# CHAPTER 3: WATERSHED HYDROLOGY
# APPENDIX 3.H: EXPLANATION OF PLOTS AND TABLES

Most of the plots and tables used in Chapter 3 employ standard methods to compare and evaluate hydrologic data and models. Conventions particular to HSPF or the District are outlined in this appendix and the following appendices.

## SUBWATERSHED AND LAND ELEMENT NUMBERING

Within each HSPF model, land elements (i.e., pervious land elements [PERLND], impervious land elements [IMPLND]) and reach/reservoir elements (RCHRES) have three-digit labels. Two land element-labeling conventions have been established at the District. Which to use depends on the complexity of the watershed delineation and number of land uses. The first convention is for a watershed with 10 or more subwatersheds and 20 or fewer land uses. The second convention is for a watershed with nine or less subwatersheds, but can have up to 99 land uses. The RCHRES ID is the same as the subwatershed ID. In unusual cases, there may be more than one RCHRES per subwatershed.

Table 3.H.1. Labeling convention for 20 land uses and 44, possibly 45 subwatersheds

| Subwatershed Map Label | Land Use ID | Land element (PERLND & IMPLND) Labels* | RCHRES Labels* |
|---|---|---|---|
| 1 | 01–20 | 101–120 | 001, 101, 201,... |
| 2 | 01–20 | 121–140 | 002, 102, 202,... |
| 3 | 01–20 | 141–160 | 003, 103, 203,... |
| 4 | 01–20 | 161–180 | 004, 104, 204,... |
| 5 | 01–20 | 181–200 | 005, 105, 205,... |
| ... | ... | ... | ... |
| 43 | 01–20 | 941–960 | 043, 143, 243,... |
| 44 | 01–20 | 961–980 | 044, 144, 244,... |
| 45 | 01–20 | 981–999 (maximum of 19 land uses for this land element) | 045, 145, 245,... |

* Three-digit labels

Table 3.H.2. Labeling convention for 99 land uses and nine subwatersheds

| Subwatershed Map Label | Land Use ID | Land Element Labels* (PERLND & IMPLND) | RCHRES Labels* |
|---|---|---|---|
| 1 | 01–20 (or up to 99) | 101–120 | 001, 101, 201,... |
| 2 | 01–20 | 201–220 | 002, 102, 202,... |
| 3 | 01–20 | 301–320 | 003, 103, 203,... |
| 4 | 01–20 | 401–420 | 004, 104, 204,... |
| 5 | 01–20 | 501–520 | 005, 105, 205,... |
| 6 | 01–20 | 601–620 | 006, 106, 206,... |
| 7 | 01–20 | 701–720 | 007, 107, 207,... |
| 8 | 01–20 | 801–820 | 008, 108, 208,... |
| 9 | 01–20 | 901–920 | 009, 109, 209,... |