EXPLANATION

BASIN DRAINAGE DIVIDE

No boundary

Impermeable-barrier boundary

Line-source boundary

Line of equal transmissivity, in feet squared per day, times 1000.

Hypothetical pumping well.

1,200 — Usable storage in reservoirs, in millions of gallons.

Streamflow equaled or exceeded 90 percent of the time, in millions of gallons per day

MODEL AREA 1A
T=3100 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 195
TO 296 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.4 MILLION GALLONS
PER DAY

MODEL AREA 1B
T=3500 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 260
TO 391 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.9 MILLION GALLONS
PER DAY

MODEL AREA 2A
T=3700 FT²/DAY
5 HYPOTHETICAL WELLS PUMPING 279
TO 318 GALLONS PER MINUTE
TOTAL WITHDRAWL = 2.2 MILLION GALLONS
PER DAY

MODEL AREA 2B
T=4200 FT²/DAY
5 HYPOTHETICAL WELLS PUMPING 355
TO 485 GALLONS PER MINUTE
TOTAL WITHDRAWL = 3.0 MILLION GALLONS
PER DAY

MODEL AREA 3A
T=3900 FT²/DAY
6 HYPOTHETICAL WELLS PUMPING 72
TO 156 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.0 MILLION GALLONS
PER DAY

MODEL AREA 4A
T=5200 FT²/DAY
7 HYPOTHETICAL WELLS PUMPING 212
TO 274 GALLONS PER MINUTE
TOTAL WITHDRAWL = 2.5 MILLION GALLONS
PER DAY

MODEL AREA 4B
T=6000 FT²/DAY
7 HYPOTHETICAL WELLS PUMPING 311
TO 431 GALLONS PER MINUTE
TOTAL WITHDRAWAL = 3.8 MILLION GALLONS
PER DAY

MODEL AREA 5A
T=4800 FT²/DAY
5 HYPOTHETICAL WELLS PUMPING 244
TO 507 GALLONS PER MINUTE
TOTAL WITHDRAWL = 2.3 MILLION GALLONS
PER DAY

MODEL AREA 6A
T=7900 FT²/DAY
3 HYPOTHETICAL WELLS PUMPING 385
TO 403 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.7 MILLION GALLONS
PER DAY

MODEL AREA 6B
T=8900 FT²/DAY
3 HYPOTHETICAL WELLS PUMPING 1114
TO 1152 GALLONS PER MINUTE
TOTAL WITHDRAWL = 4.9 MILLION GALLONS
PER DAY

MODEL AREA 7A
T=5600 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 163
TO 269 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.2 MILLION GALLONS
PER DAY

MODEL AREA 7B
T=6600 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 217
TO 275 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.4 MILLION GALLONS
PER DAY

MODEL AREA 8A
T= 7300 FT²/DAY
7 HYPOTHETICAL WELLS PUMPING 357
TO 601 GALLONS PER MINUTE
TOTAL WITHDRAWL = 4.7 MILLION GALLONS
PER DAY

MODEL AREA 8B
T=8700 FT²/DAY
7 HYPOTHETICAL WELLS PUMPING 609
TO 943 GALLONS PER MINUTE
TOTAL WITHDRAWL = 7.5 MILLION GALLONS
PER DAY

MODEL AREA 9A
T=4100 FT²/DAY
3 HYPOTHETICAL WELLS PUMPING 237
TO 265 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.1 MILLION GALLONS
PER DAY

MODEL AREA 10A
T=12700 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 690
TO 1414 GALLONS PER MINUTE
TOTAL WITHDRAWL = 6.2 MILLION GALLONS
PER DAY

MODEL AREA 11A
T=4800 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 316
TO 572 GALLONS PER MINUTE
TOTAL WITHDRAWL = 2.6 MILLION GALLONS
PER DAY

MODEL AREA 11B
T=5600 FT²/DAY
4 HYPOTHETICAL WELLS PUMPING 466
TO 798 GALLONS PER MINUTE
TOTAL WITHDRAWL = 3.7 MILLION GALLONS
PER DAY

MODEL AREA 12A
T=5100 FT²/DAY
10 HYPOTHETICAL WELLS PUMPING 696
TO 901 GALLONS PER MINUTE
TOTAL WITHDRAWL = 11.4 MILLION GALLONS
PER DAY

MODEL AREA 12B
T=5900 FT²/DAY
10 HYPOTHETICAL WELLS PUMPING 960
TO 1241 GALLONS PER MINUTE
TOTAL WITHDRAWL = 16.1 MILLION GALLONS
PER DAY

MODEL AREA 13A
T=4300 FT²/DAY
11 HYPOTHETICAL WELLS PUMPING 522
TO 876 GALLONS PER MINUTE
TOTAL WITHDRAWL = 10.2 MILLION GALLONS
PER DAY

MODEL AREA 13B
T=4700 FT²/DAY
11 HYPOTHETICAL WELLS PUMPING 665
TO 1048 GALLONS PER MINUTE
TOTAL WITHDRAWL = 13.0 MILLION GALLONS
PER DAY

MODEL AREA 14A
T=2300 FT²/DAY
5 HYPOTHETICAL WELLS PUMPING 98
TO 117 GALLONS PER MINUTE
TOTAL WITHDRAWL = .8 MILLION GALLONS
PER DAY

MODEL AREA 14B
T=2600 FT²/DAY
5 HYPOTHETICAL WELLS PUMPING 131
TO 164 GALLONS PER MINUTE
TOTAL WITHDRAWL = 1.1 MILLION GALLONS
PER DAY

SUMMARY OF WATER AVAILABLE IN THE QUINNIPIAC RIVER BASIN