

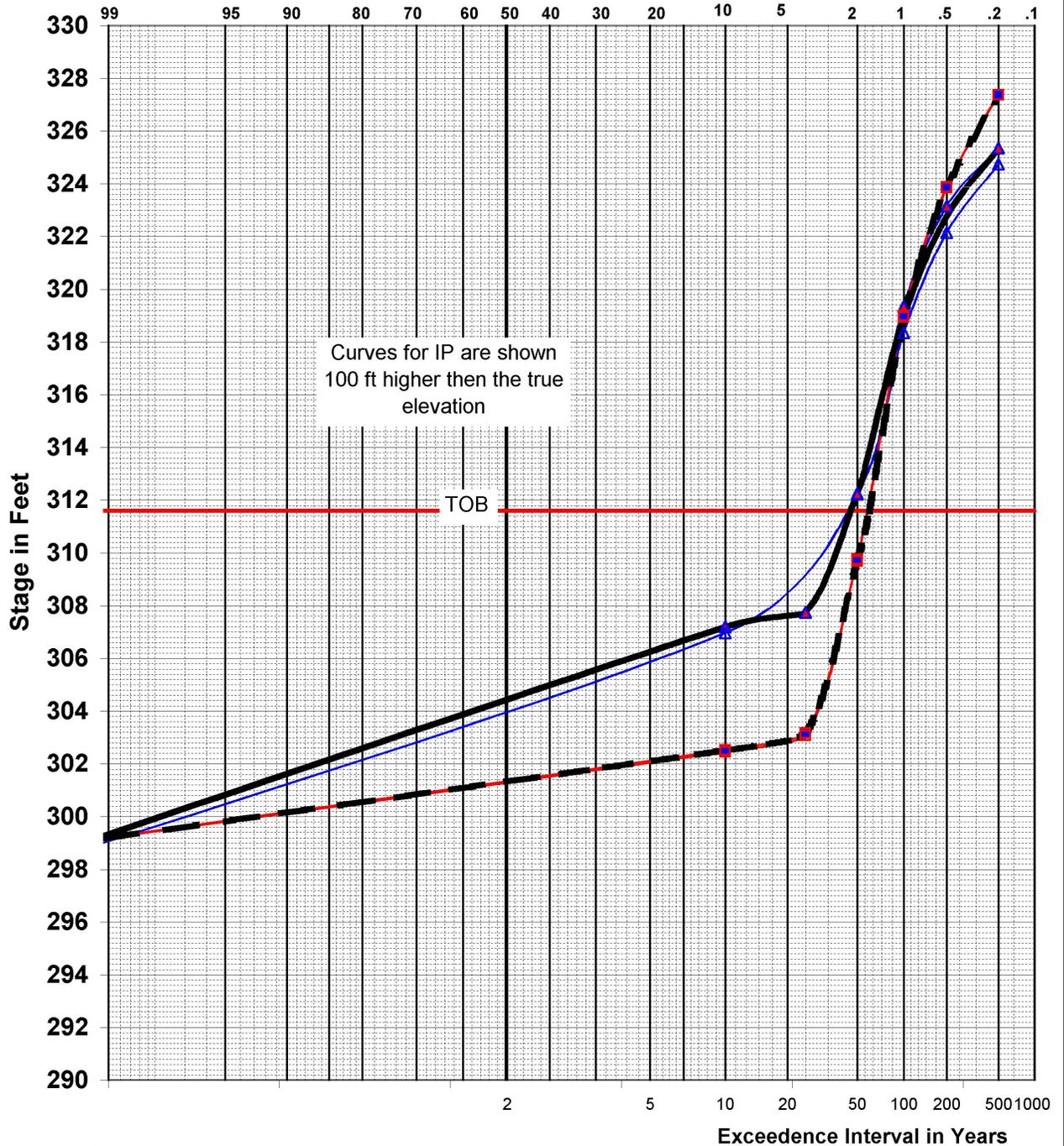
ATTACHMENT D.2

Without-Project Stage versus Frequency Curves

SAN JOAQUIN RIVER BASIN

December 2002

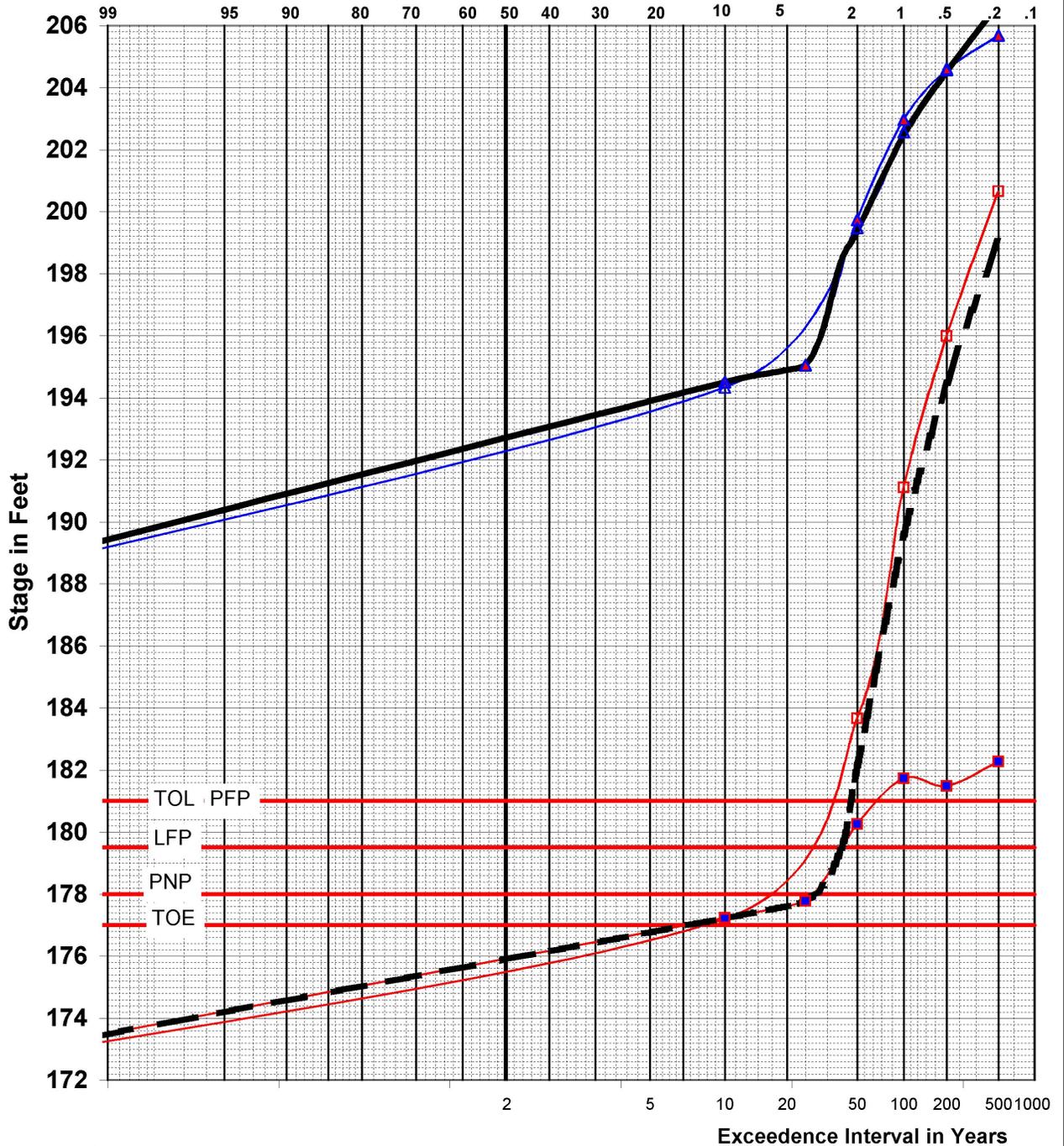
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ1	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-1	

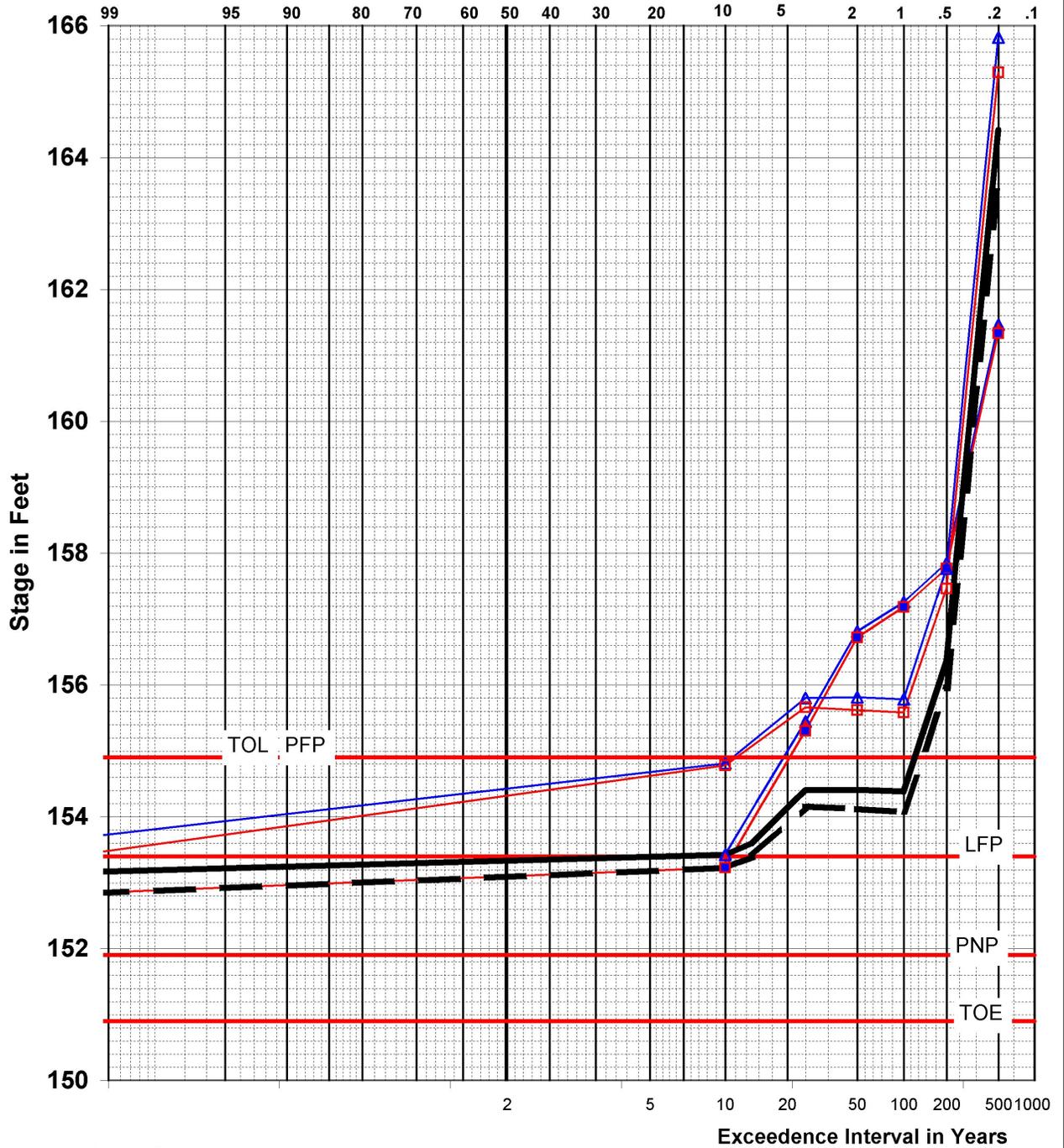
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ2	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-2

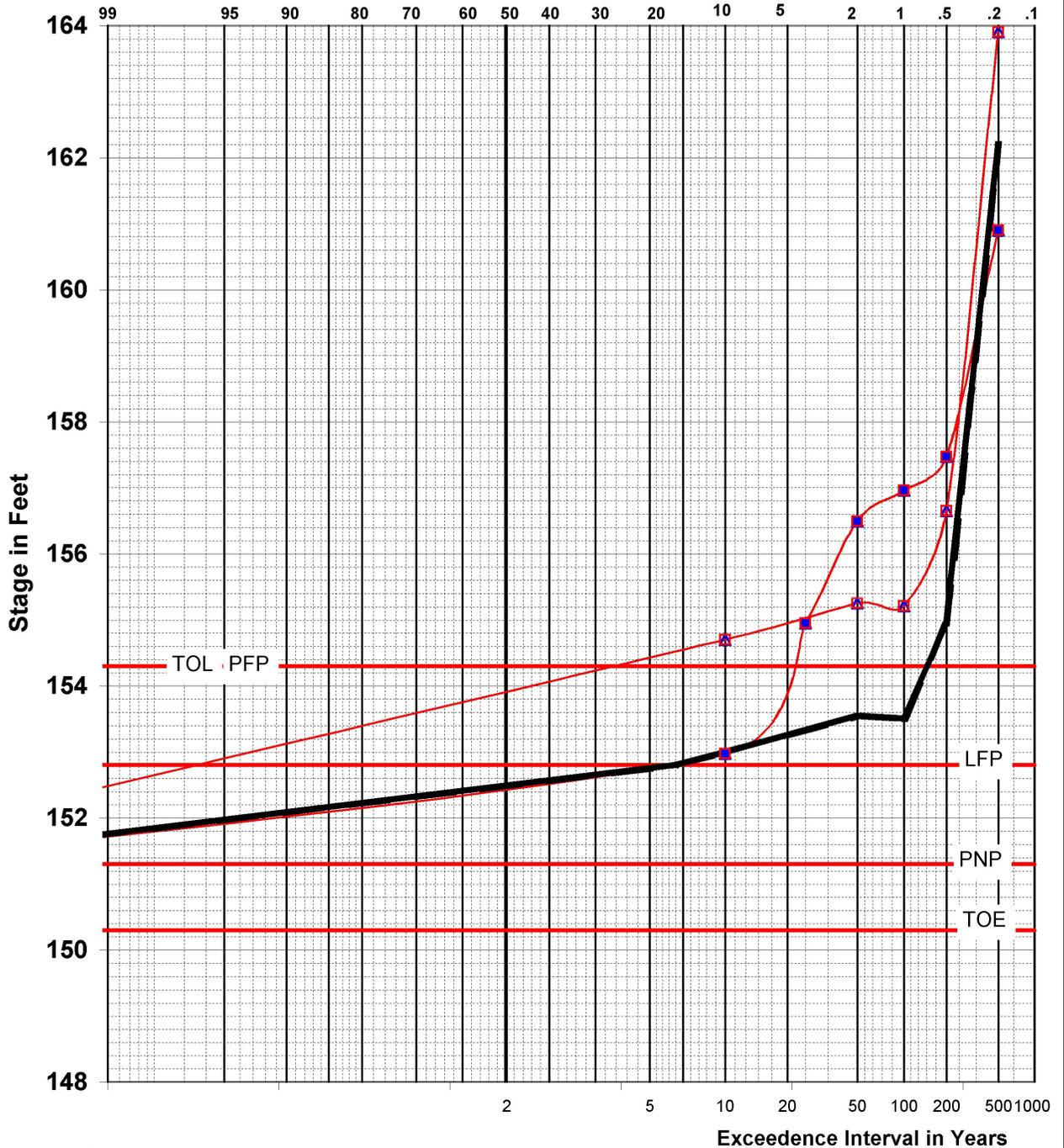
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ3	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-3	

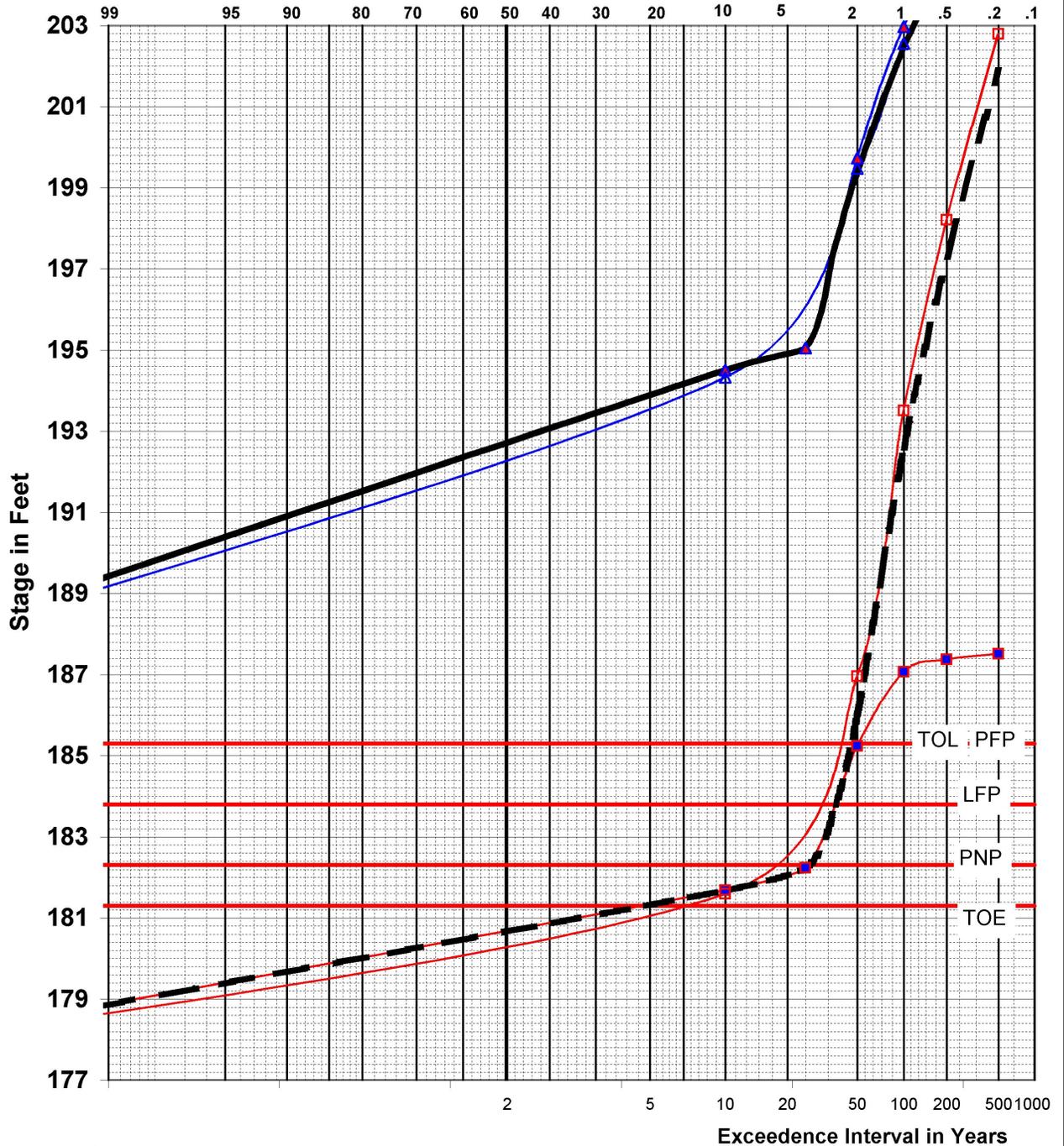
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ4	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-4

