

Whole document read/scanned. Links not all checked but the few tested worked ok. References and reference list not checked for consistency.

pdf page(s)	PHREEQC page(s)	Comment
4		line 5: 2011 not 2010
16-19	xiv - xvii	Check all figure captions for loss of superscripts, e.g. 22Na , Na^+ , Cl^- , 36Cl^- etc
16-19	xiv - xvii	Double? line spacing of list of Figures seems too wide and contrasts with single? spacing of List of Tables. Spacing of table of Contents seems about right.
27 line3		but ion fluxes -> but where ion fluxes
27		You refer to PHREEQE but not PHREEQC version 2. I wonder whether you should say in the second sentence of the Abstract something like 'It updates PHREEQC version 2 (P&A,1999)'. Or is that self-evident?
446...	422...	Footnote says 'PHAST Version 2'
29	5	Strong and weak sites are not a necessary part of the DLM or CD_MUSIC
29	5	para 3: which activity - surface or solution? Not that clear.
30	6	line-7: defining -> define
31	7	line 11: to the program -> by the program
32	8	'The ion exchange model assumes that the thermodynamic activity...' - it is the IE formulation and data in the databases that assume this, not the model per se.
33	9	Transport Modelling, line 4: ? in the many cases -> in many cases
35	11	last para, line 2: -> until it reaches an END keyword or the end of the file.
36	12	para 1: -> provides total concentrations of elements in solution.
	12	last para: -> one or more types of complexation sites
38	14	para 2 line 10: bold 'Examples'
43	19 etc	para 1, line 3: ? table 1 etc (lc 't' - bit unusual though it is consistent throughout, like 'equation'. USGS format?)
52	27	last line: -> table 3 (delete 'table')
53	29	Phosphorous -> Phosphorus
55	31	line -3: next <higher> numbered cell (depends on direction of flow)
59	35	para 3: Solution <0> is the infilling solution (depends on direction of flow). Also see bottom of page.
126	102	line -10: -> the <absolute> difference between two estimates...
136	112	Notes line 1: ?previous versions <of> PHREEQE and PHREEQC

2012?

Fixed

Draft only
Double space table too.

start

added phrase in abstract

Thermln

rephrased

added "exchange species"

rephrased

✓

✓

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✓

Make consistent throughout text.
Survey style
I did

protection only higher, no backward advection

added sentences for forward flow only

		USE solution 1 USE surface 1 EQUILIBRIUM_PHASES 1 Fix_H+ -5.25 NaOH 10.0 END # and so on...	✓
355	331	line -8: '...in an astonishingly good agreement'. Delete 'an'.	✓
357	333	axis_titles: CELCIUS -> CELSIUS (also plot)	✓
360	336	line -3: ? decrease in -> decrease	✓
373	349	line 2: ppm., -> ppm,	✓
381	357	line -7: Nta.(mol/L) - delete full-stops	✓
382	358	line before Table 42: missing full-stop at end of sentence	✓
394	370	para 2: limits (while minimizing - delete (✓
494	446	Christensen, TH (1984): 'at low concentration(s)' - duplicated	✓
		Daveler reference: improve line break	✓

Examples

Refs

6553

Eyes
Brown
Line
Gray