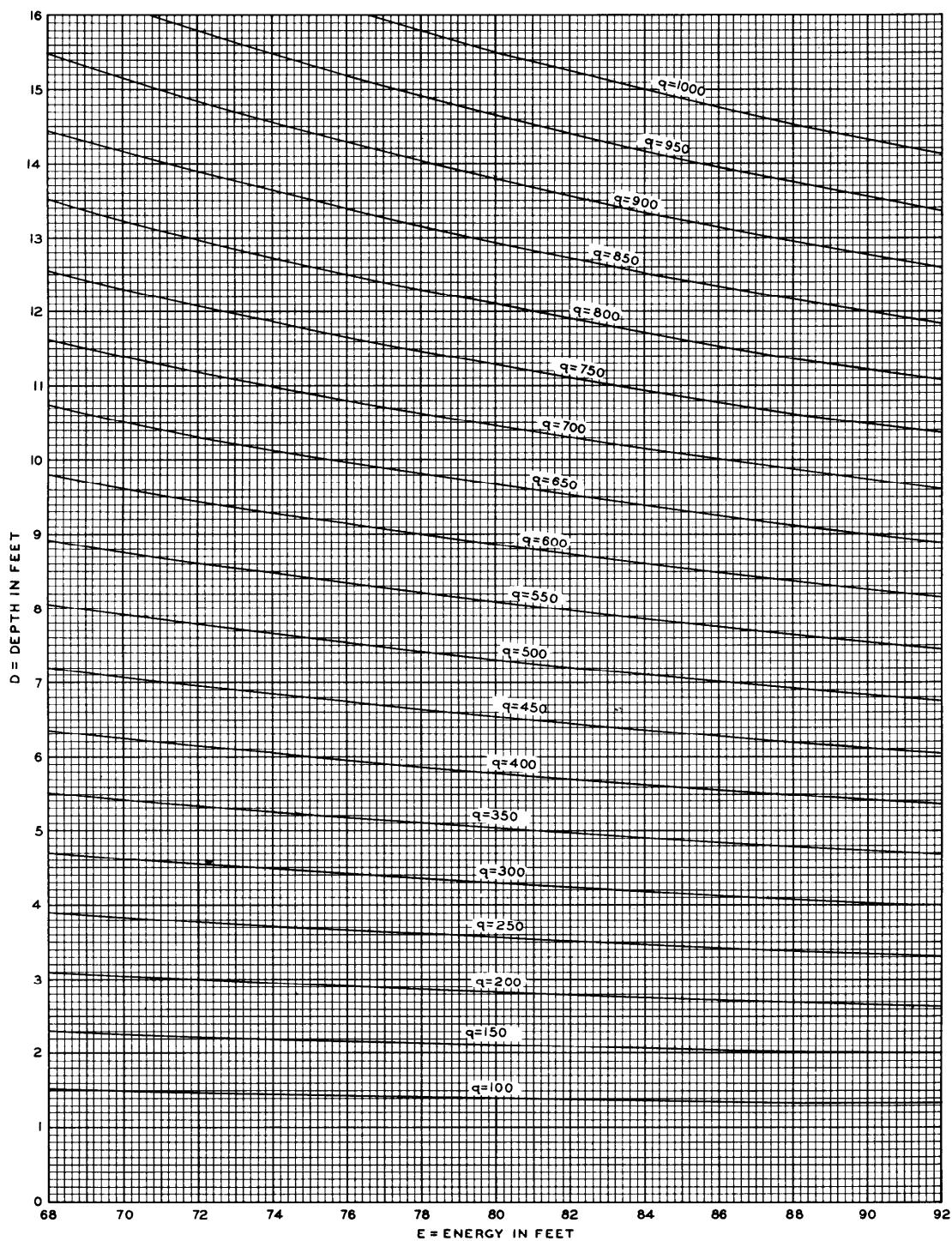
D = DEPTH IN FEET.  
 $D_c$  = CRITICAL DEPTH IN FEET.  
 q = DISCHARGE PER FOOT OF WIDTH IN CFS.  
 E = ENERGY IN FEET ( $E = D + \frac{V^2}{2g}$ ).  
 V = VELOCITY IN FT PER SEC.