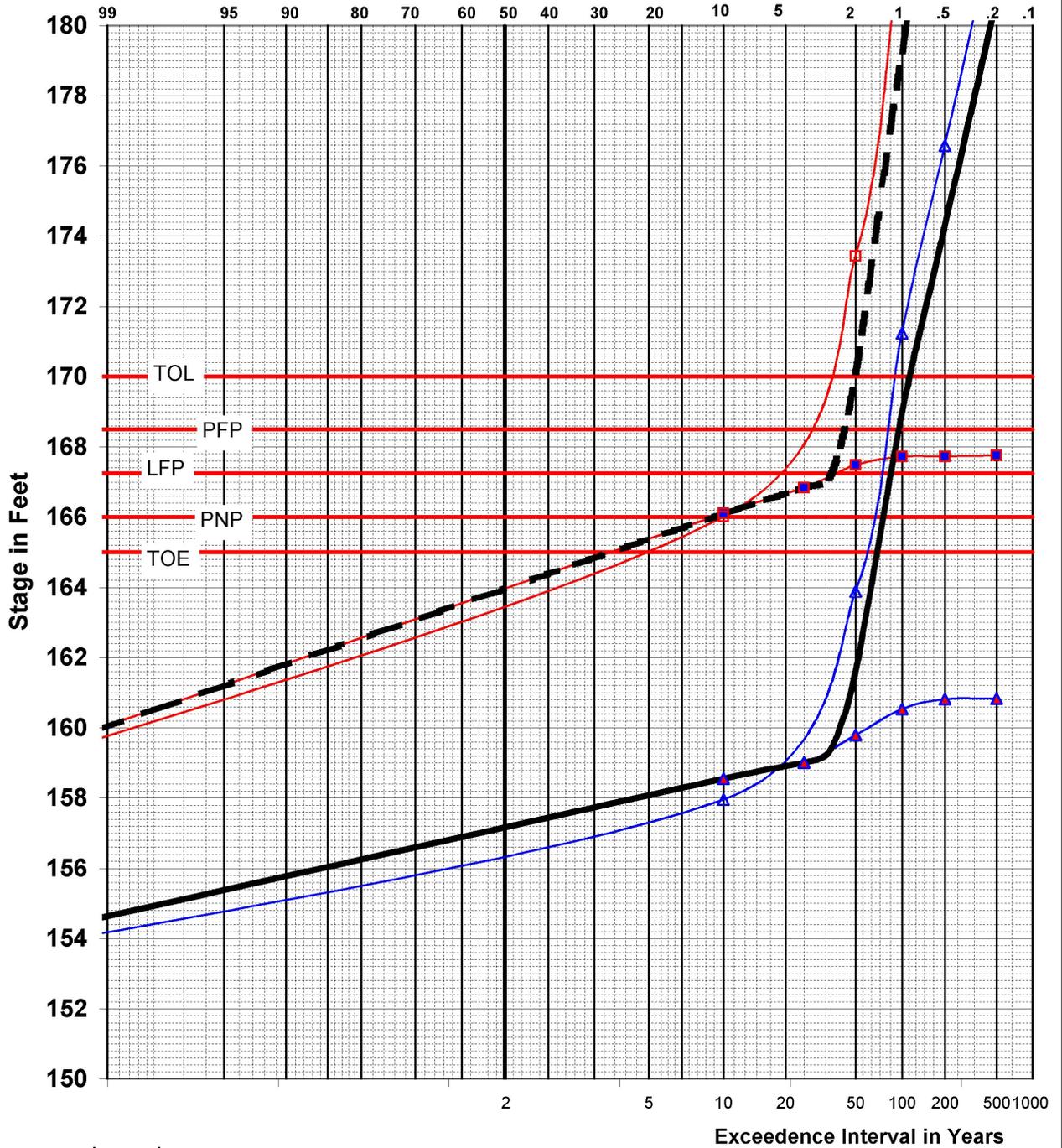
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ5	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-5	

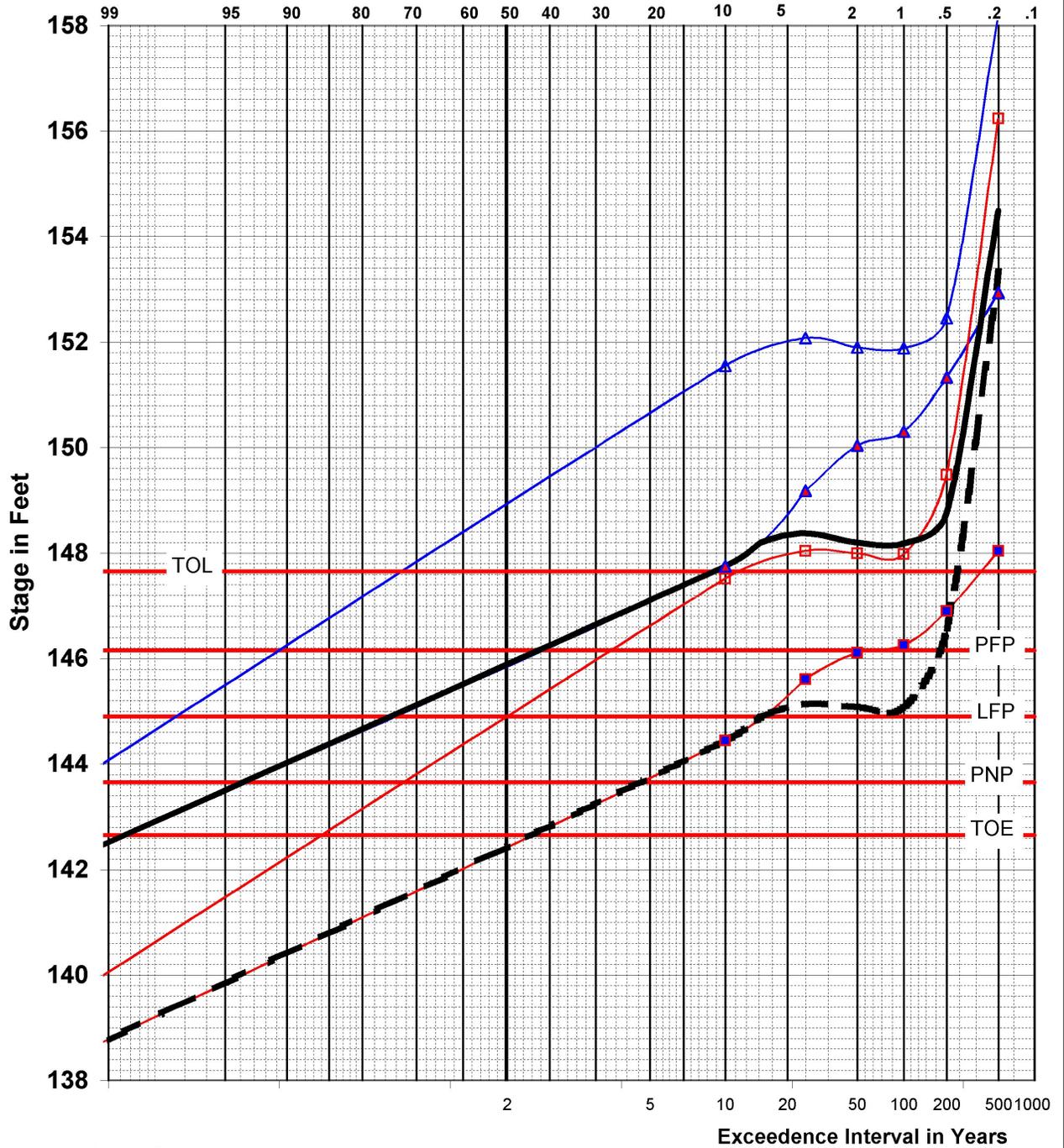
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA	SJ6
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-6

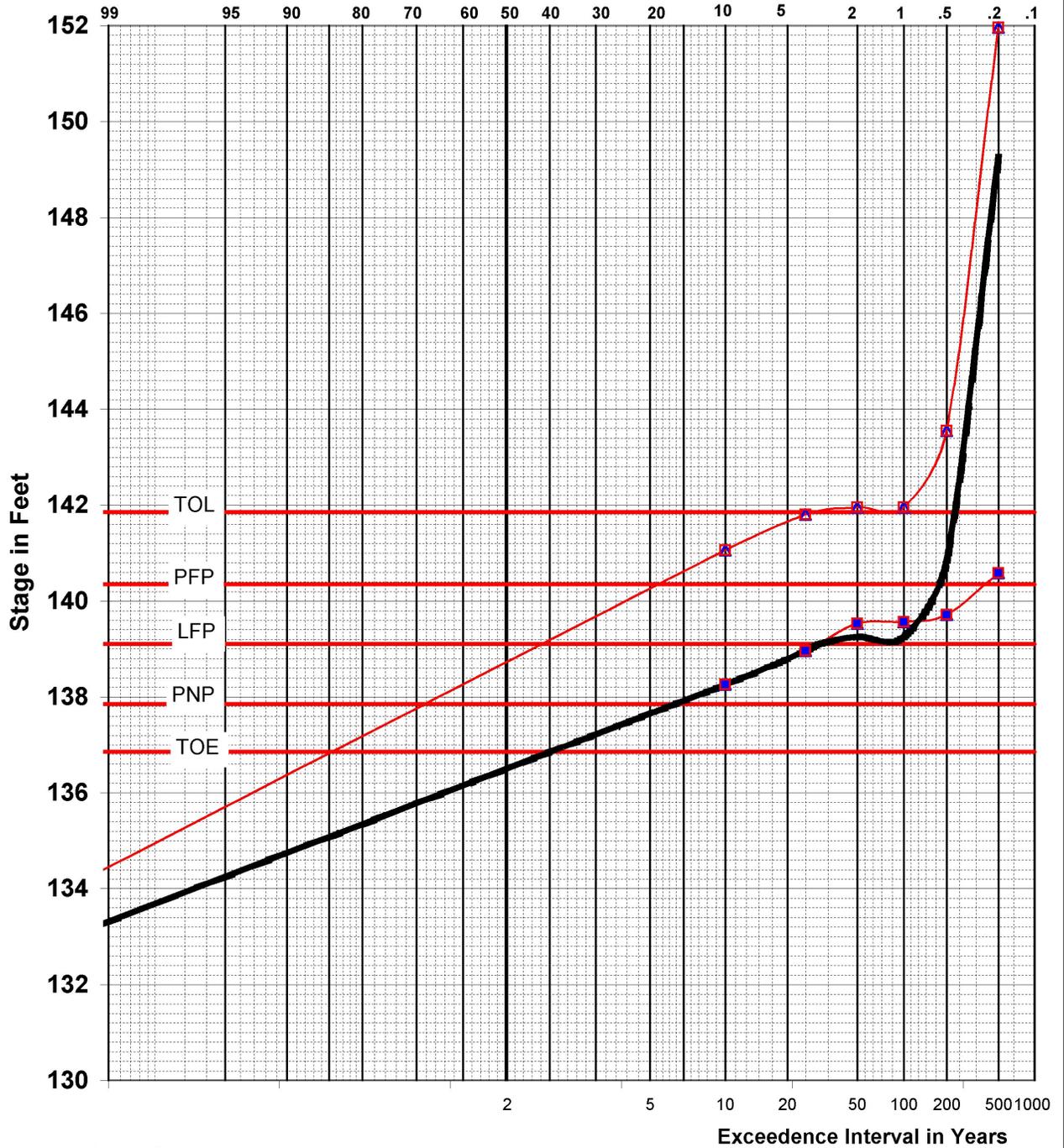
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ7	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-7

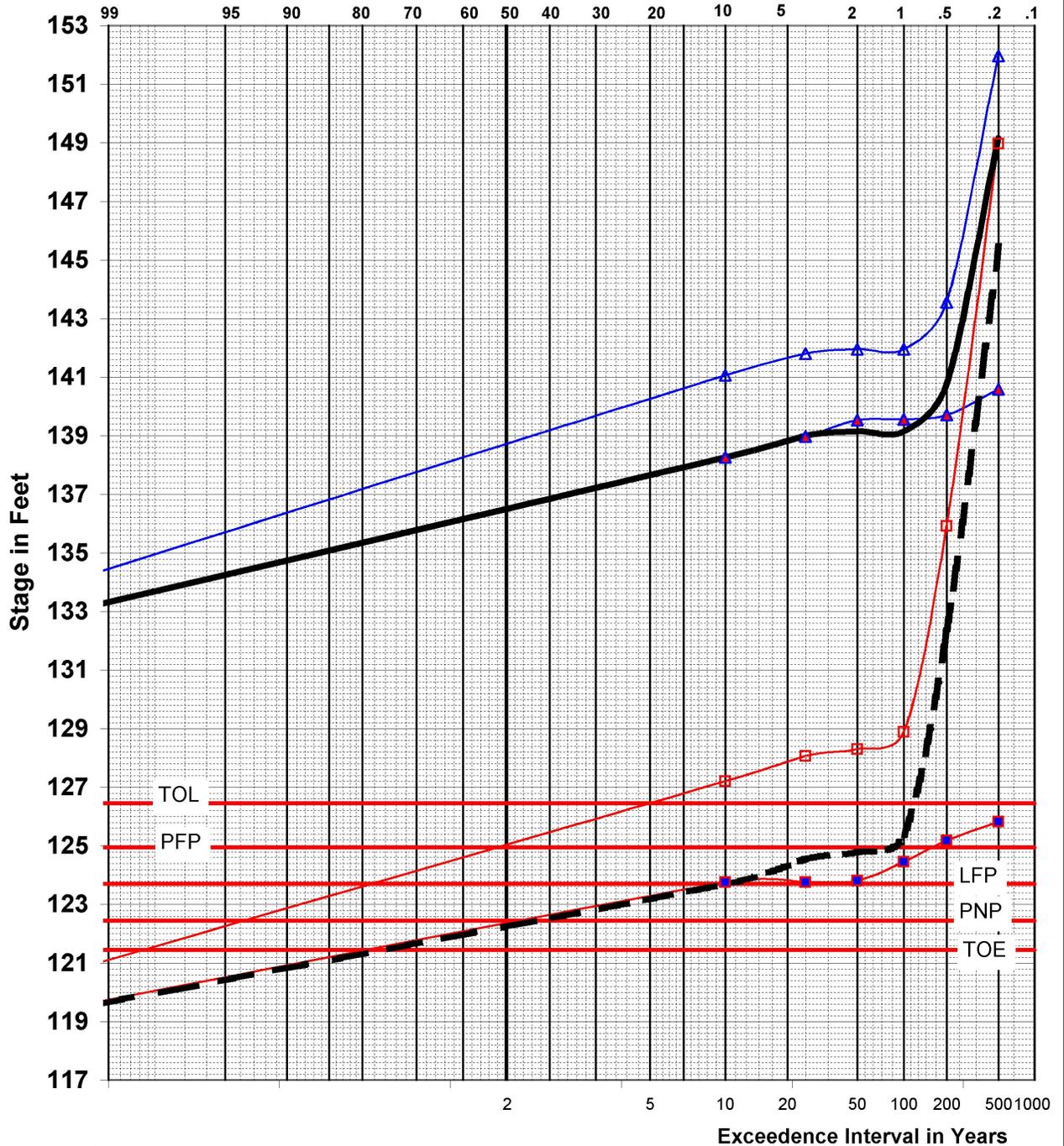
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA	SJ8
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-8

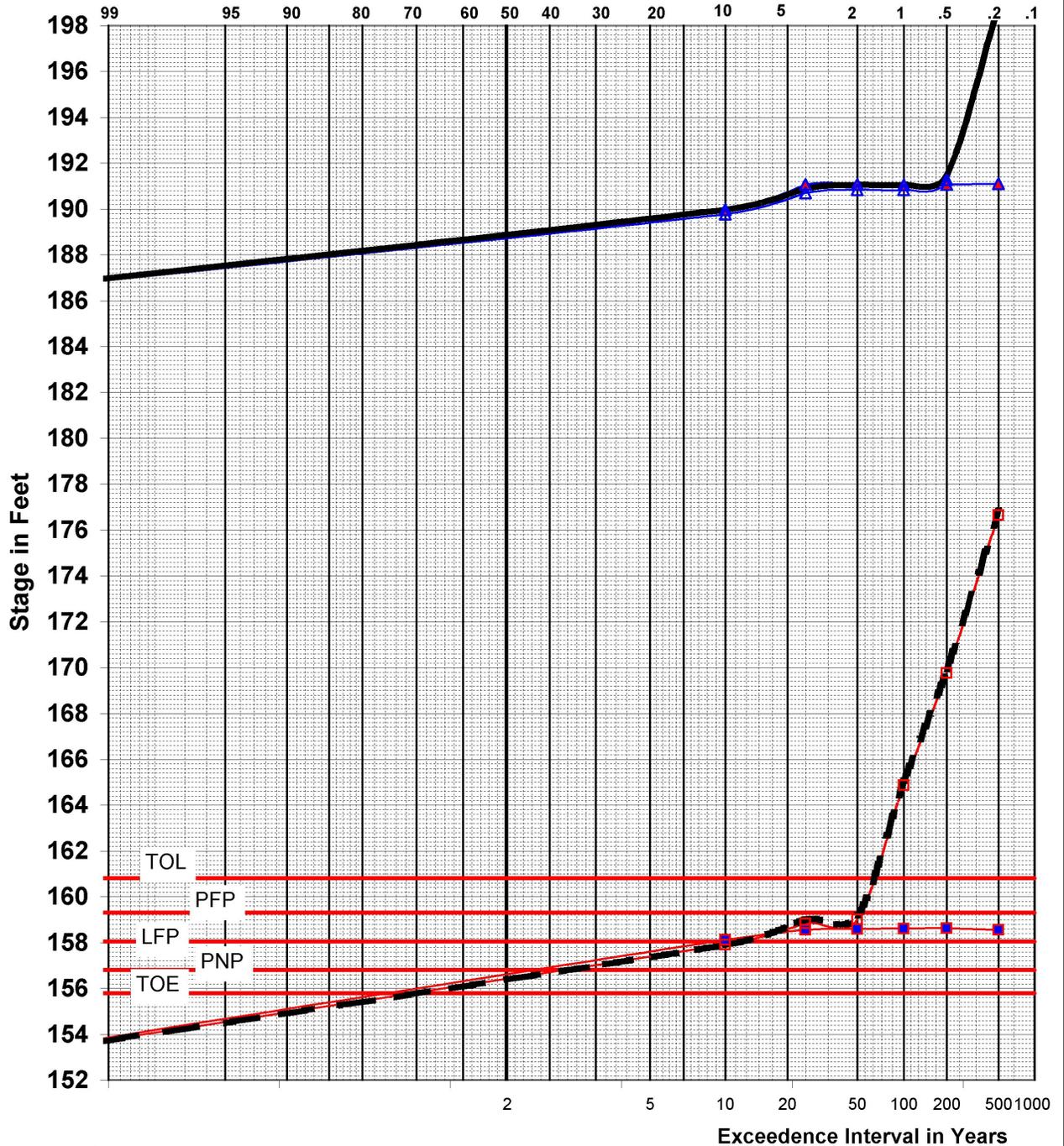
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ9
 Corps of Engineers, Sacramento District
 October 2002 PLATE D.2-9

