

POND ANALYSIS SHEET
MARY COMBS, CLAIM NO. 94-9299
T47N R2W SECTION 7 SW1/4NE1/4

SOURCE: UNNAMED STREAM TRIBUTARY TO BLACK CREEK

DIMENSIONS OF POND: 36 YD (432') X 20 YD (240') X 3 FT DEEP (AS MEASURED BY CLAIMANT)

SURFACE AREA: 432 FT X 240 FT = 103,680 SQ FT

103,680 SQ FT / 43,560 CU FT = 2.38 ACRES

TOTAL POND SIZE: 2.38 ACRES X 3 FT = 7.14 ACRES

EVAPORATION = 6463 GPD X 245 DAYS / 325,850 GAL/AF = 4.86 AF

SEEPAGE = 0

STOCKWATER USAGE = 20 HEAD HORSES X 12 GPD X 365 DAYS/YR / 325,850 GAL/AF = 0.27 AF

STOCKWATER STORAGE:	A. POND SIZE	7.1 AF
	B. EVAPORATION	4.9 AF
	C. SEEPAGE	0
	D. STOCK	<u>0.3 AF</u>
	TOTAL	12.3 AF

INPUTS

CLAIM 94-9299 MARY COMBS

NOTES/SUGGESTED VALUES

POND

SURFACE AREA (SQFT) ----- 103680

AVERAGE DEPTH (FT) ----- 3.00

FILL OR REFILL RATE (CFS) ----- 0

USE 0 IF FILLED NATURALLY FROM GW

CONVERT TO GPD -----

0 GPD

REFERENCE EXAMPLE:
ESTIMATED NUMBER OF DAYS
TO FILL BASED ON PROVIDED
INPUTS -----

NA DAYS
NA HR

EVAPORATION (IN/DAY) ----- 0.1

IF UNKNOWN, USE REFERENCE ET_{px80} FROM ABOVE

CONVERT TO GPD -----

6463 GPD

EVAPORATION (GPYper year) ----- 2359046.281

7.239669421 AFFPY

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

SEEPAGE RATE (FT/DAY) ----- 0.00

SEEPAGE RATE (GPY per year) ----- 0

SEEPAGE RATE (AF PER YEAR) ----- 0 AF

(FT/DAY) 0 = NATURALLY FILLED FROM GW, OR LINED

(FT/DAY) 0.001 = CLAY SOILS

(FT/DAY) 0.01 = Ponds with vegetation, aquatic life.

(FT/DAY) 0.1 = SANDS/GRAVELS MIX (APPROX 30% OF VOLUME LOSS IN SEEPAGE)

CONVERT TO GPD -----

0 GPD

RESULTS

TOTAL AF FOR THIS WATER RIGHT

0.0 AF

IRRIGATION

0 AF

SEEPAGE AF

0.0 AF

EVAPORATION (GPYper year) -----

4.9 AFFPY

POND SIZE

7.1 AF

CAPACITY ----- 311040 CUFT
2326579 G