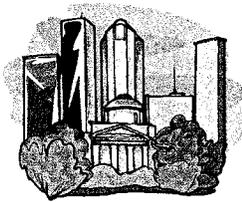


HB104 Exempt water rights

An exempt well is allowed 10 acre*ft per year (3.25 million gallons per well per year). Lewis and Clark County has built approximately 400 houses this year, which is 1.3 billion gallons a year.

City of Helena Average use is 1.8 billion gallons yearly with a average daily use for a City residence of 175 gallons per day

The amount of water allowed through the exempt water rights for the 400 houses built last year in Lewis and Clark County could supply the City of Helena for 266 days.



City Helena
Population 32,000
Yearly Use 1.8 billion gallons

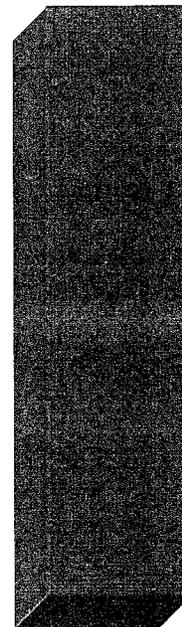


Single Family House on Well and Septic
10 acre*ft per year exemption
Allowed yearly use 3.2 million gallons

50 X Greater



Average Residential Use
175 gallons per day



Average Single Well use allowed
8,770 gallons per day

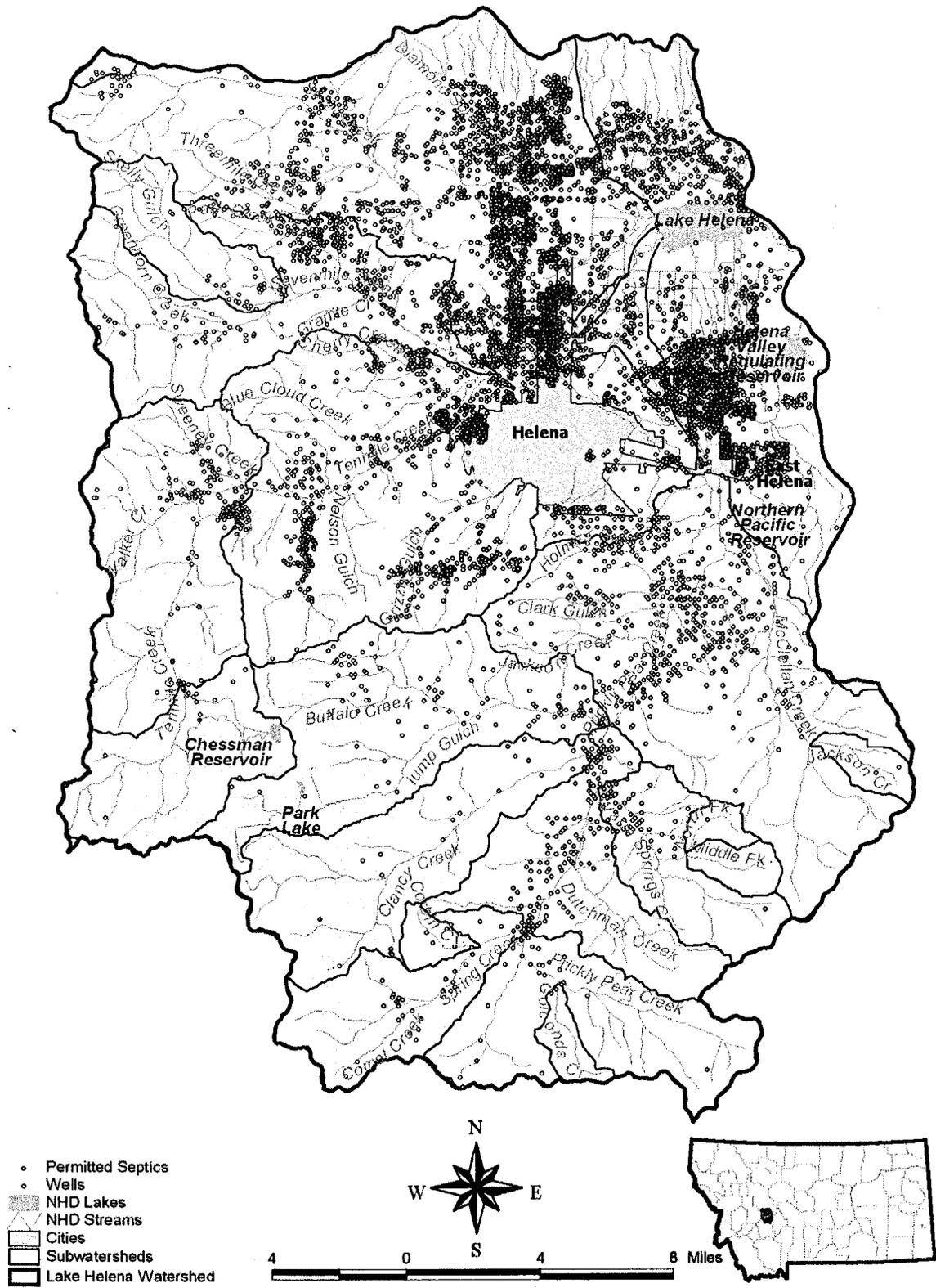
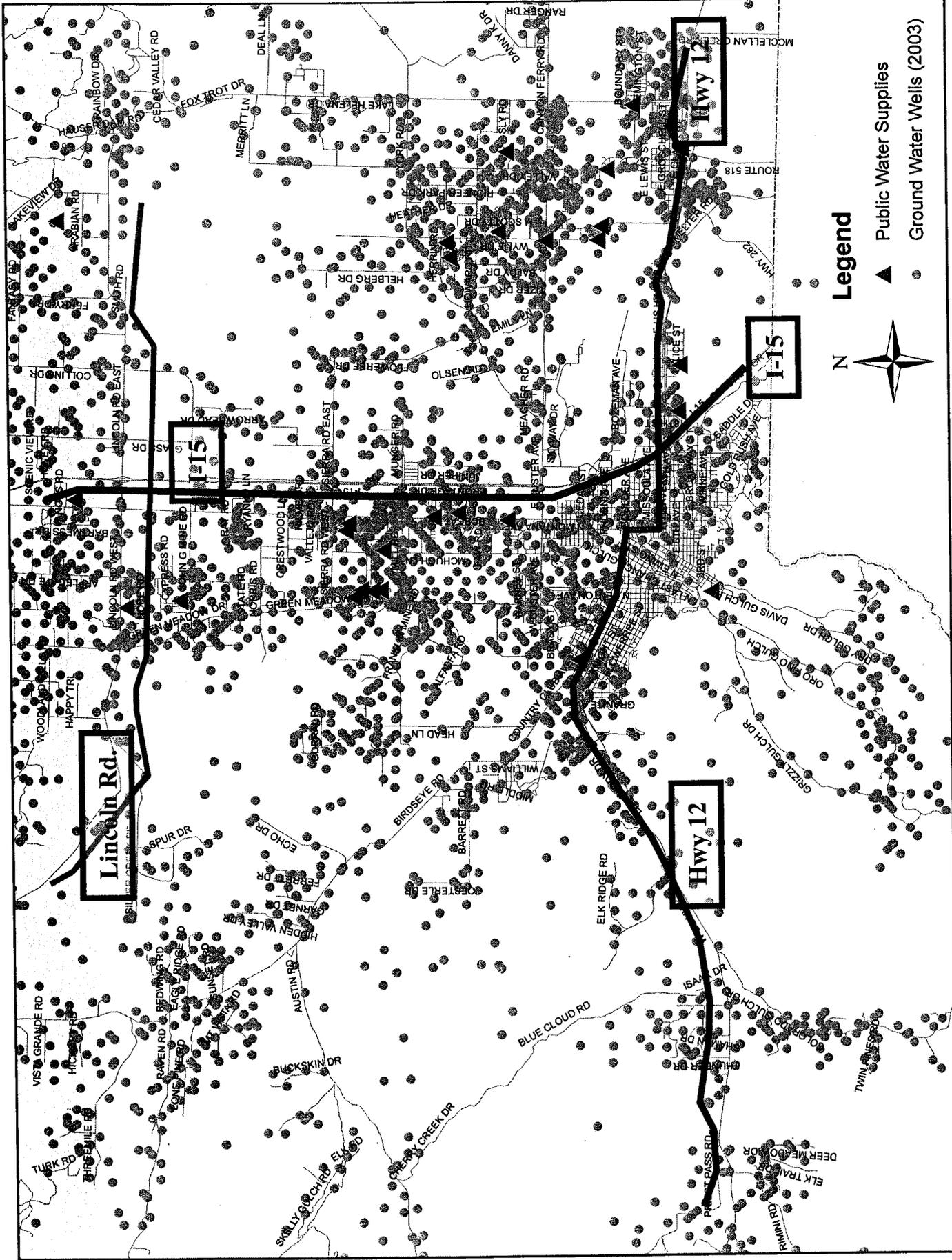