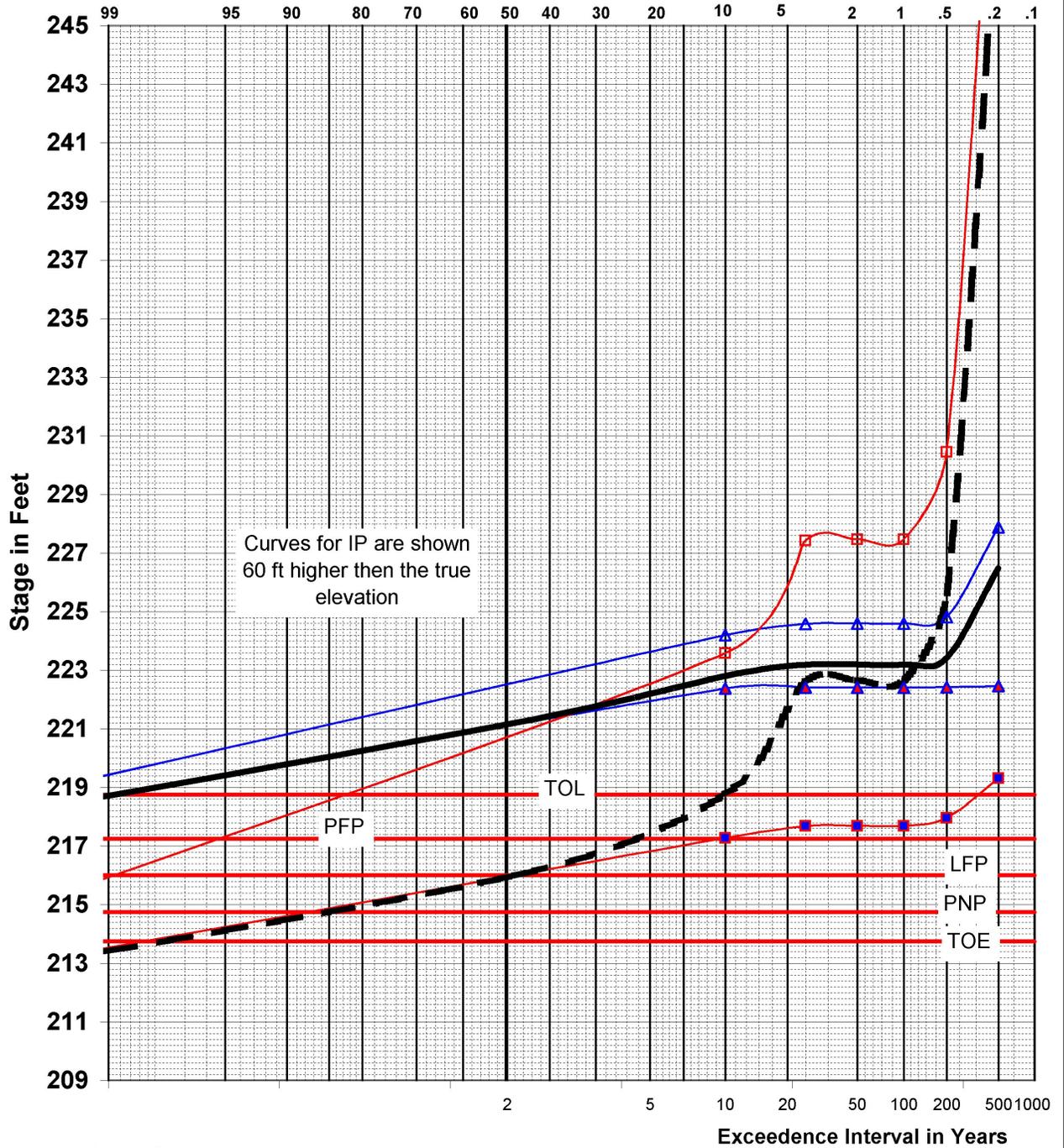
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ11	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-10

Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY

Phase II Economics

STAGE FREQUENCY CURVE

RISK BASED ANALYSIS

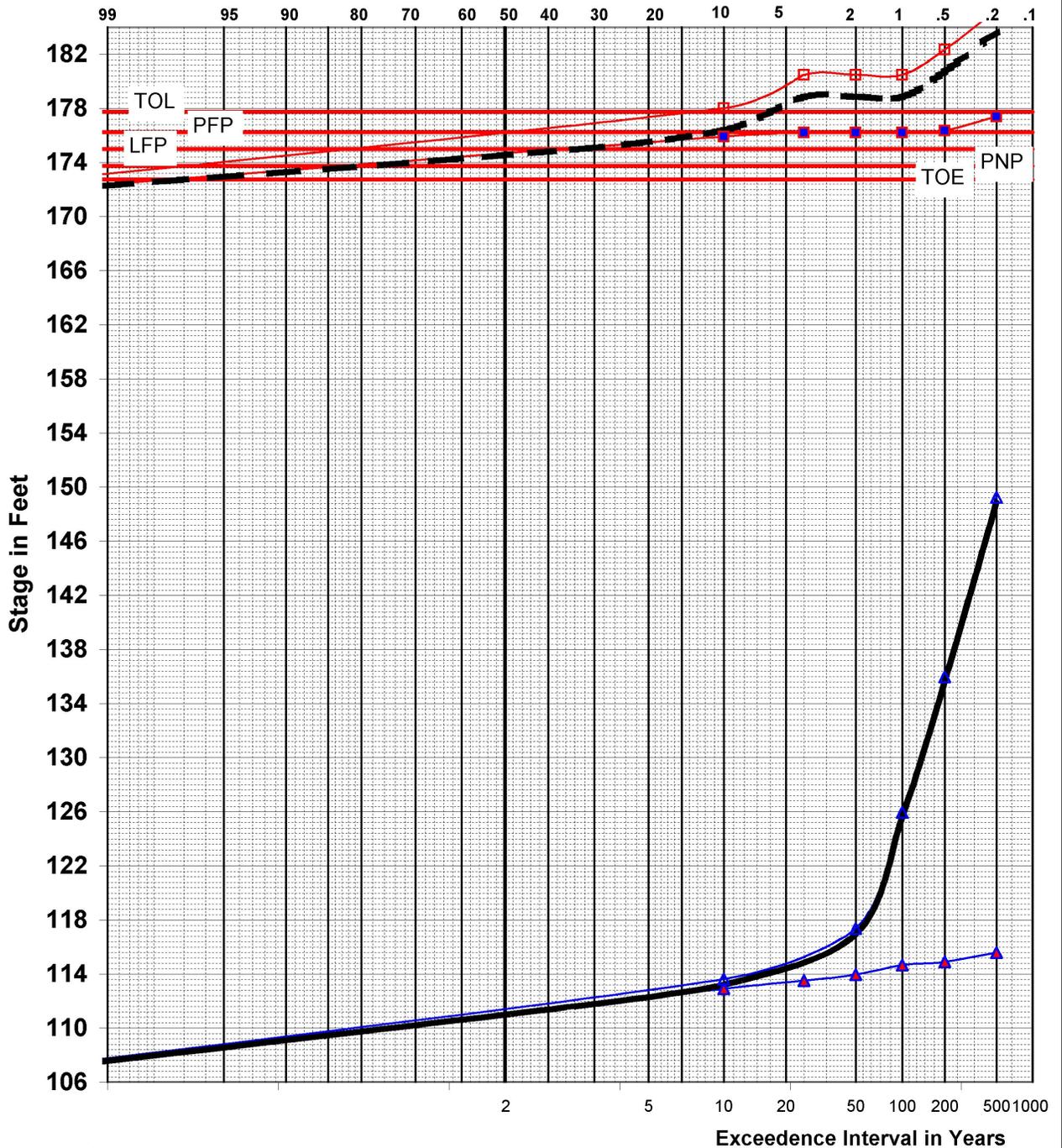
SAN JOAQUIN RIVER

DAMAGE AREA SJ12

Corps of Engineers, Sacramento District

October 2002 PLATE D.2-11

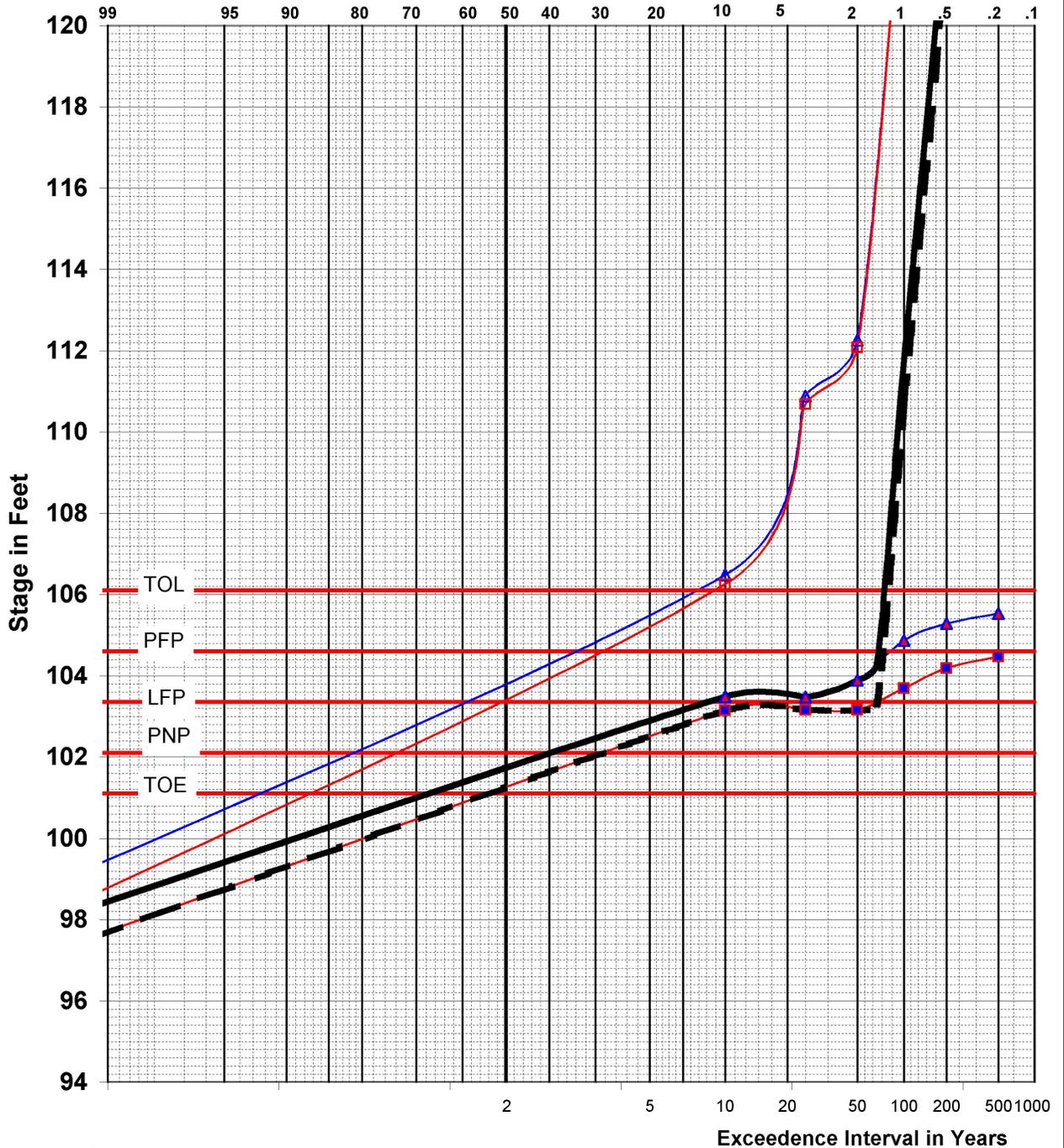
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ13	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-12	

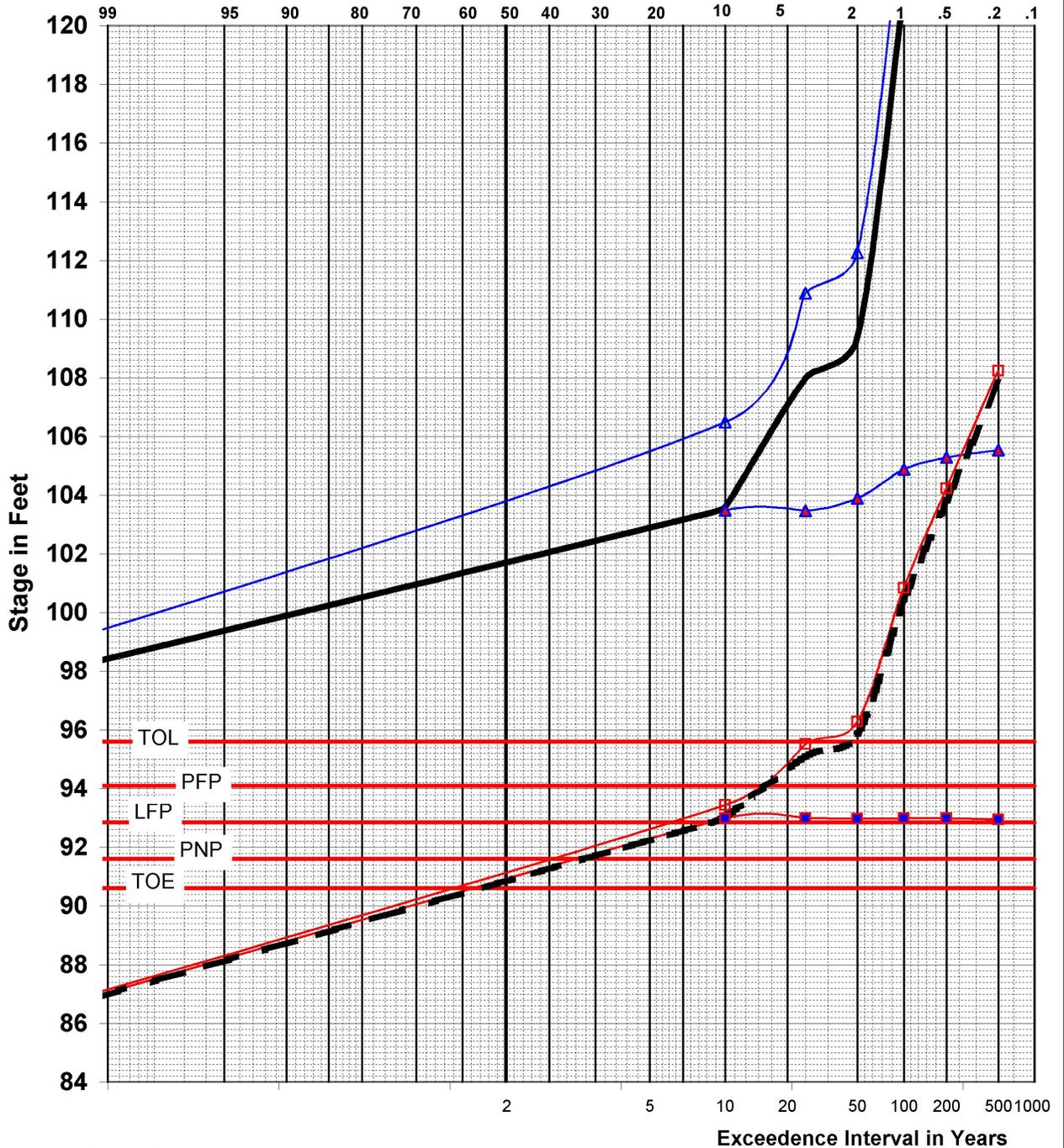
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ14	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-13	

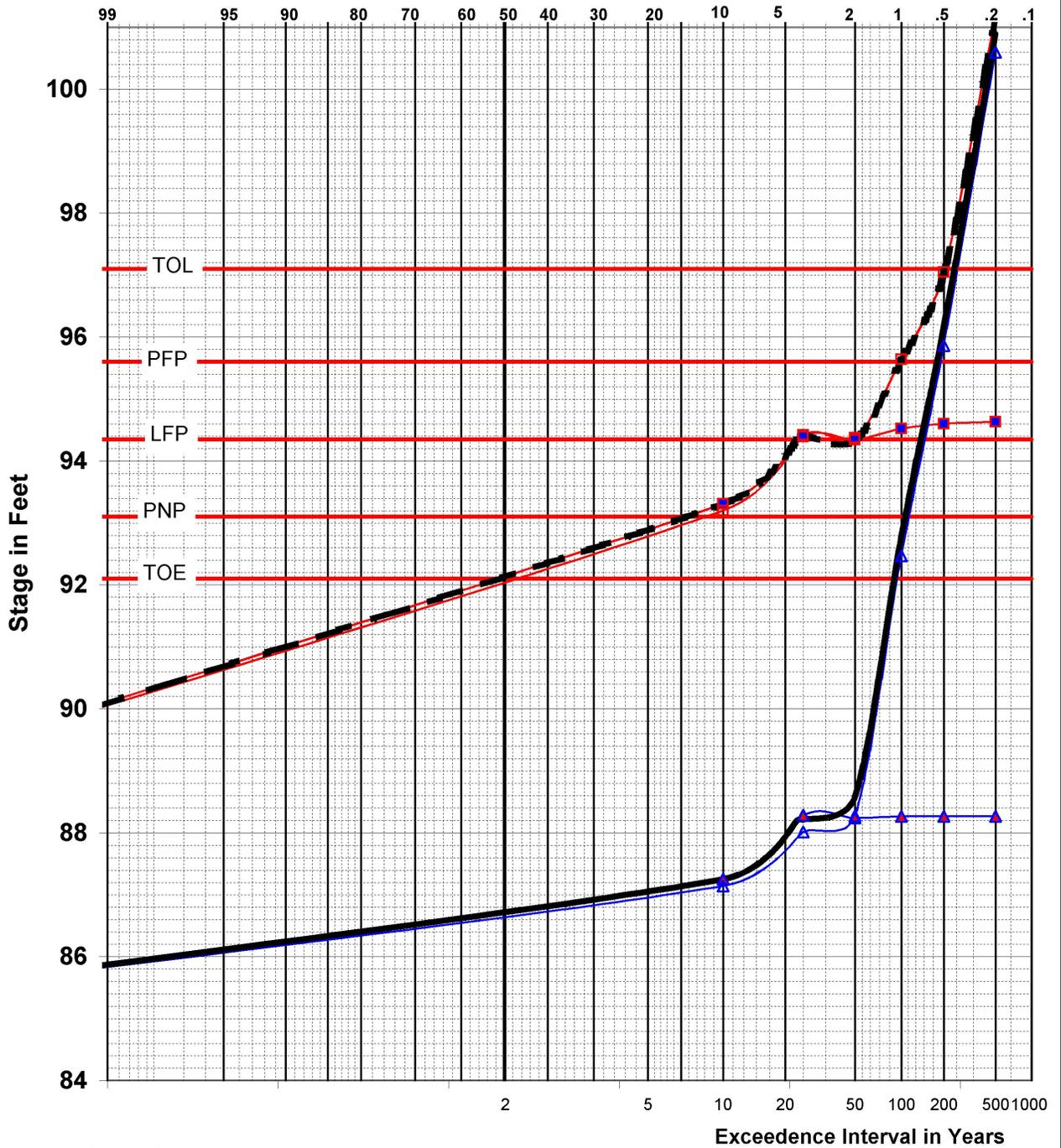
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ15	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-14

