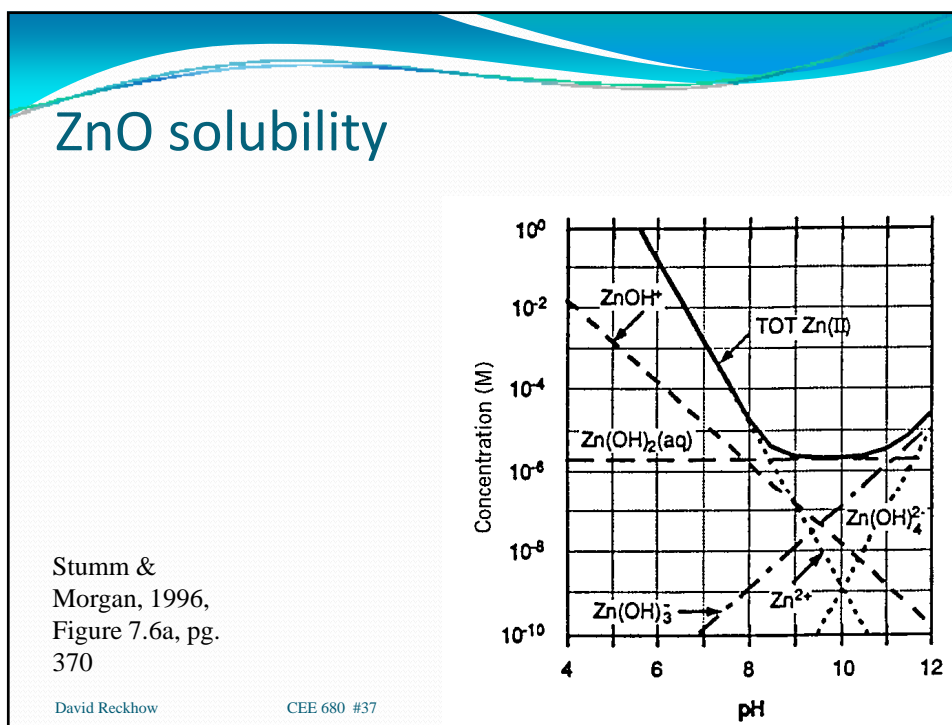


Updated: 16 November 2008 [Print version](#)

CEE 680: Water Chemistry

Lecture #37
Precipitation and Dissolution: Metal Hydroxides/Oxides & Carbonates
(Stumm & Morgan, Chapt.7)
Benjamin; Chapter 8.7-8.15

David Reckhow CEE 680 #37 1



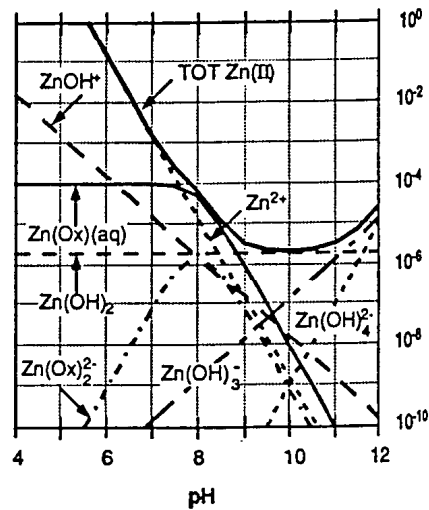
ZnO solubility

- With oxalate
- 10^{-4} M

Stumm & Morgan, 1996, Figure 7.6b, pg. 370

David Reckhow

CEE 680 #37



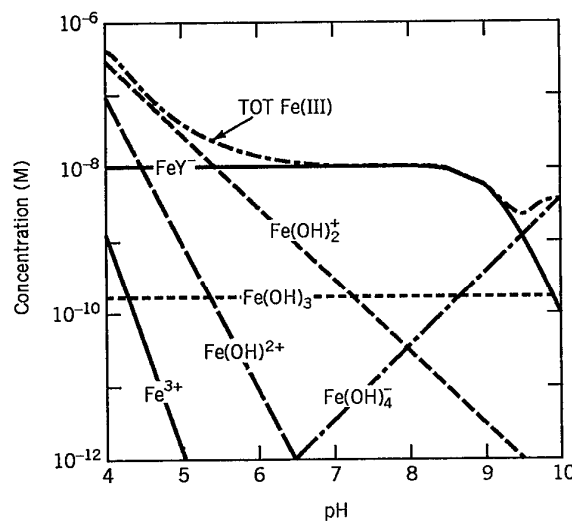
Fe with EDTA

- 10^{-8} M EDTA
- Elevates solubility in mid-pH range

Stumm & Morgan, 1996, Figure 7.7a, pg. 371

David Reckhow

CEE 680 #37



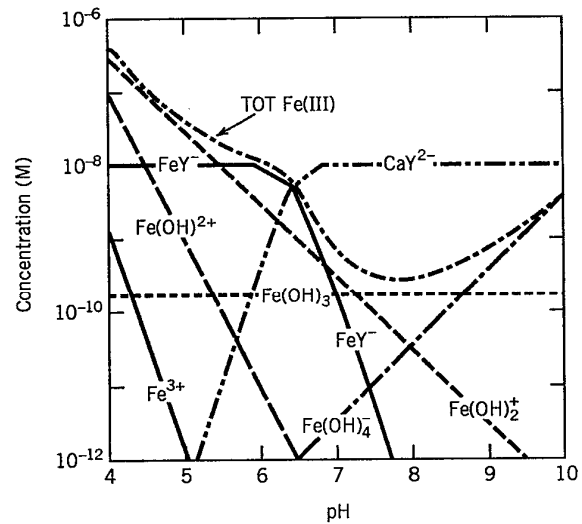
Fe with EDTA & Ca

- 10^{-8} M EDTA
- 10^{-2} M Ca
- Mostly counteracts affect of EDTA

Stumm & Morgan, 1996,
Figure 7.7b, pg.
371

David Reckhow

CEE 680



- To next lecture

David Reckhow

CEE 680 #37

6