Figure 7. Permitted Septic Systems in Lewis & Clark County and Wells Coverage for the Watershed

Table 12. Population Served by Septic Systems in the Lake Helena Watershed

Subwatershed	Normally Functioning	Failing ^a	Total
Ciancy Creek	88	7	94
Corbin Creek	12	1	13
Golconda Creek	4	0	4
Jackson Creek	4	0	4
Jennies Fork	20	2	21
Lake Helena overland flow	4875	367	5,242
Lump Gulch	245	18	264
Middle Fork Warm Springs	0	0	-
Middle Tenmile Creek	207	16	222
North Fork Warm Springs Creek	2	0	2
Prickly Pear above Spring Creek	90	7	96
Prickly Pear above Lake Helena	513	39	552
Prickly Pear above Lump Gulch	474	36	510
Prickly Pear above WWTP outfall	447	34	480
Prickly Pear above Wylie Drive	1605	121	1,725
Sevenmile Creek	517	39	556
Silver Creek	8340	628	8,968
Skelly Gulch	48	4	52
Spring Creek	161	12	174
Tenmile above Prickly Pear	3004	226	3,230
Upper Tenmile Creek	26	2	28
Warm Springs Creek	157	12	169
Total	20,839	1,568	22,407

^a Assumed 7 percent of onsite systems are failing based on national average (USEPA, 2002b).



Legend

- ▲ Public Water Supplies
- Ground Water Wells (2003)