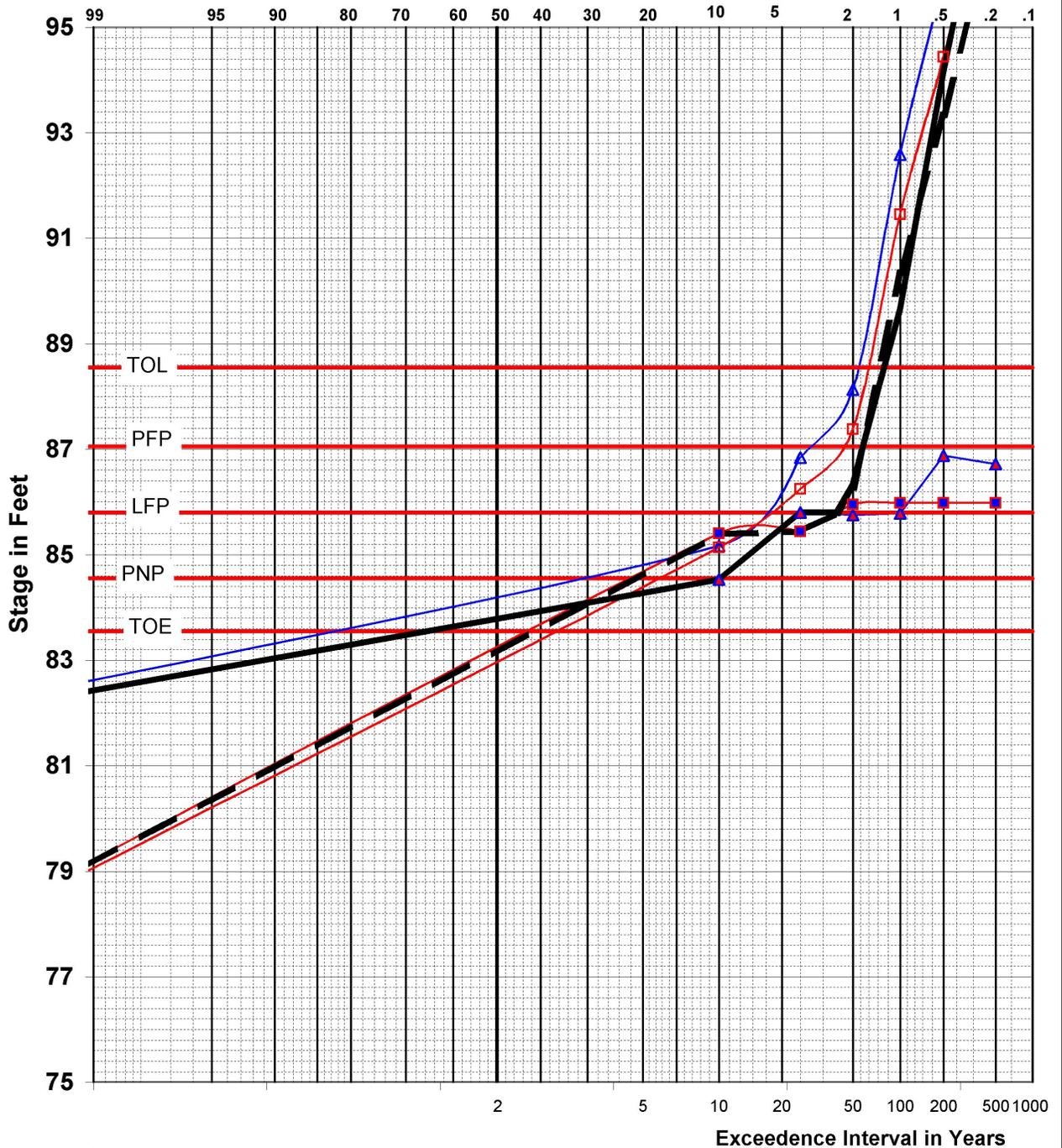
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ16	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-15

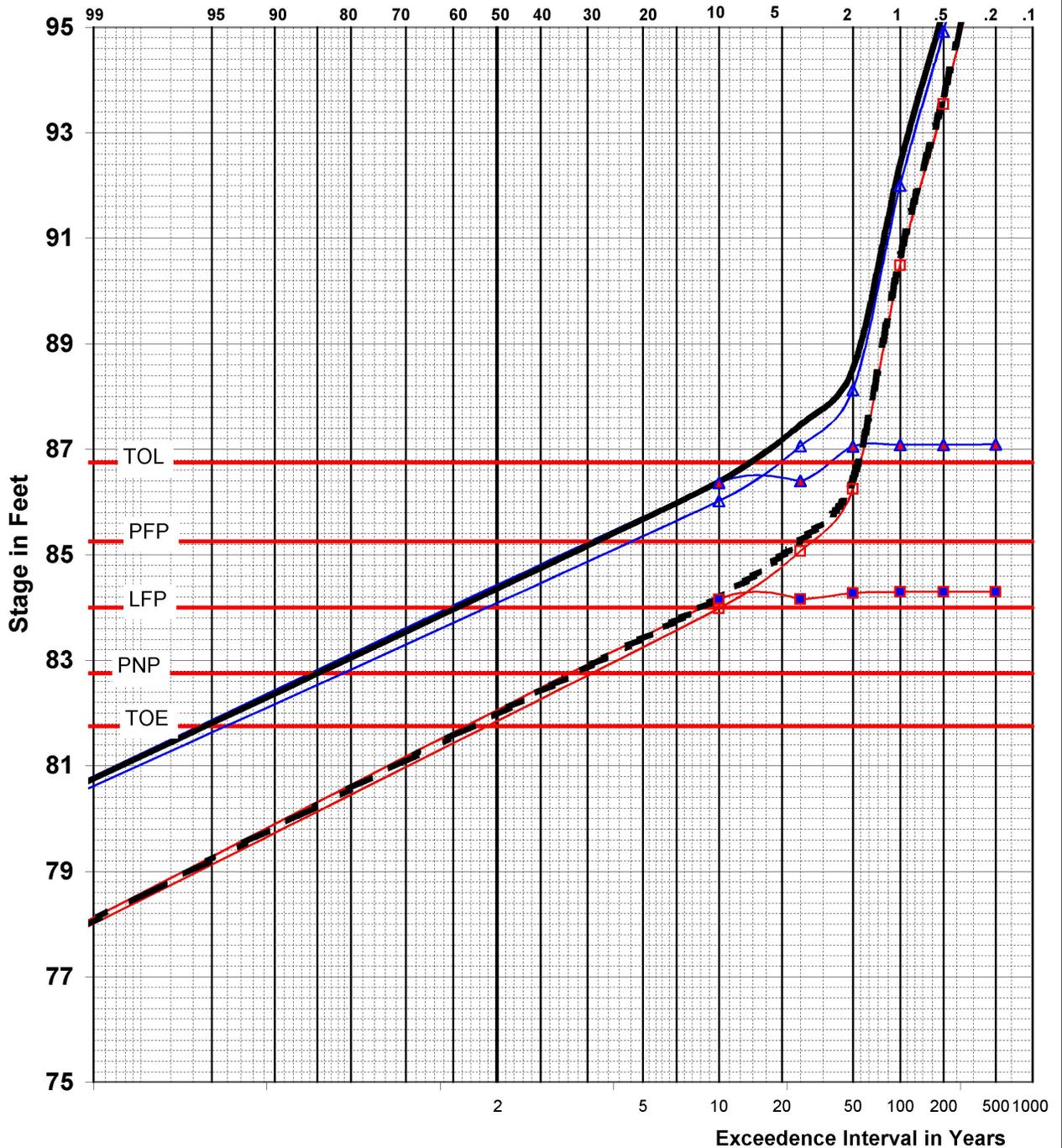
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ17	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-16	

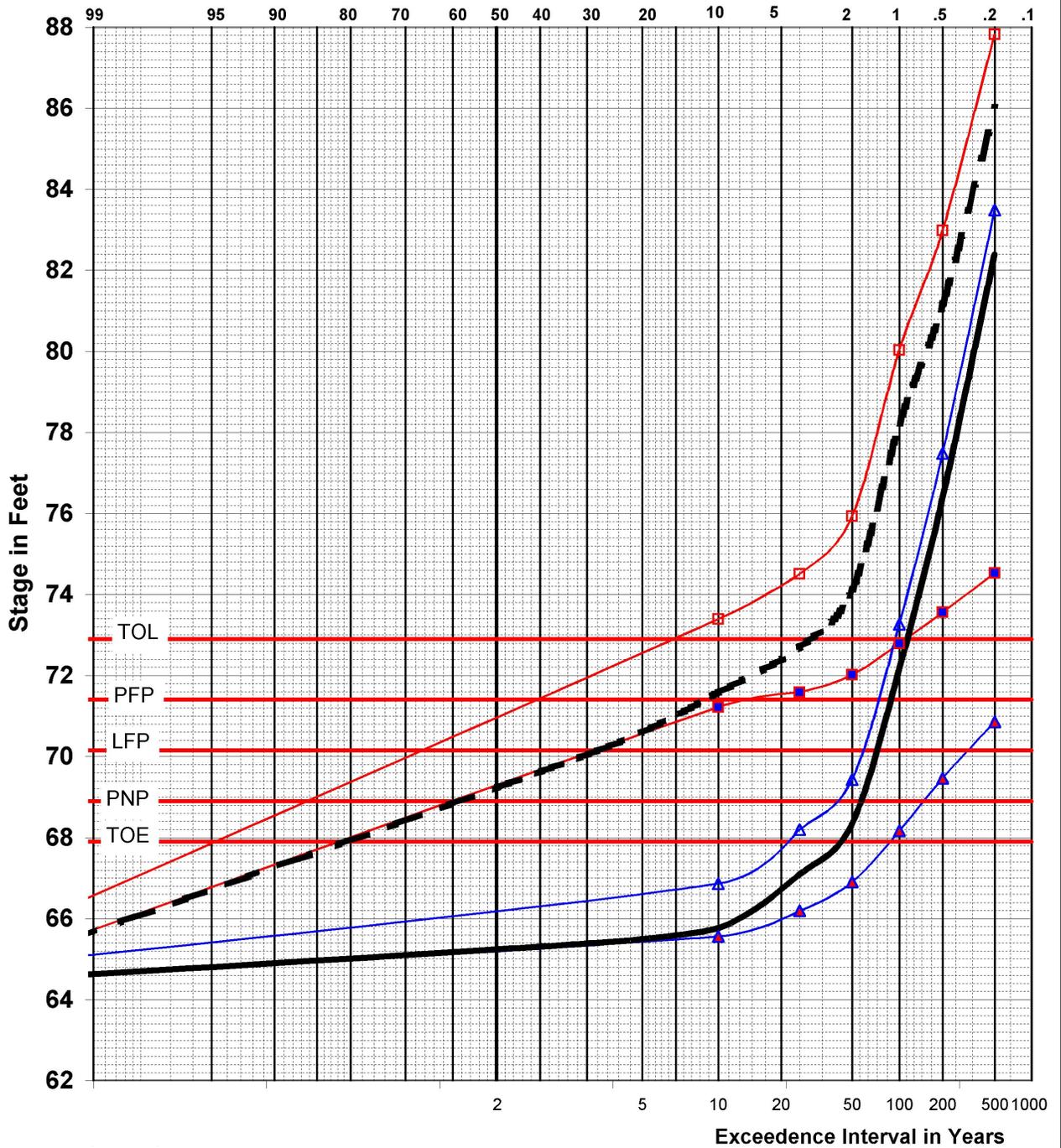
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ18	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-17

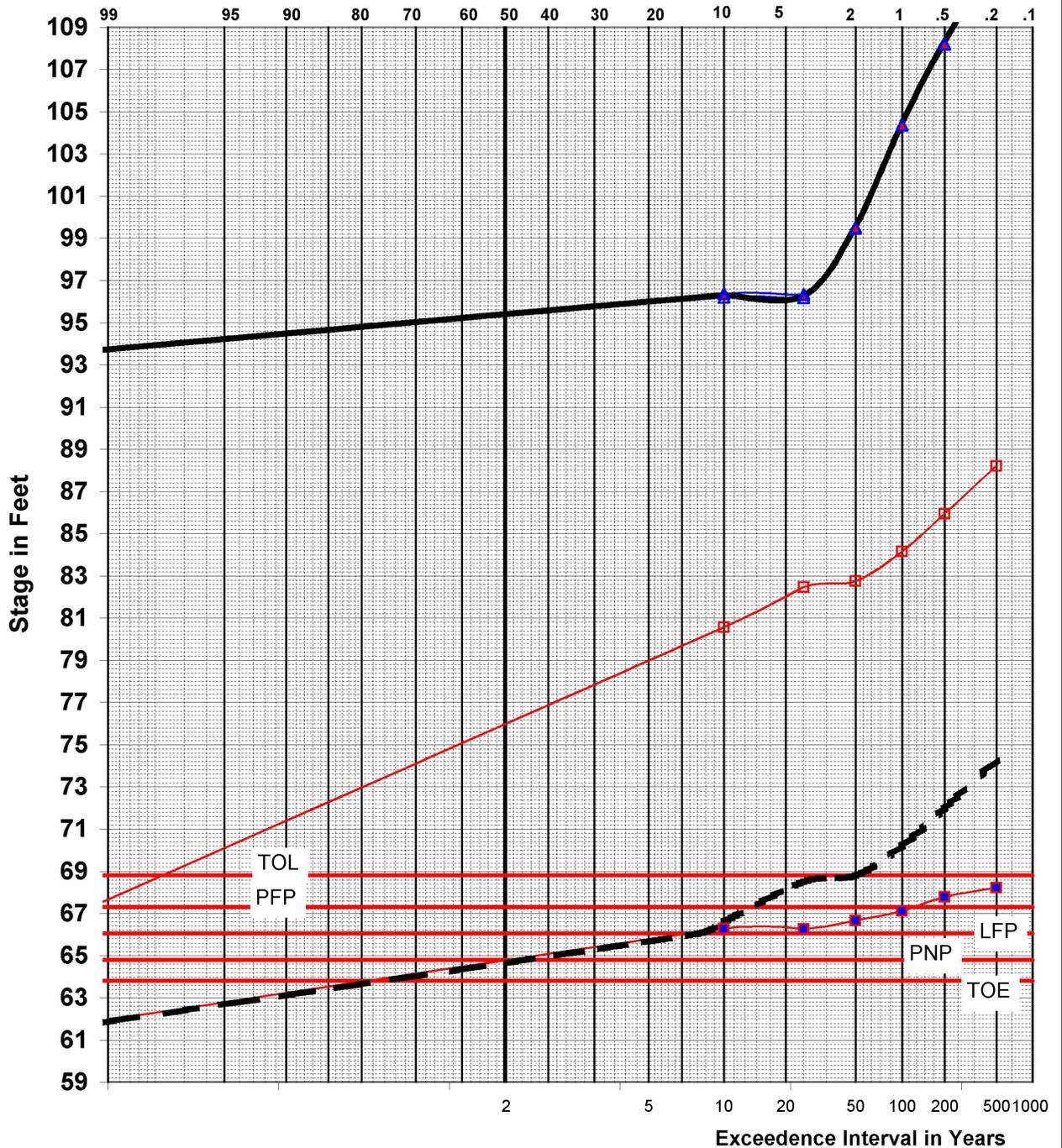
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ19
 Corps of Engineers, Sacramento District
 October 2002 **PLATE D.2-18**

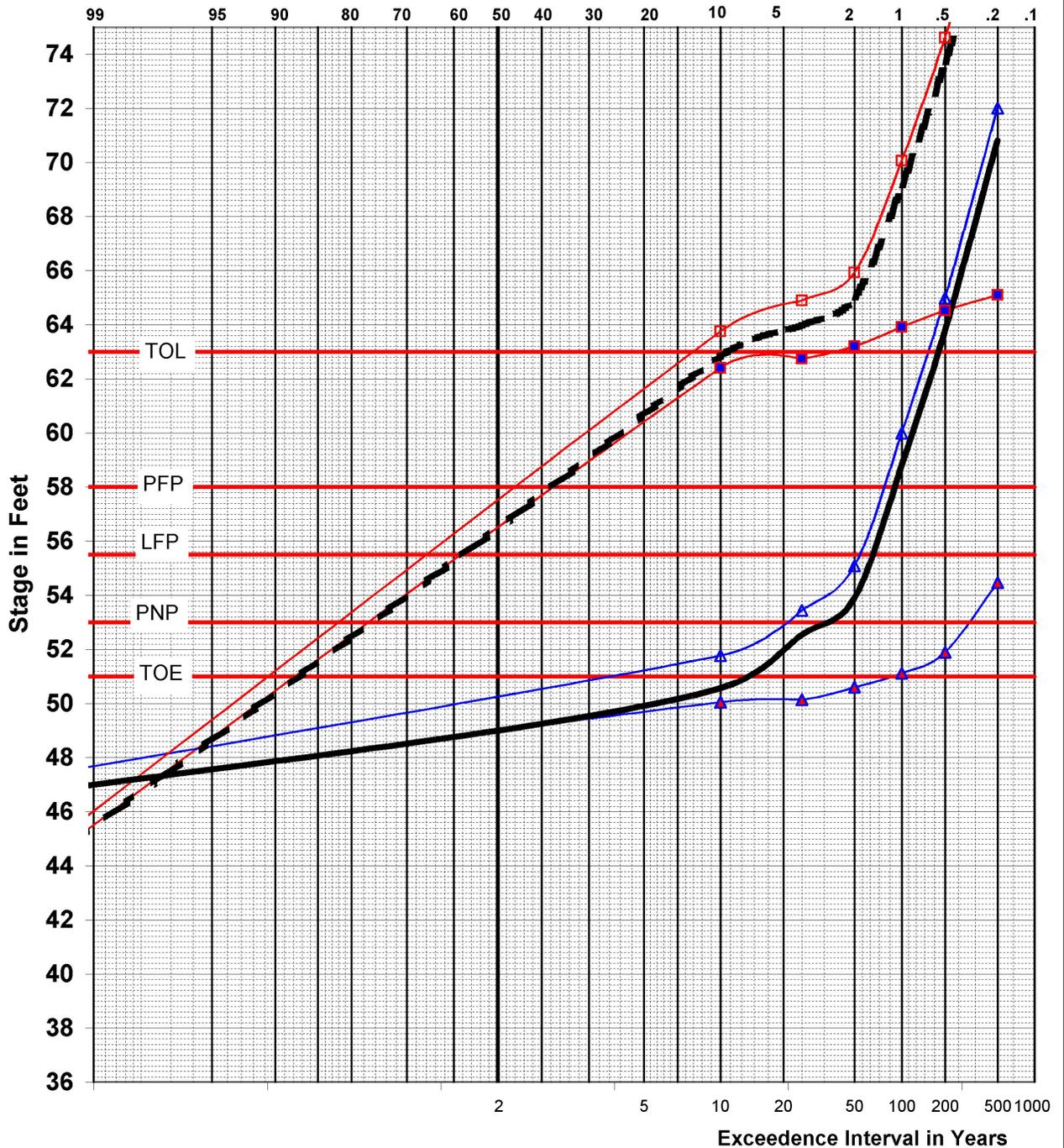
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ20	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-19	

