$$EWW1_{iACTUAL} = \left(6.0*10^{-8}\right) Q_i\ H_i \sum_{m=1}^{s} \left[Fe_m HAP_{im}\left(1-PR_{im}\right)\right] + 0.05\left(6.0*10^{-8}\right) Q_i\ H_i \sum_{m=1}^{s} \left[HAP_{im} PR_{im}\right]$$