**ENERGY-DEPTH CURVES**  
 SUPERCritical FLOW  
 ENERGY-20 TO 44 FEET  
 HYDRAULIC DESIGN CHART 123-2



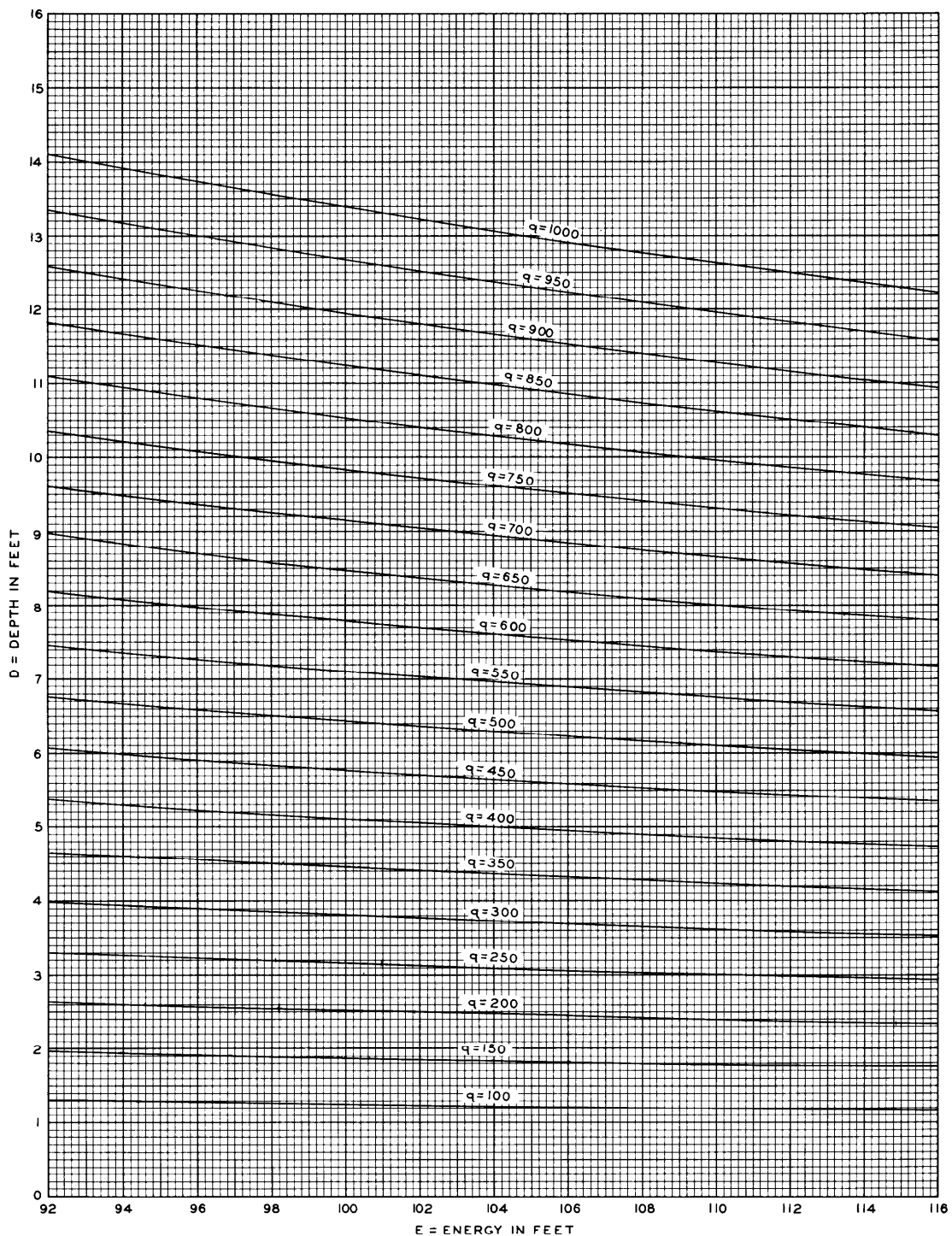
D = DEPTH IN FEET.  
 $D_c$  = CRITICAL DEPTH IN FEET.  
 q = DISCHARGE PER FOOT OF WIDTH IN CFS.  
 E = ENERGY IN FEET  $(E = D + \frac{V^2}{2g})$ .  
 V = VELOCITY IN FT PER SEC.

**ENERGY-DEPTH CURVES**  
**SUPERCritical FLOW**  
 ENERGY-44 TO 68 FEET  
 HYDRAULIC DESIGN CHART 123-3



D = DEPTH IN FEET.  
 $D_c$  = CRITICAL DEPTH IN FEET.  
 q = DISCHARGE PER FOOT OF WIDTH IN CFS.  
 E = ENERGY IN FEET  $(E = D + \frac{V^2}{2g})$ .  
 V = VELOCITY IN FT PER SEC.

**ENERGY-DEPTH CURVES**  
**SUPERCritical FLOW**  
**ENERGY-68 TO 92 FEET**  
 HYDRAULIC DESIGN CHART 123-4



D = DEPTH IN FEET.  
 $D_c$  = CRITICAL DEPTH IN FEET.  
 q = DISCHARGE PER FOOT OF WIDTH IN CFS.  
 E = ENERGY IN FEET ( $E = D + \frac{V^2}{2g}$ ).  
 V = VELOCITY IN FT PER SEC.

**ENERGY-DEPTH CURVES**  
**SUPERCritical FLOW**  
 ENERGY-92 TO 116 FEET  
 HYDRAULIC DESIGN CHART 123-5