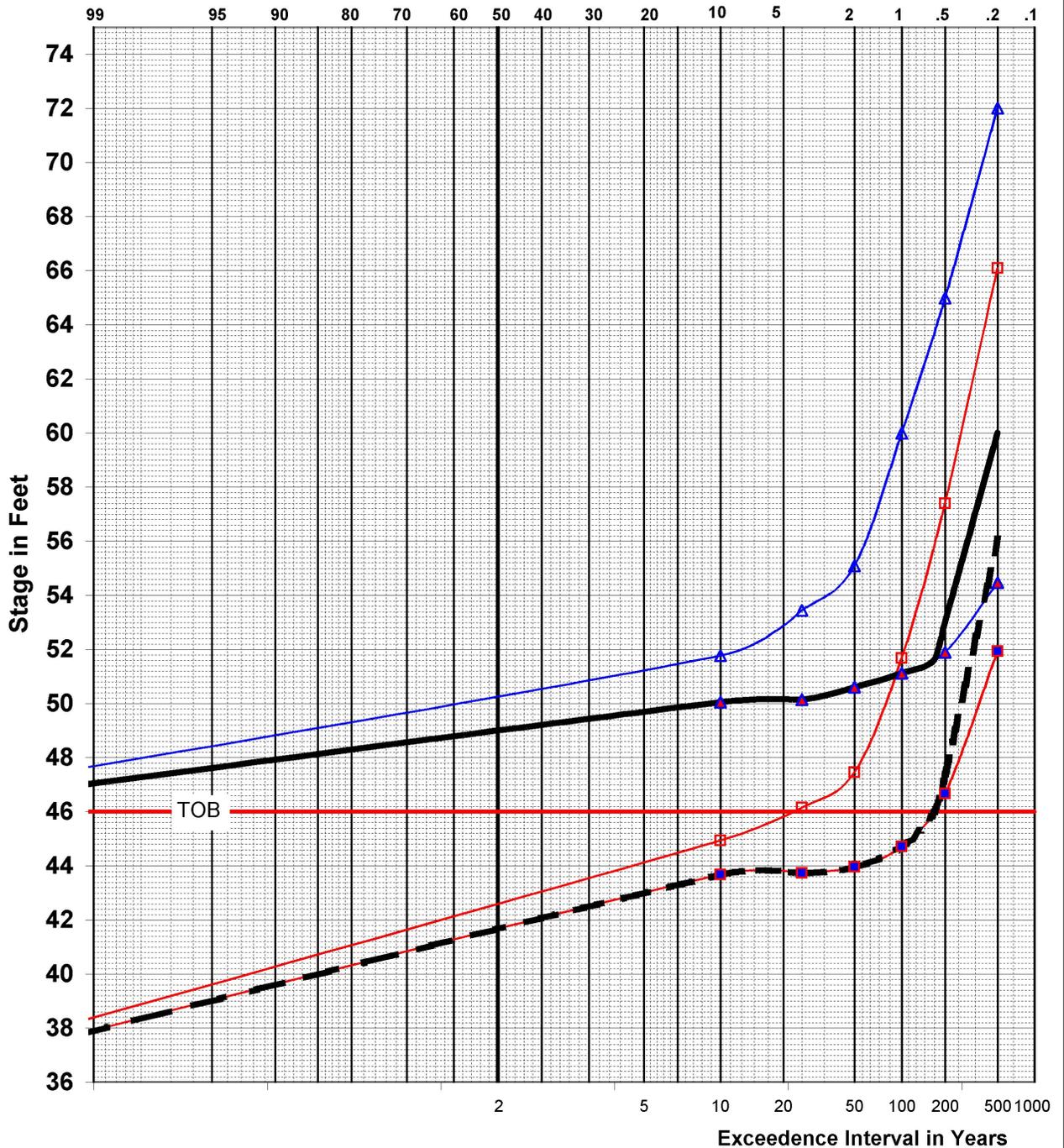
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

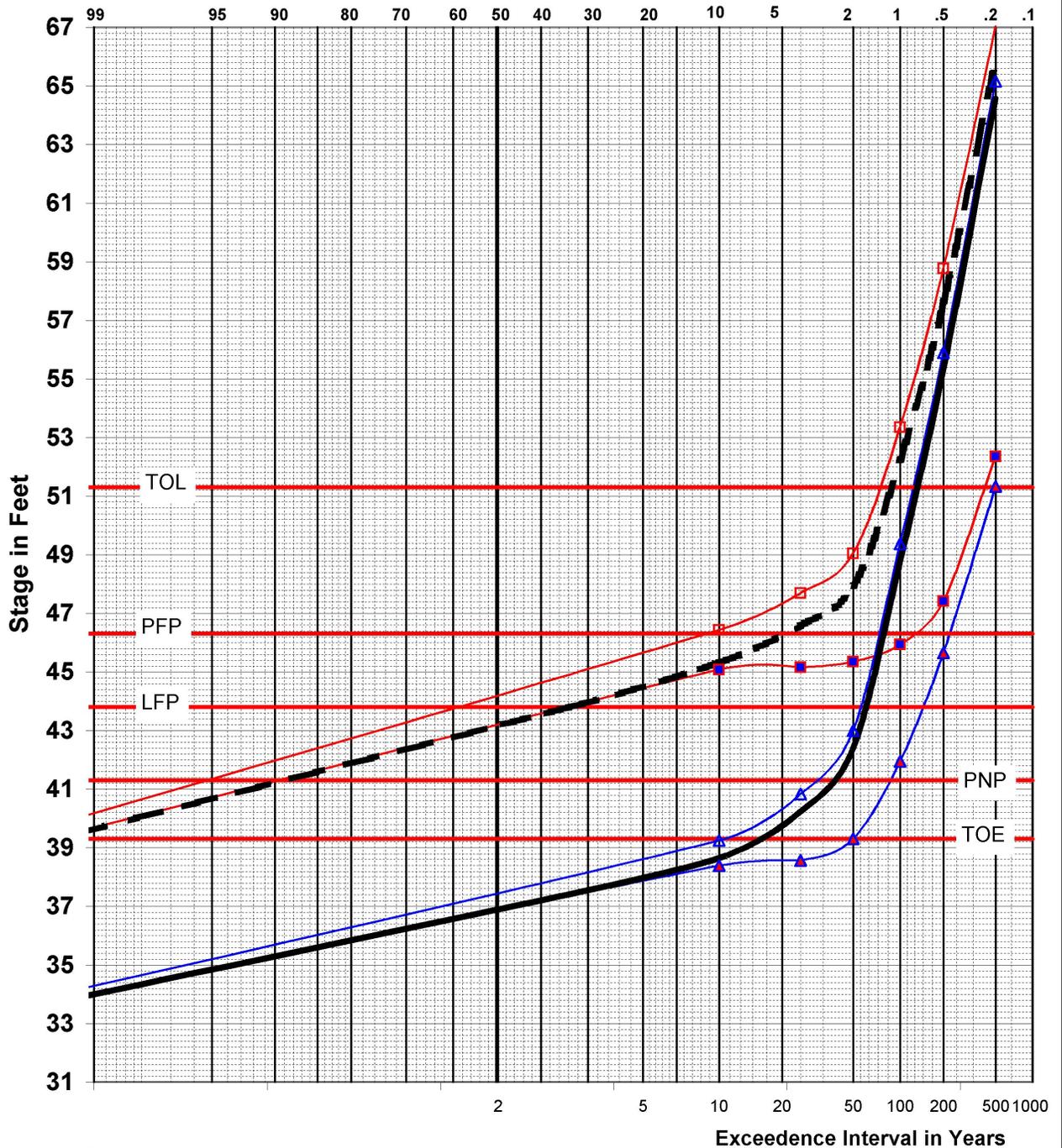
COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ21	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-20

Exceedence frequency per 100 years



COMPREHENSIVE STUDY Phase II Economics STAGE FREQUENCY CURVE RISK BASED ANALYSIS SAN JOAQUIN RIVER DAMAGE AREA SJ22	
Corps of Engineers, Sacramento District October 2002	
PLATE D.2-21	

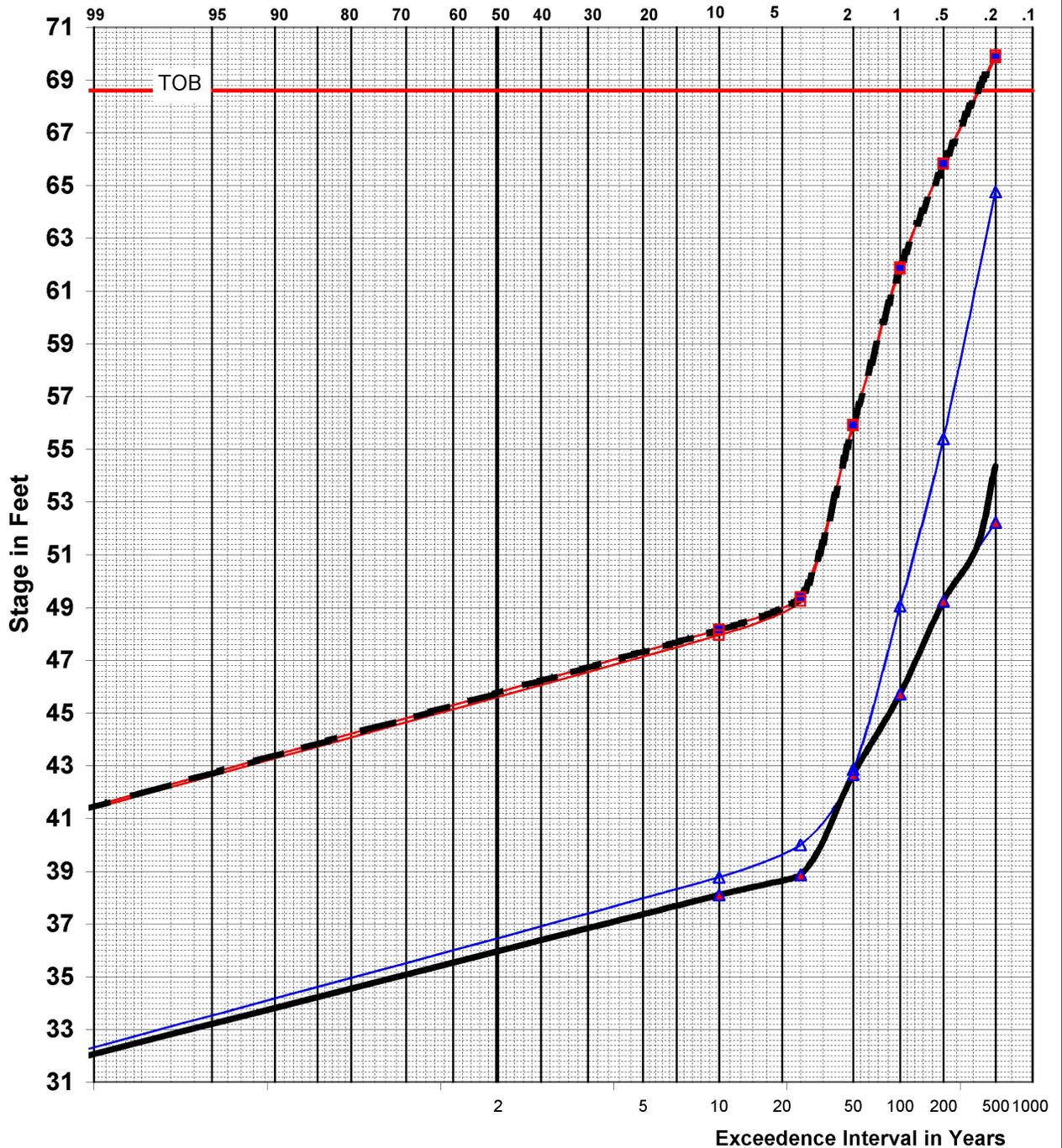
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ23	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-22

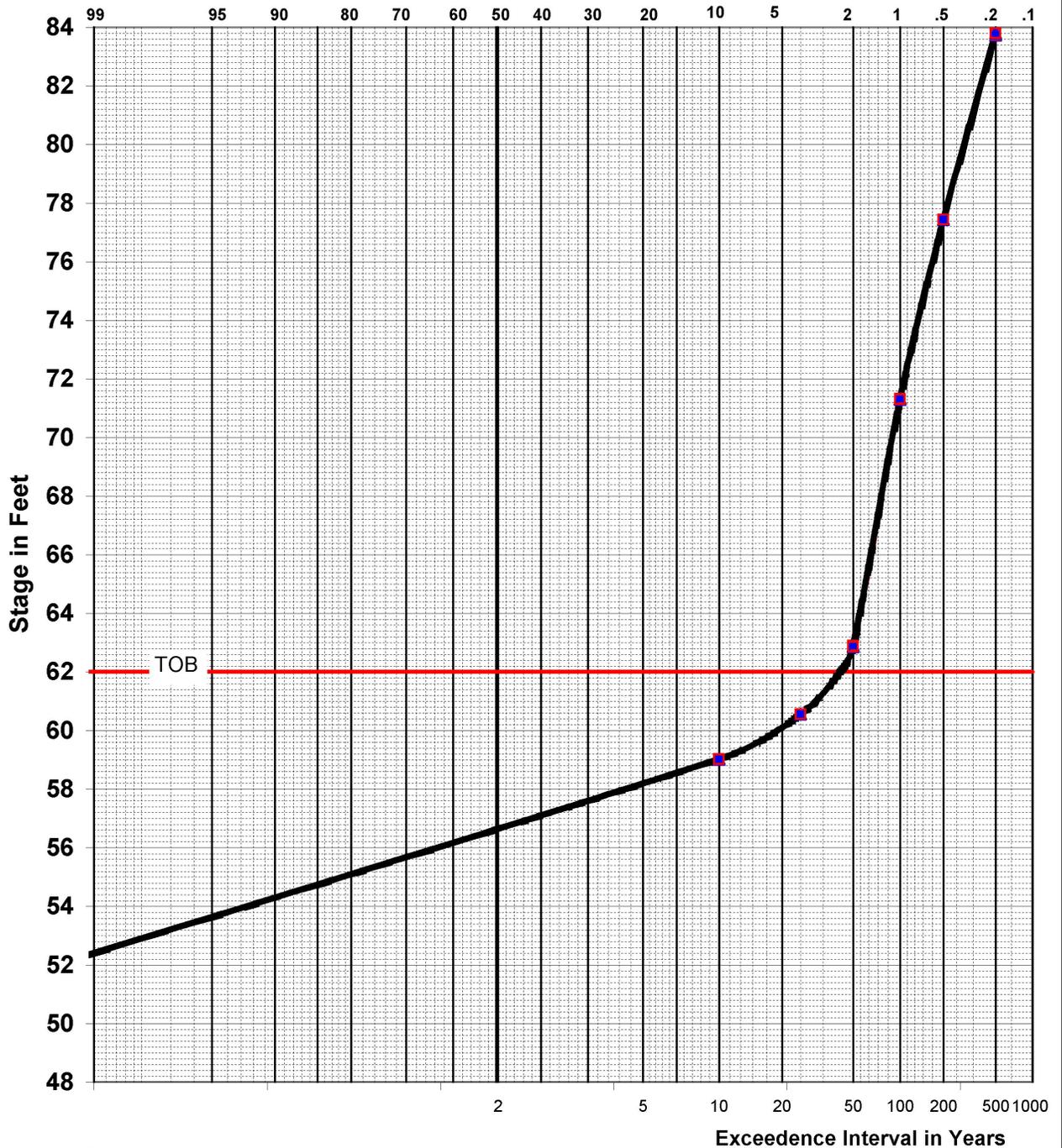
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ24	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-23

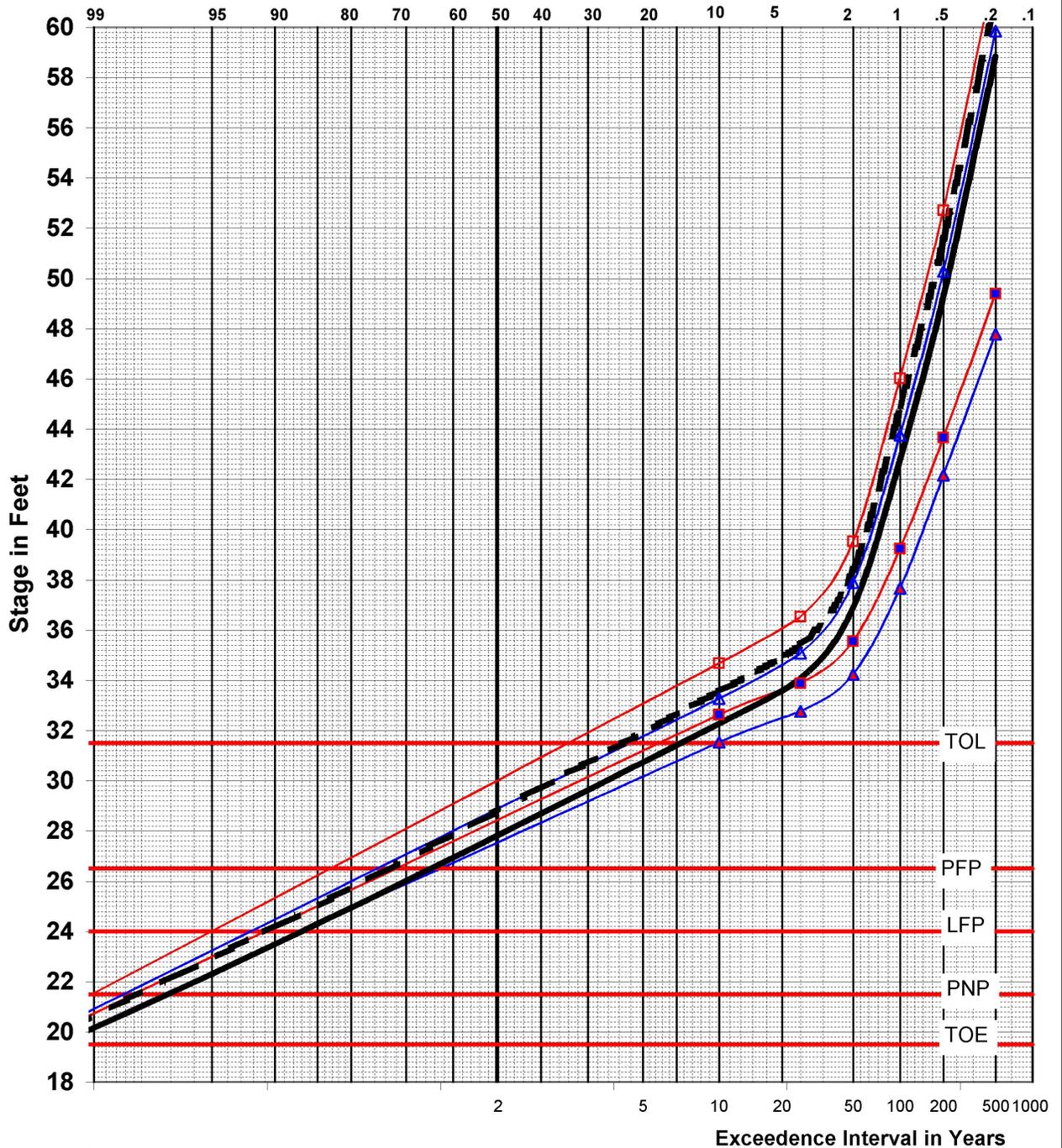
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ25	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-24	

