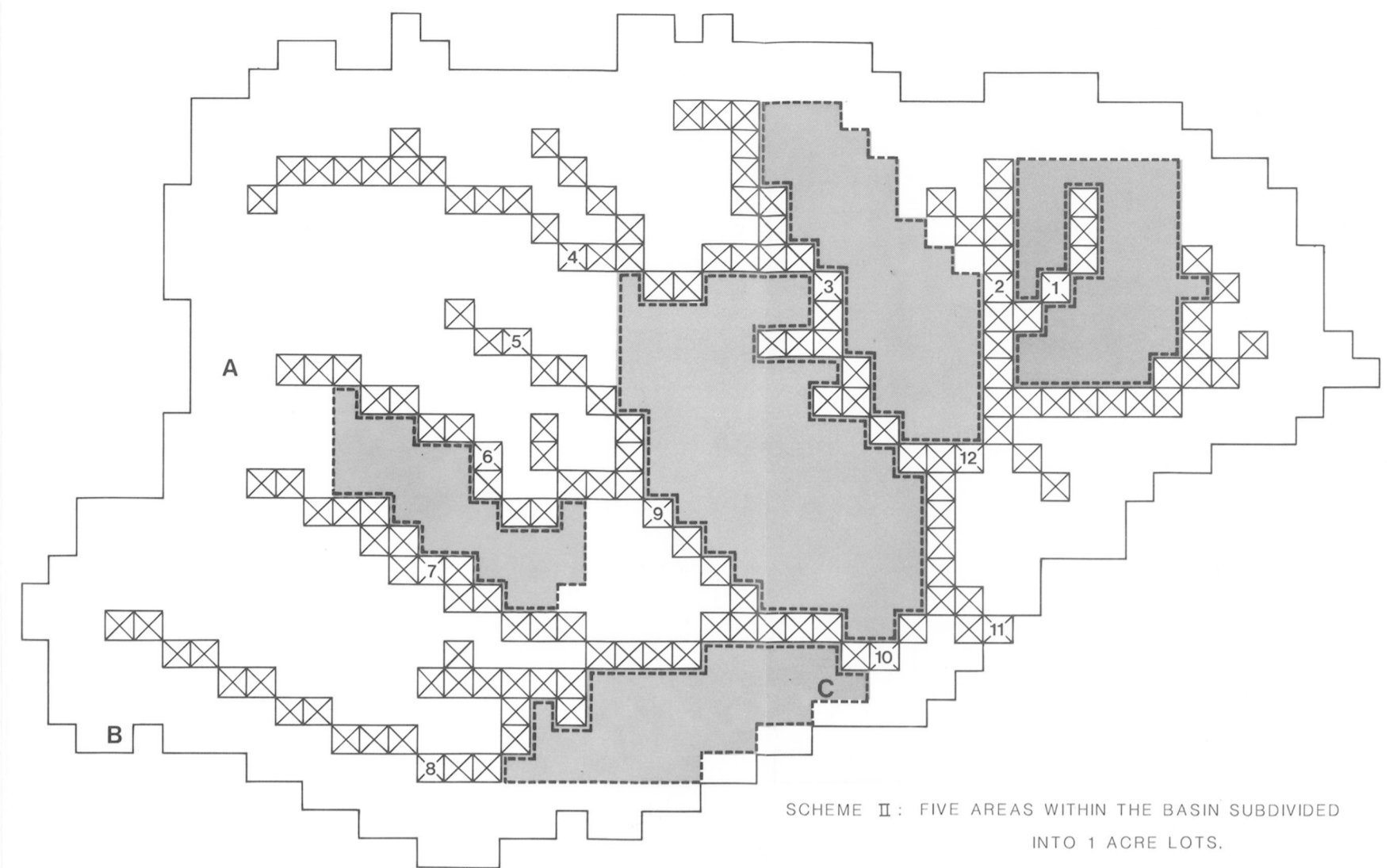


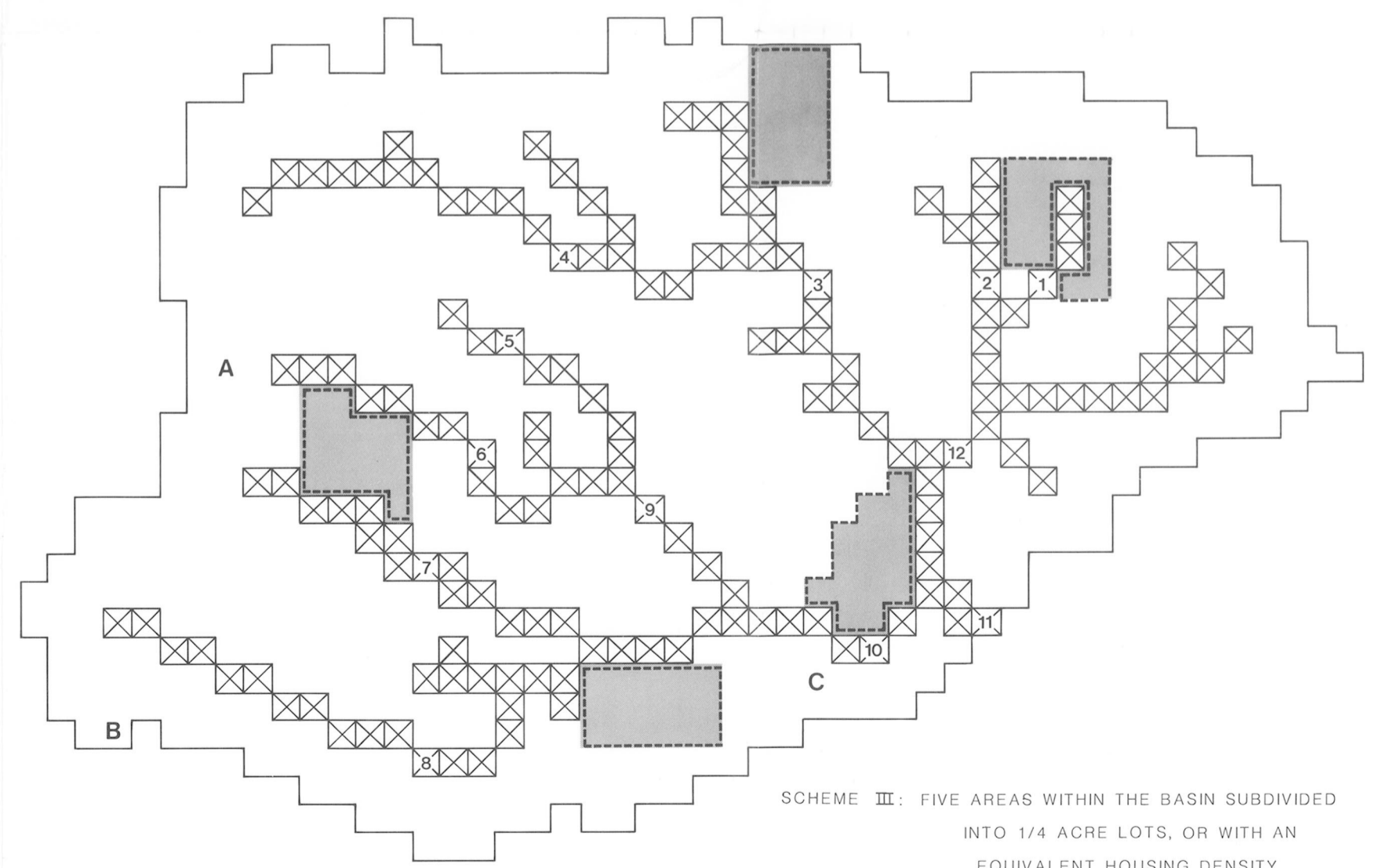
SCHEME I: BASIN SUBDIVIDED INTO 3 ACRE LOTS.



SCHEME II: FIVE AREAS WITHIN THE BASIN SUBDIVIDED INTO 1 ACRE LOTS.

EXPLANATION

- Area developed
- Stream cell
- Stream cell with simulated annual average base flow data.
- A** Cell with observation well located at its center. Data are simulated cumulative changes in annual average ground-water level for the well.



SCHEME III: FIVE AREAS WITHIN THE BASIN SUBDIVIDED INTO 1/4 ACRE LOTS, OR WITH AN EQUIVALENT HOUSING DENSITY

| LOT SIZE | SCHEME | WATER SUPPLY | | WASTE - WATER DISPOSAL | | | PERCENT PUMPAGE RETURNED TO BASIN | | | | |
|----------|-----------------|--------------|--------------|------------------------|-------------------------|------------------|-----------------------------------|----|----|----|------|
| | | On-lot well | Public wells | On each lot | Treated sewer discharge | | | 95 | 90 | 80 | None |
| | | | | | Out of basin | To basin streams | On basin land | | | | |
| 3-ACRE | Ia ₁ | • | | • | | | | • | | | |
| | Ia ₂ | • | | • | | | | | • | | |
| | Ia ₃ | • | | • | | | | | | • | |
| | Ib | • | | | • | | | | | | • |
| | Ic | | • | • | | | | | • | | |
| 1-ACRE | IIa | • | | • | | | | | • | | |
| | IIb | • | | | • | | | | | | • |
| | IIc | | • | • | | | | | • | | |
| | IId | | • | | • | | | | | | • |
| 1/4-ACRE | IIIa | | • | | • | | | | | | • |
| | IIIb | | • | | | • | | | • | | |
| | IIIc | | • | | | | • | | • | | |

Figure 31. — Hypothetical development schemes used for predictive simulations.