Go Jump in the Lake

Crater Lake

1,943	feet deep
20.6	square miles

Average Human Volume

2.176	cubic feet

Population

7,800,000,000	people

Total volume increase from population

16,972,800,000	cubic feet	=	7,800,000,000	x	2.176
1	cubic mile	=	147,197,952,000	cubic feet	
16,972,800,000	cubic feet	=	0.11530595208281200	cubic miles	

Water Rise - spread over 20.6 square miles

0.11530595208281200	cubic miles				
divided by	20.60	=	0.0055973763146995900	miles	rise in water
1	mile	=	5,280	feet	
0.00559737631469959000	miles	=	29.5541469416138000	feet	rise in water

Cross Check Answer

Area of a Circle	A = Pi x r^2	=	20.6	square miles	
	r	=	Sqrt(A/Pi)		
	r	=	2.5606998370340300	miles	
Volume of a cylinder	= pi x r^2 x h	=	0.1153059520828120000	cubic miles	
	r	=	2.56069983703403000	miles	
	h	=	0.0055973763146995900	miles	rise in water
		=	29.5541469416138000	feet	rise in water