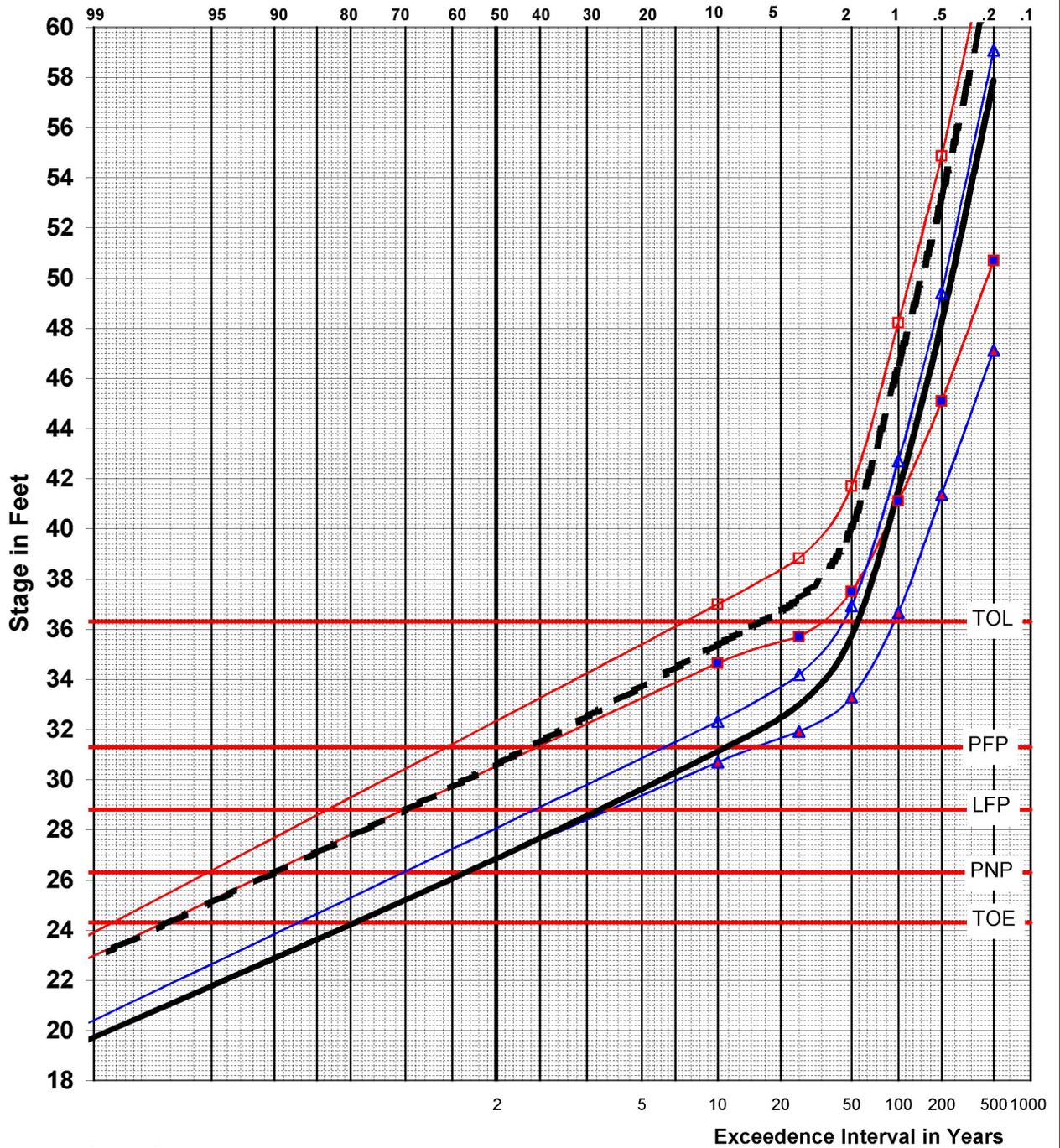
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ26
 Corps of Engineers, Sacramento District
 October 2002 **PLATE D.2-25**

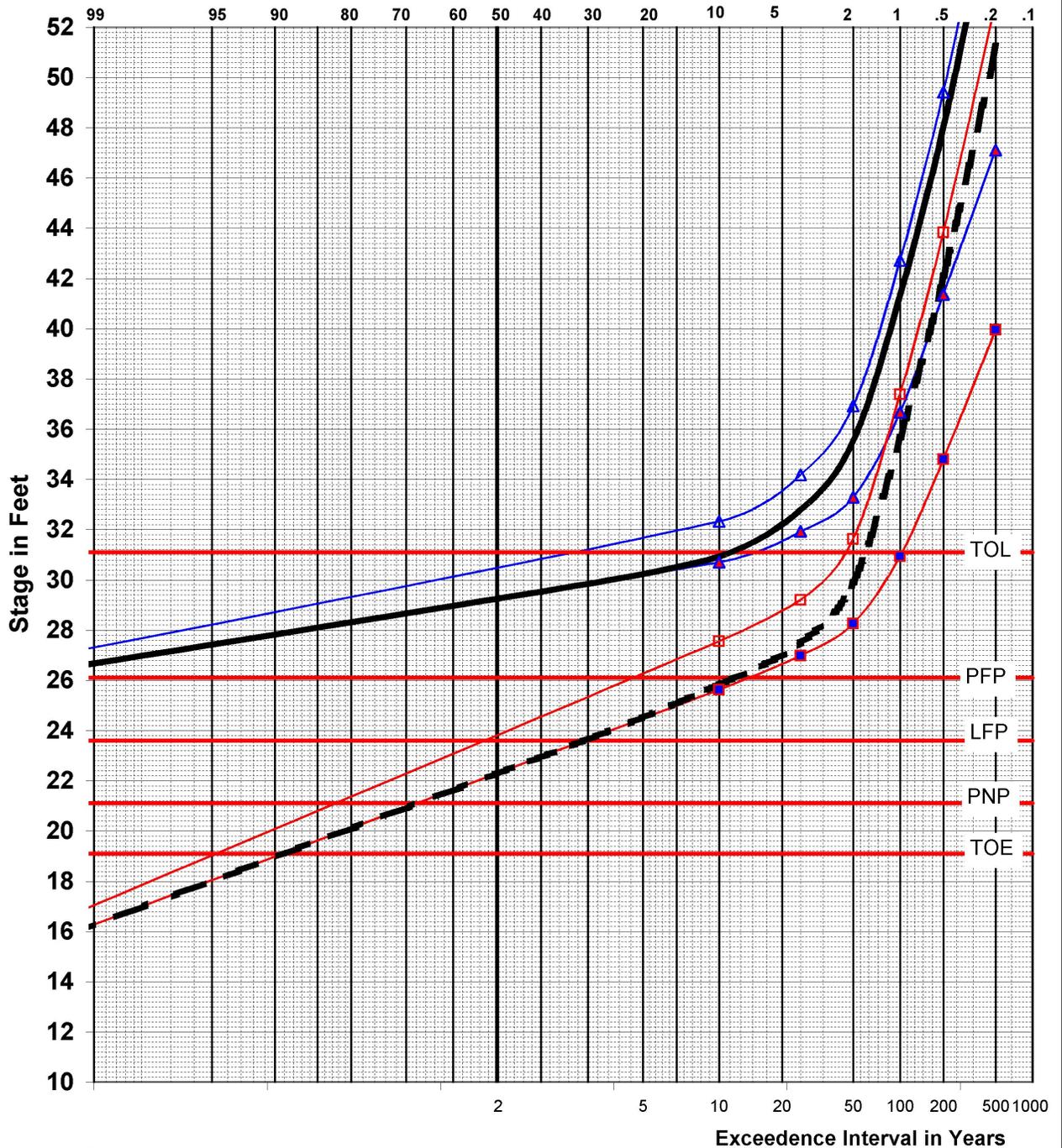
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ27
 Corps of Engineers, Sacramento District
 October 2002 **PLATE D.2-26**

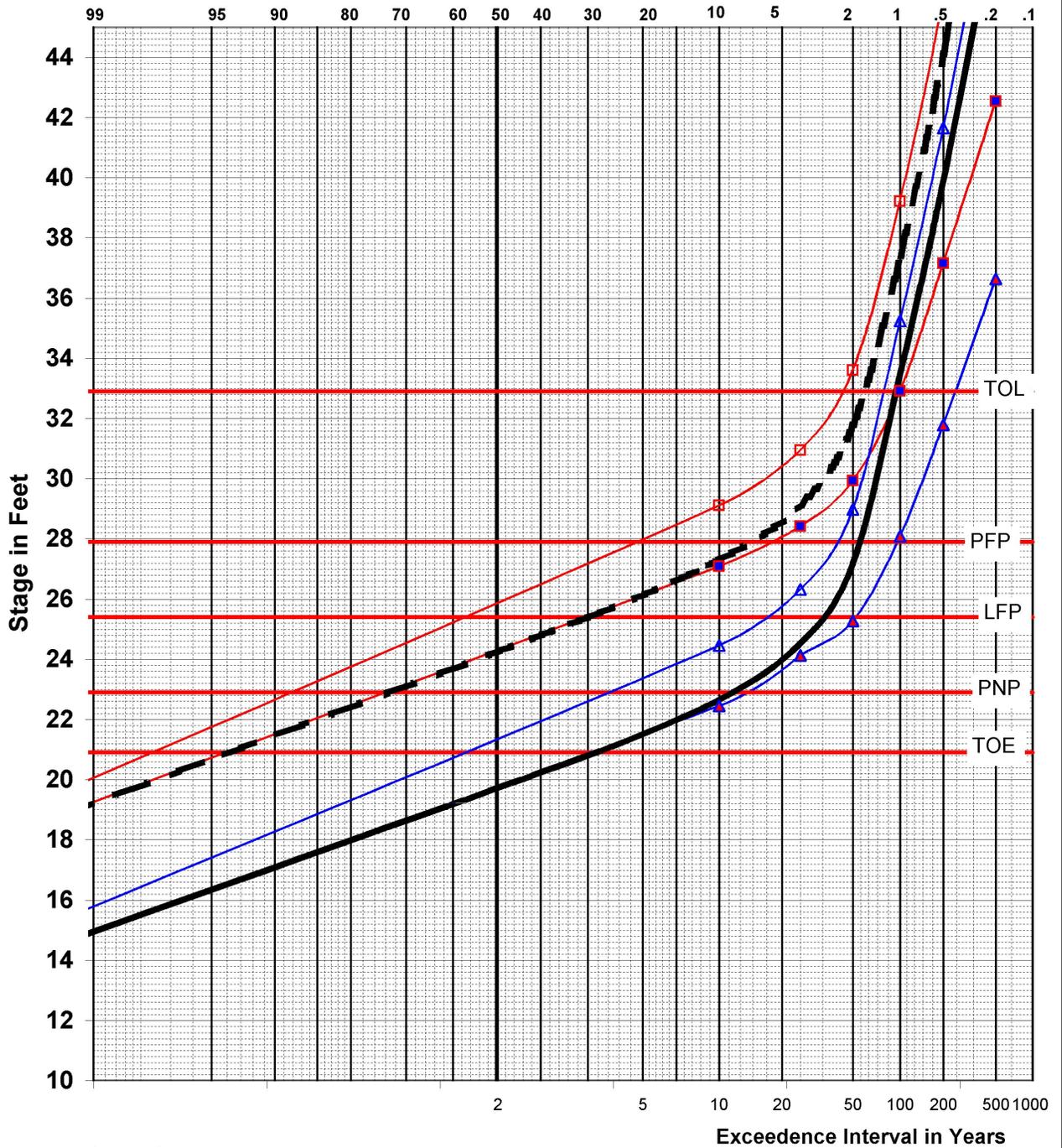
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ28	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-27

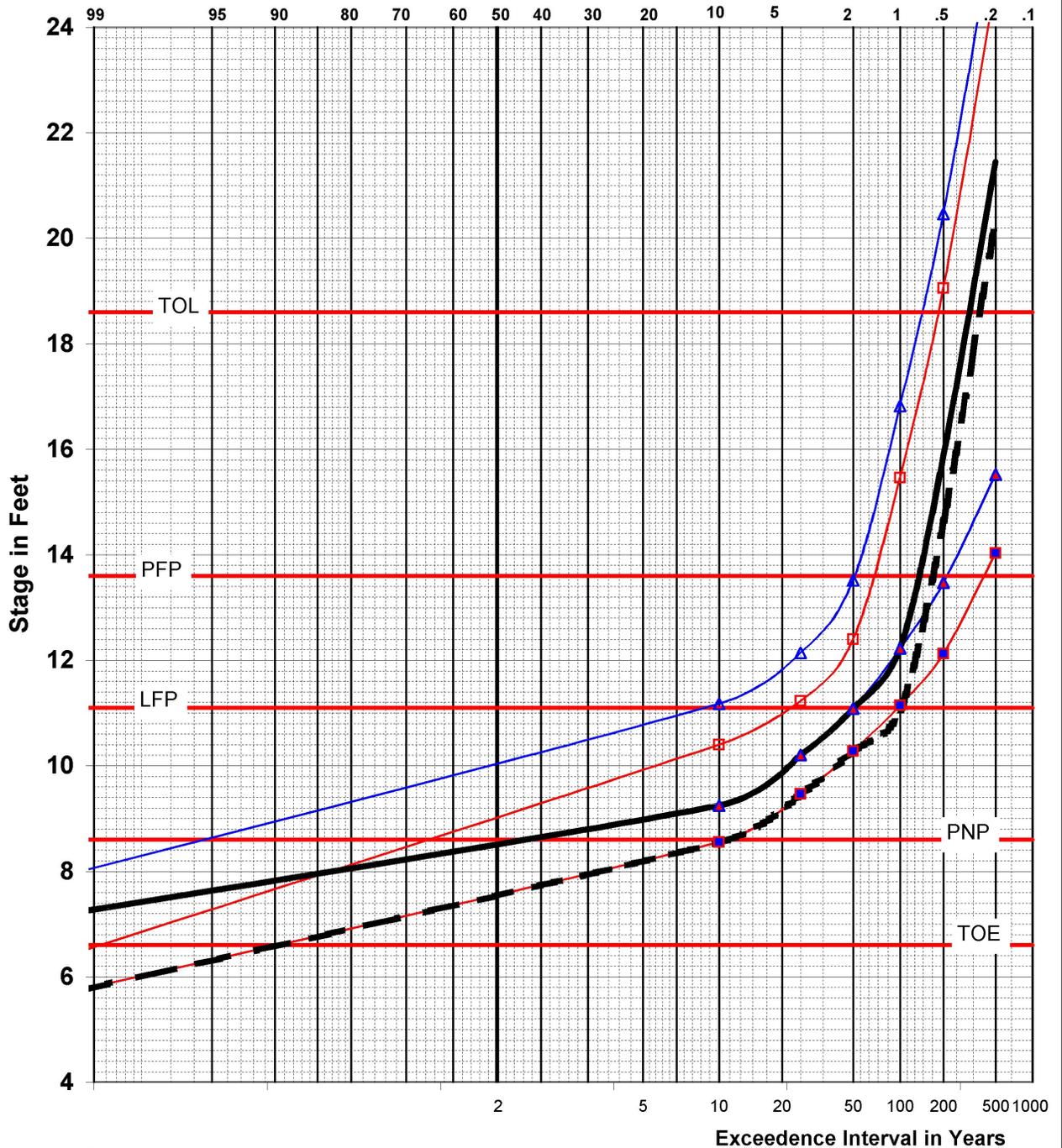
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ29	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-28

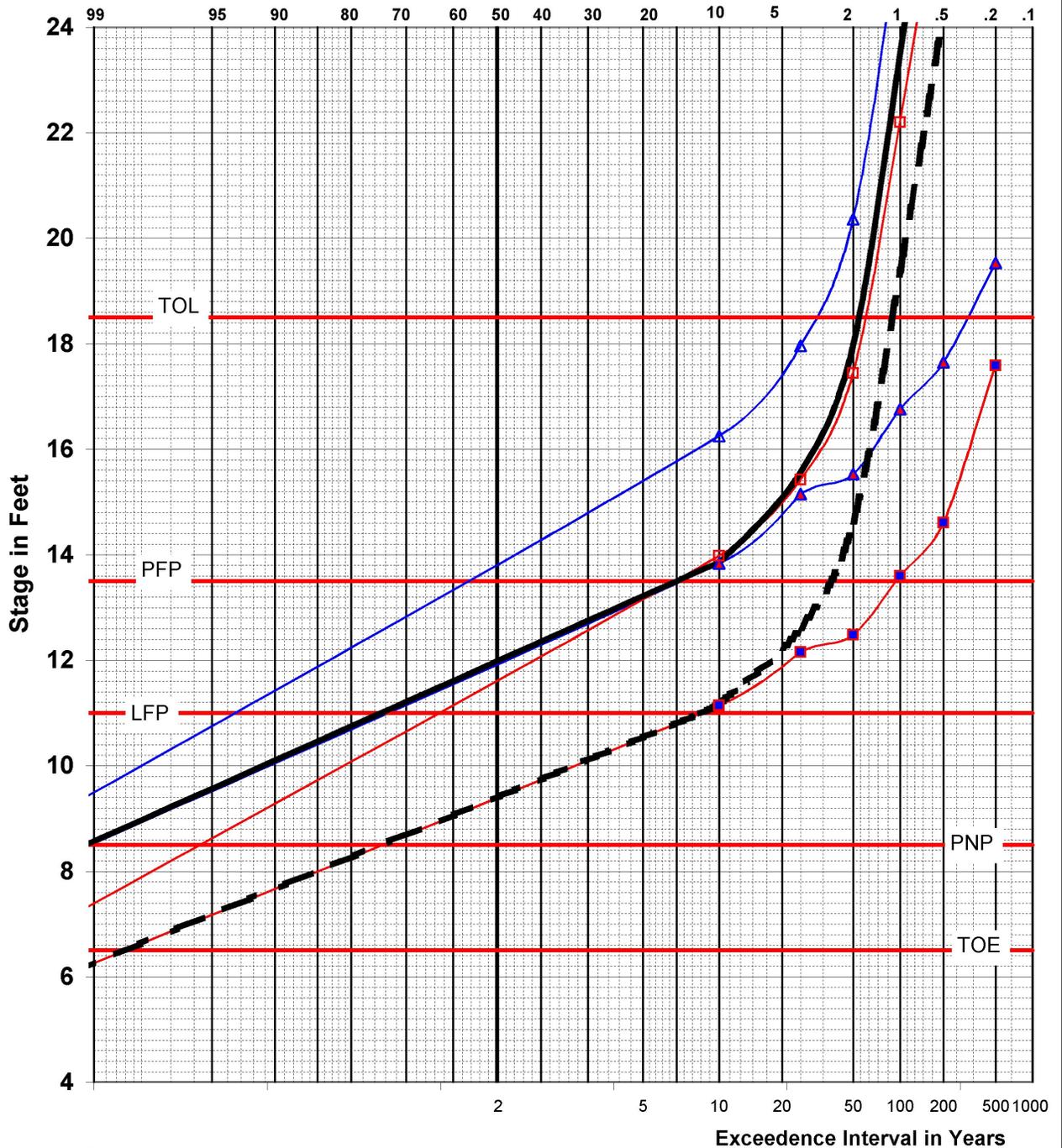
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

<p>COMPREHENSIVE STUDY</p> <p>Phase II Economics</p> <p>STAGE FREQUENCY CURVE</p> <p>RISK BASED ANALYSIS</p> <p>SAN JOAQUIN RIVER</p> <p>DAMAGE AREA SJ30</p>
<p>Corps of Engineers, Sacramento District</p> <p>October 2002</p>
<p>PLATE D.2-29</p>

