

Firm Yield Defined

Presented to

District Representatives
Groundwater Management Area 12
Post Oak Savannah GCD
Fayette County GCD
Lost Pines GCD
Mid-East Texas GCD
Brazos Valley GCD

Milano Civic Center
120 west Avenue E
Milano, Texas

by

T. Barret Lyne, PhD.
March 27, 2015 – 10:00 a.m.

Firm Yield Defined

PUBLIC LAW 108–361—OCT. 25, 2004

118 STAT. 1681

FIRM YIELD:

A quantity of water from a project or program that is projected to be available on a reliable basis, given a specified level of risk, during a critically dry period.

Public Law 108–361
108th Congress

An Act

To authorize the Secretary of the Interior to implement water supply technology and infrastructure programs aimed at increasing and diversifying domestic water resources.

Oct. 25, 2004

[H.R. 2828]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) **SHORT TITLE.**—This Act may be cited as the “Water Supply, Reliability, and Environmental Improvement Act”.

Water Supply,
Reliability, and
Environmental
Improvement
Act.
California.

Firm Yield Defined

TWDB monitors certain conditions in droughts, such as:

Soil Moisture:

Soil moisture affects crops as well as runoff into rivers and reservoirs.

Groundwater Levels:

Water levels in many aquifers decline every year regardless of drought but may decline faster during droughts.

But, we do not have the Firm Yield of our aquifers after two of the worst droughts in history (1950s and 2011), and: It is Federal Public Law 108-361, 108th Congress, 2004.

What is the Firm Yield of our aquifers and GMA 12 Programs?

We do not know!

FIRM YIELD:

A quantity of water from a project or program that is projected to be available on a reliable basis, given a specified level of risk, during a critically dry period.

Federal Public Law 108-361, 108th Congress, October 25, 2004