

POND ANALYSIS SHEET
MARY COMBS, CLAIM NO. 94-9301
T47N R2W SECTION 7 NE1/4NE1/4

SOURCE: UNNAMED STREAM TRIBUTARY TO BLACK LAKE
DIMENSIONS OF POND: 20 YD (240') X 6 YD (72') X 2.5 FT DEEP (AS MEASURED BY CLAIMANT)

SURFACE AREA: 240 FT X 72 FT = 17,280 SQ FT

17,280 SQ FT / 43,560 CU FT = 0.4 ACRES

TOTAL POND SIZE: 0.4 ACRES X 2.5 FT = 0.99 ACRES

EVAPORATION = 1077 GPD X 245 DAYS / 325,850 GAL/AF = 0.8 AF

SEEPAGE = 0

NUMBER OF WILDLIFE = UNDEFINED

WILDLIFE STORAGE:	A. POND SIZE	1.0 AF
	B. EVAPORATION	0.8 AF
	C. SEEPAGE	<u>0</u>
	TOTAL	1.8 AF

INPUTS

CLAIM 94-9301 MARY COMBS

NOTES/SUGGESTED VALUES

RESULTS

POND

SURFACE AREA (SQFT) -----

17280

AVERAGE DEPTH (FT) -----

2.50

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

0

USE 0 IF FILLED NATURALLY FROM GW

CONVERT TO GPD -----

0 GPD

TOTAL AF FOR THIS WATER RIGHT		0.0 AF
IRRIGATION		0 AF
SEEPAGE AF		0.0 AF
EVAPORATION (GPYper year)		0.8 AFPY
POND SIZE		1.0 AF
CAPACITY		43200 CUFT
		323136 G

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 ETPK80 FROM ABOVE

CONVERT TO GPD -----

1077 GPD

EVAPORATION (GPYper year) -----

393174.3802
1.20661157 AFPY
0.809917355 AFPY AT 245 DAY IN THE YEAR (FROZEN)

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

0.00

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:
(FT/DAY) 0 = NATURALLY FILLED FROM GW, OR LINED

CONVERT TO GPD -----

0 GPD

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

0

(FT/DAY) 0.001 = CLAY SOILS

(FT/DAY) 0.01 = Ponds with vegation, aquatic life.
(FT/DAY) 0.1 = SANDS/GRAVELS MIX (APPROX 30% OF VOLUME LOSS IN SEEPAGE)