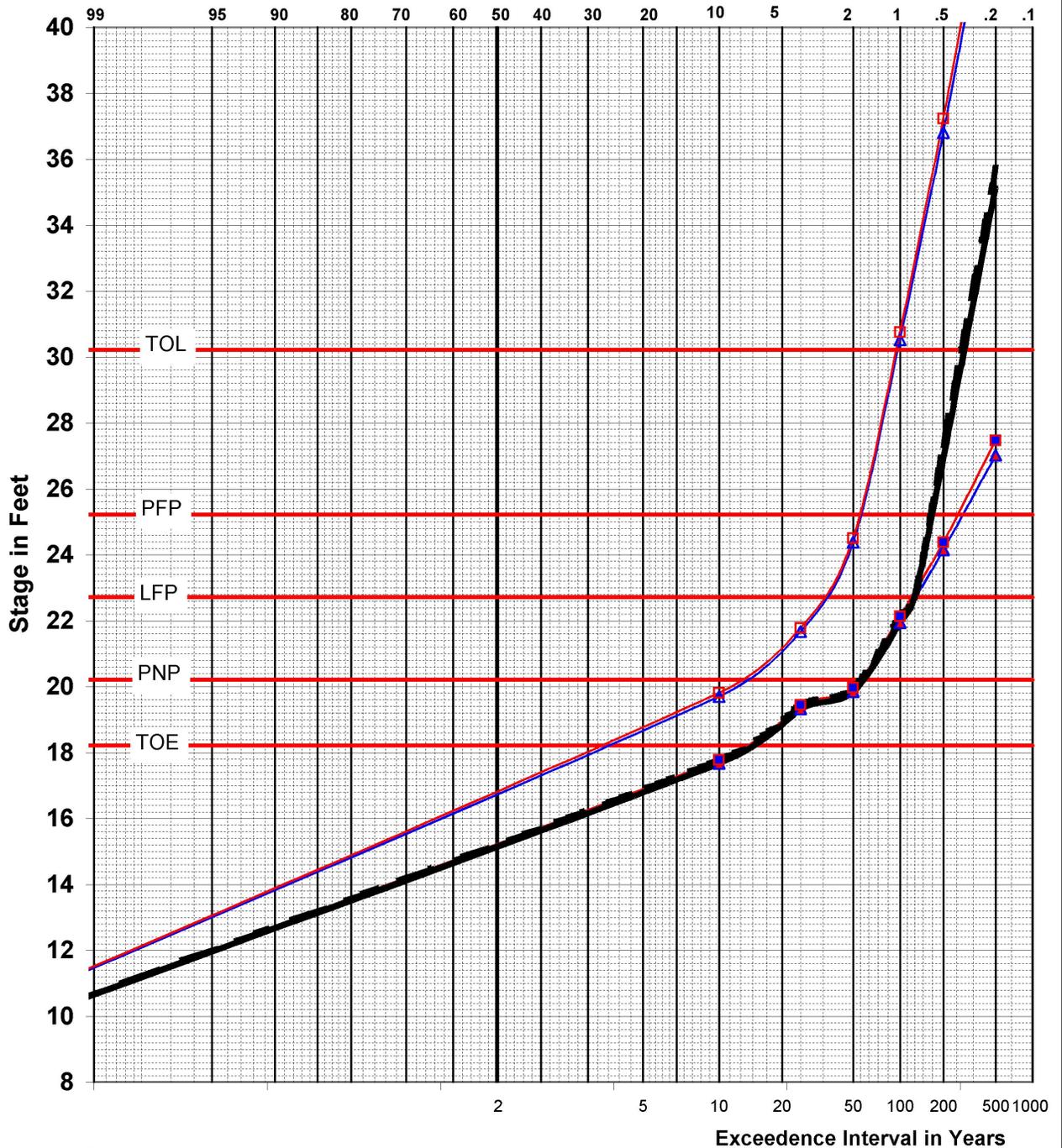
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ31
 Corps of Engineers, Sacramento District
 October 2002 **PLATE D.2-30**

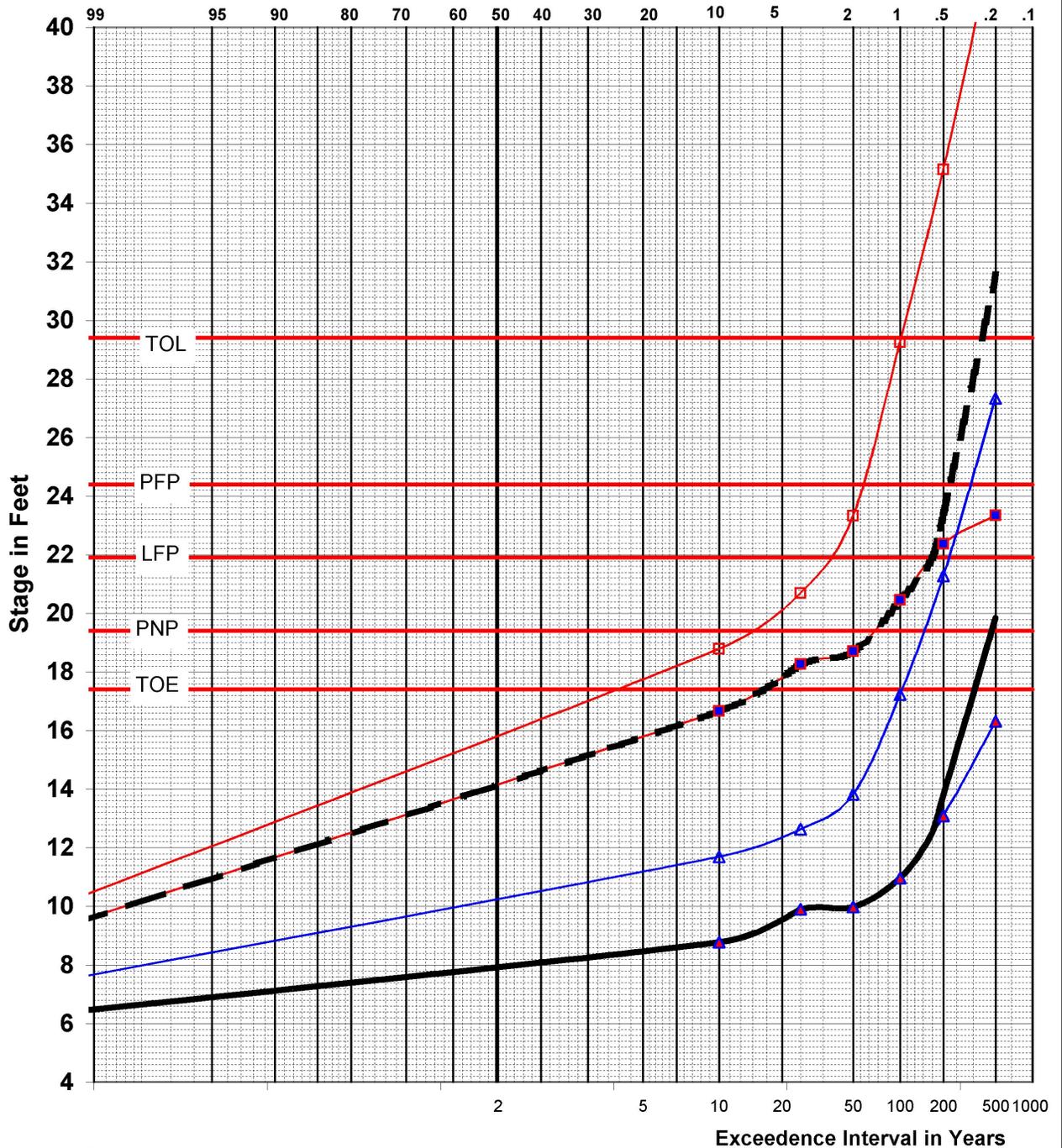
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ32	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-31	

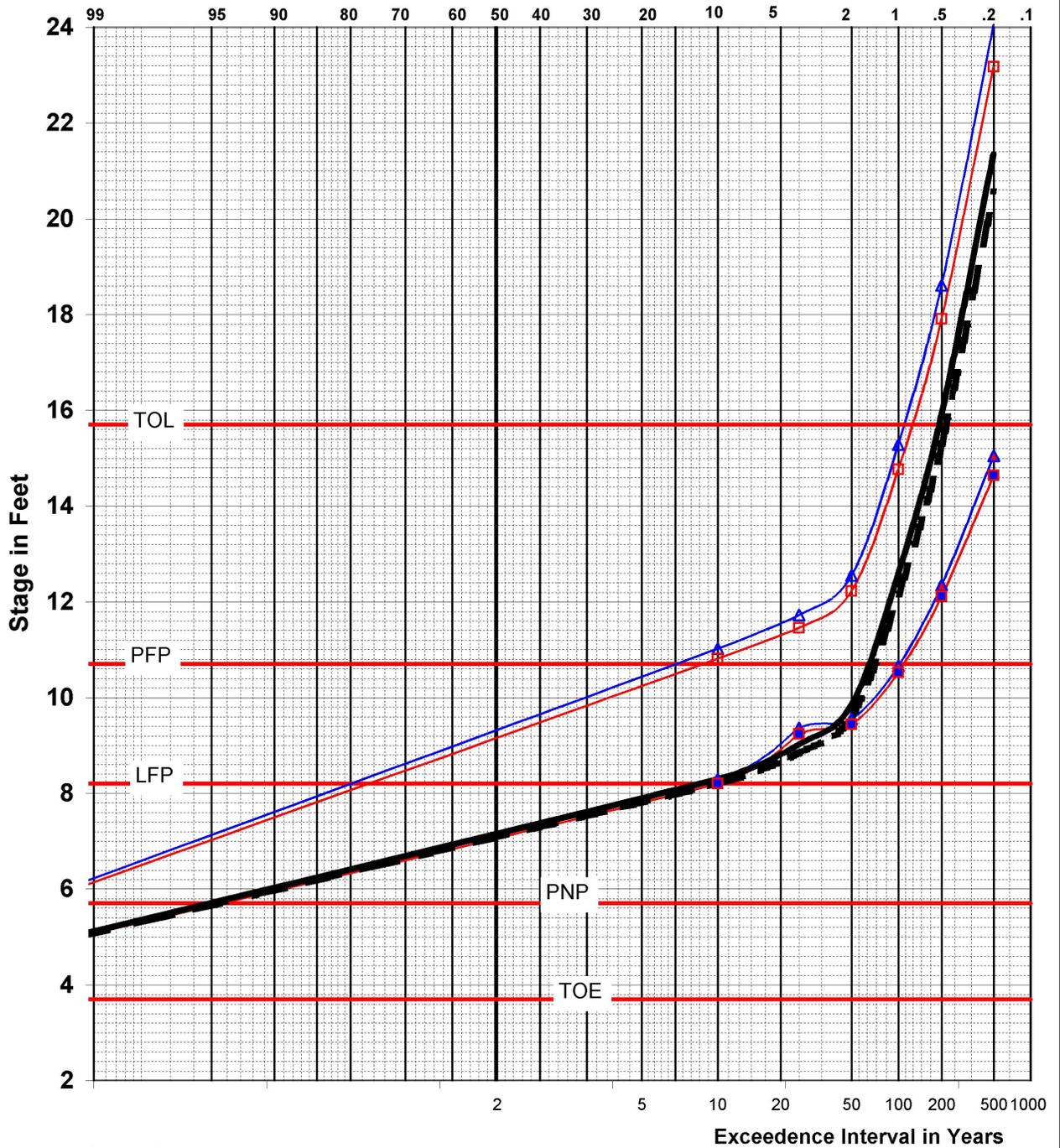
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY		
Phase II Economics		
STAGE FREQUENCY CURVE		
RISK BASED ANALYSIS		
SAN JOAQUIN RIVER		
DAMAGE AREAS	SJ33	SJ34
Corps of Engineers, Sacramento District		
October 2002		PLATE D.2-32

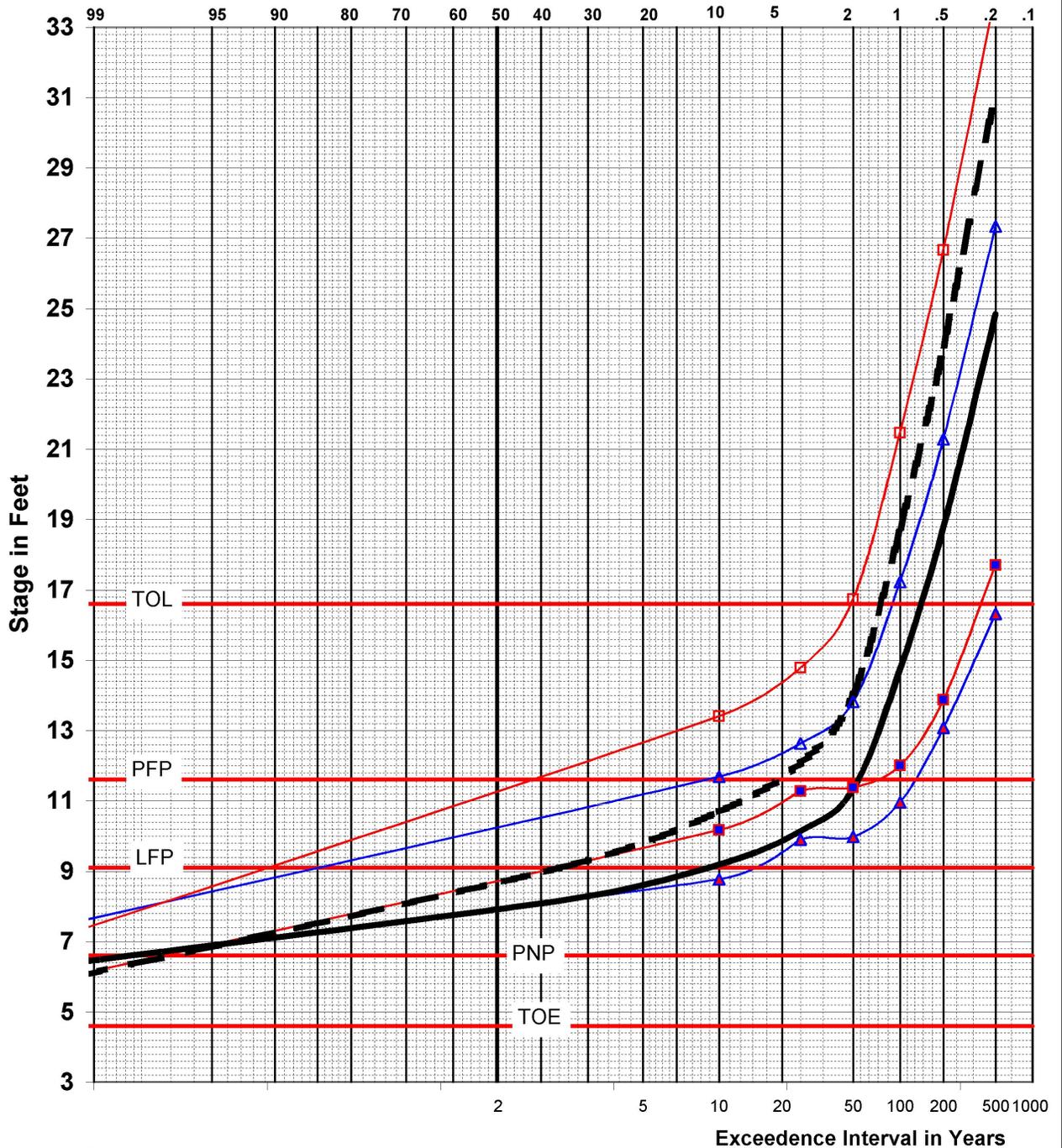
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ35	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-33	

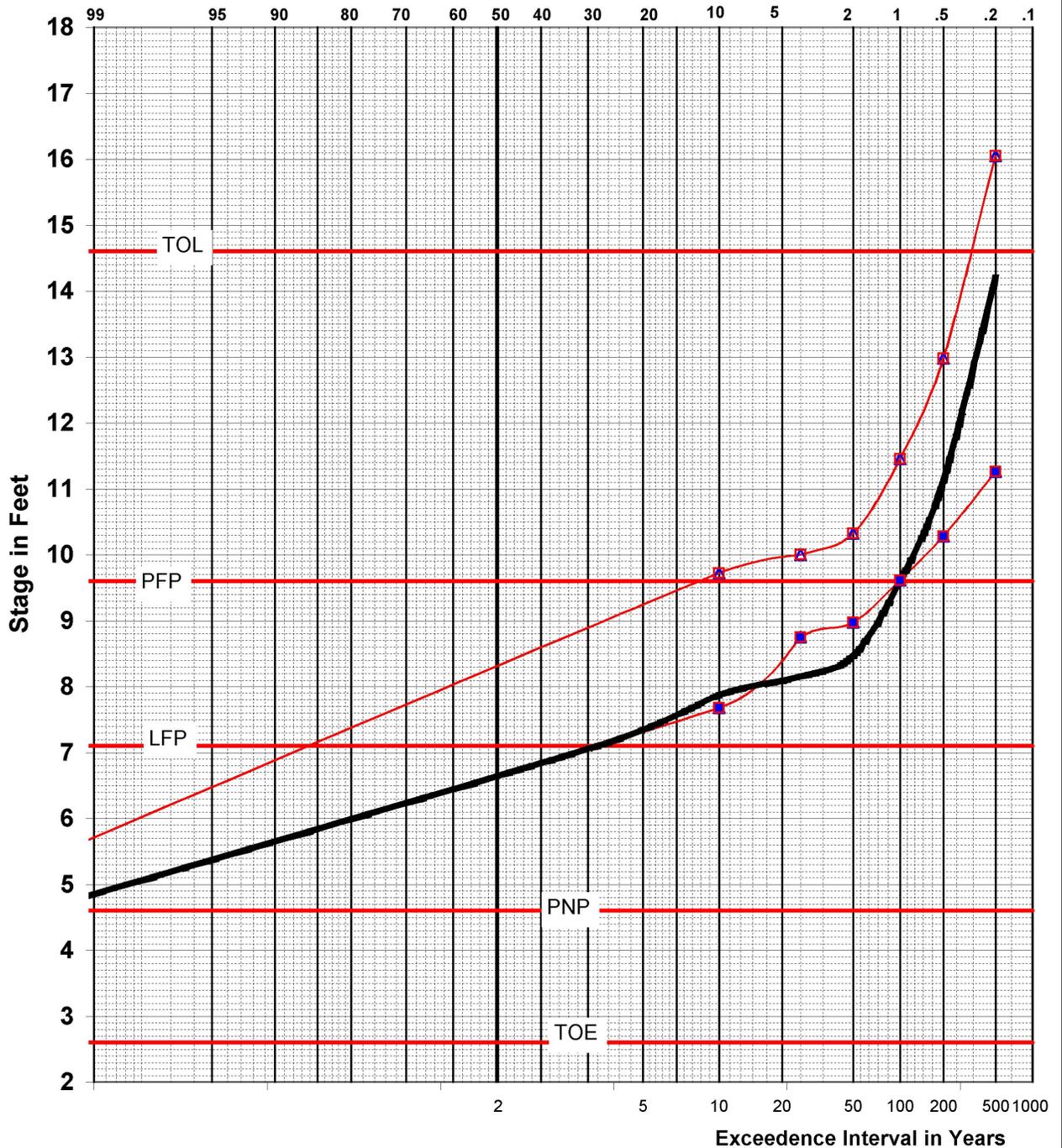
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ36	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-34

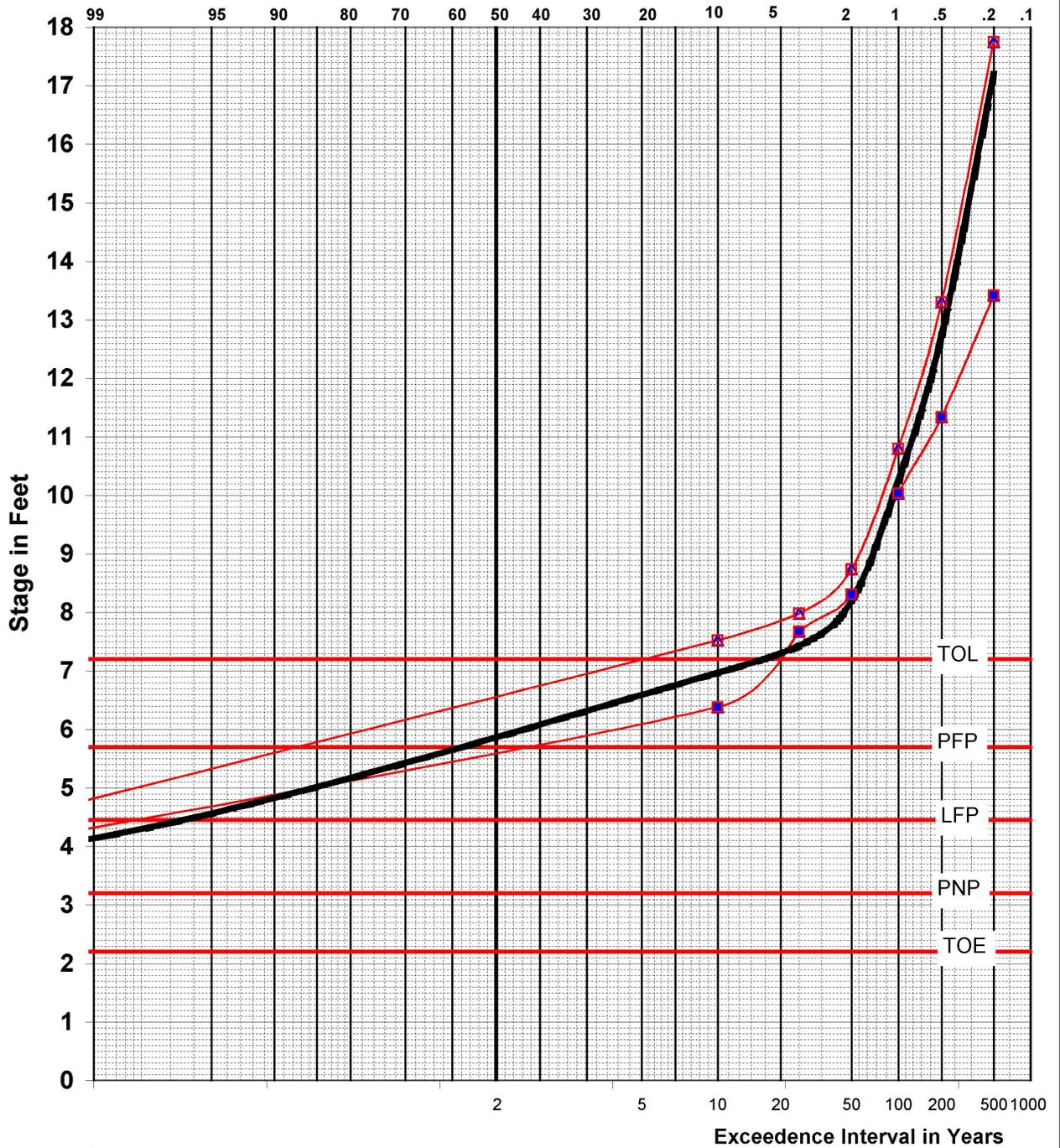
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ37	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-35

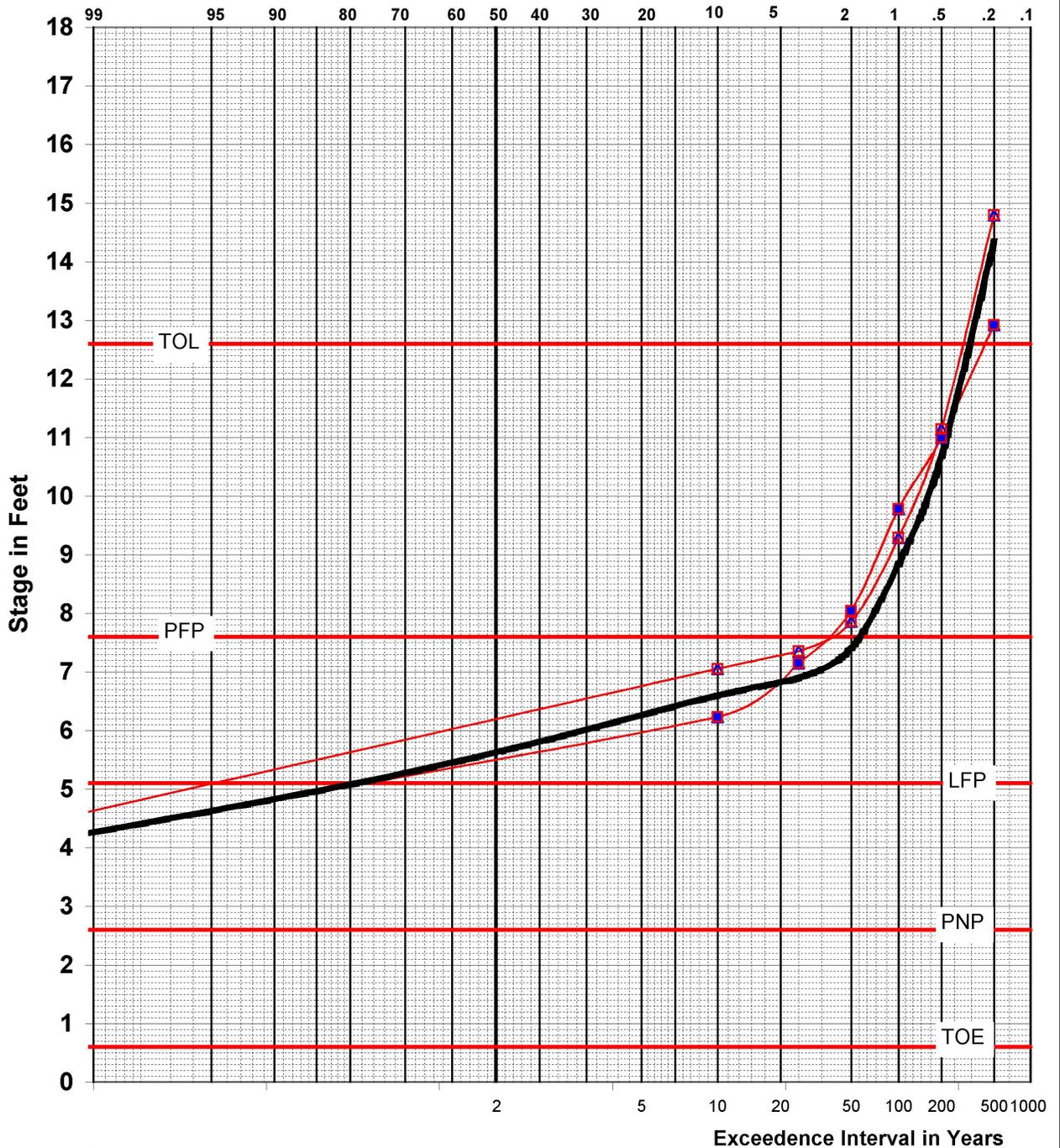
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

<p>COMPREHENSIVE STUDY</p> <p>Phase II Economics</p> <p>STAGE FREQUENCY CURVE</p> <p>RISK BASED ANALYSIS</p> <p>SAN JOAQUIN RIVER</p> <p>DAMAGE AREA SJ38</p>
<p>Corps of Engineers, Sacramento District</p> <p>October 2002</p>
<p>PLATE D.2-36</p>

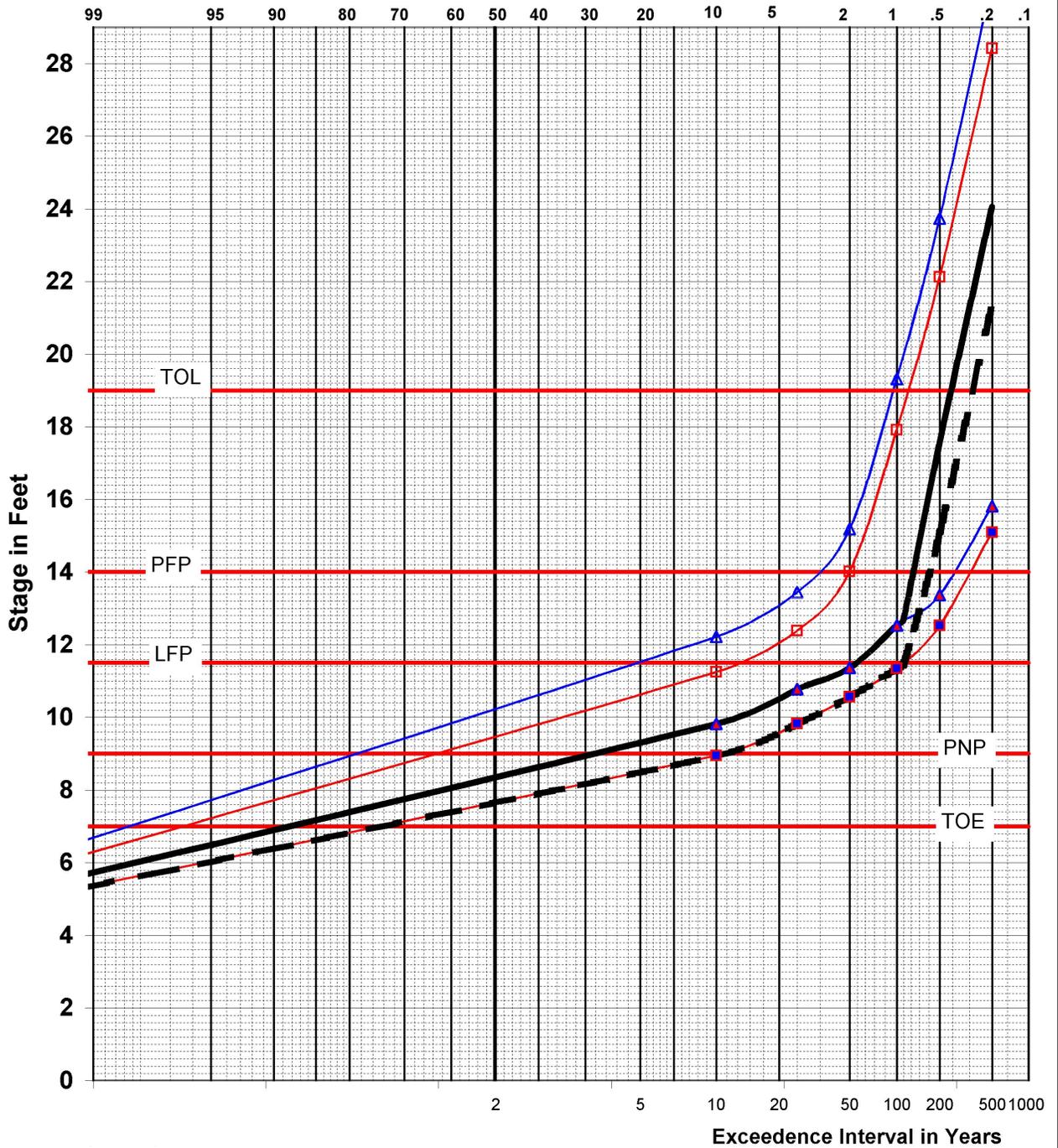
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ39	
Corps of Engineers, Sacramento District	October 2002
PLATE D.2-37	

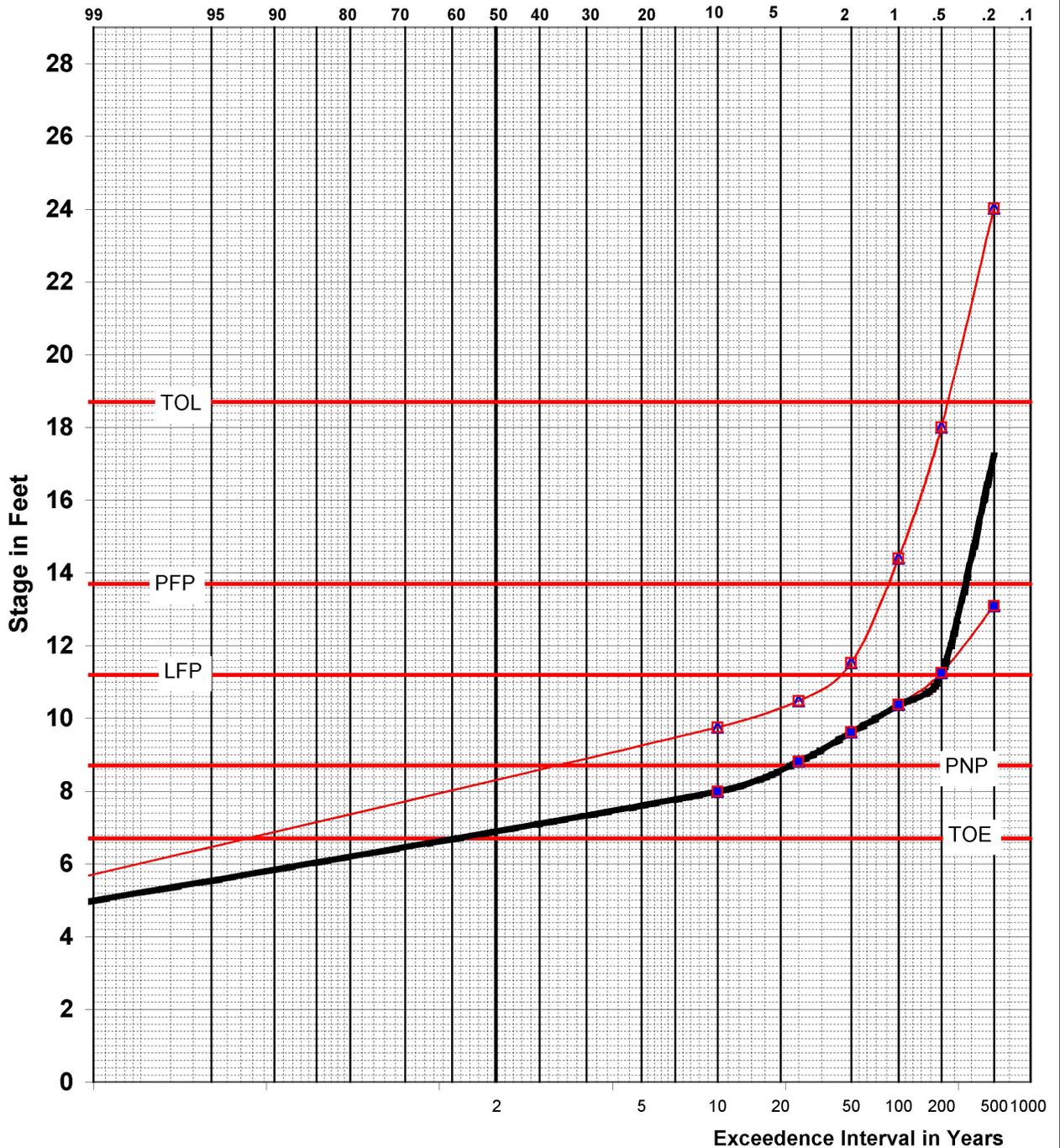
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY
Phase II Economics
STAGE FREQUENCY CURVE
RISK BASED ANALYSIS
SAN JOAQUIN RIVER
DAMAGE AREA SJ40
 Corps of Engineers, Sacramento District
 October 2002 **PLATE D.2-38**

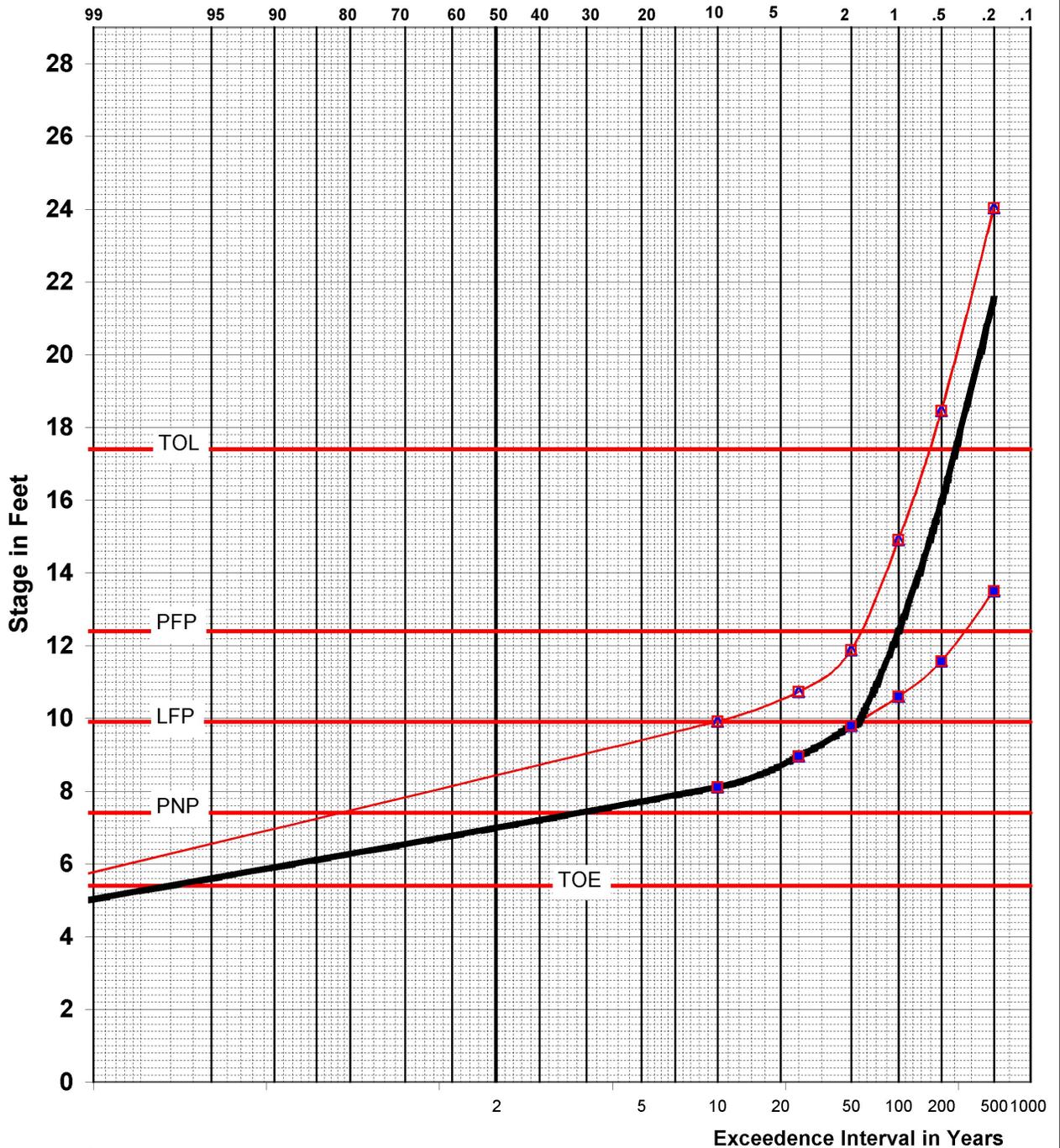
Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

<p>COMPREHENSIVE STUDY</p> <p>Phase II Economics</p> <p>STAGE FREQUENCY CURVE</p> <p>RISK BASED ANALYSIS</p> <p>SAN JOAQUIN RIVER</p> <p>DAMAGE AREA SJ41</p>
<p>Corps of Engineers, Sacramento District</p> <p>October 2002</p>
<p>PLATE D.2-39</p>

Exceedence frequency per 100 years



- Legend
- Solid Square = Base Conditions @ Breakout
 - Hollow Square = Infinite Channel @ Breakout
 - Solid Triangle = Base Conditions @ IP
 - Hollow Triangle = Infinite Channel @ IP
 - Heavy Dashed = Hybrid @ Breakout
 - Heavy Solid = Hybrid @ IP

COMPREHENSIVE STUDY	
Phase II Economics	
STAGE FREQUENCY CURVE	
RISK BASED ANALYSIS	
SAN JOAQUIN RIVER	
DAMAGE AREA SJ42	
Corps of Engineers, Sacramento District	
October 2002	PLATE D.2-40