Message

From: Bolt, Matthew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2456E92CF5334FA5B89AF3DBB9A69119-BOLT, MATTH]
Sent: 3/15/2017 10:07:00 PM
To: Jade Dickens [Dickens.Jade@azdeq.gov]
Subject: FW: Further Queen Creek TMDL draft comments

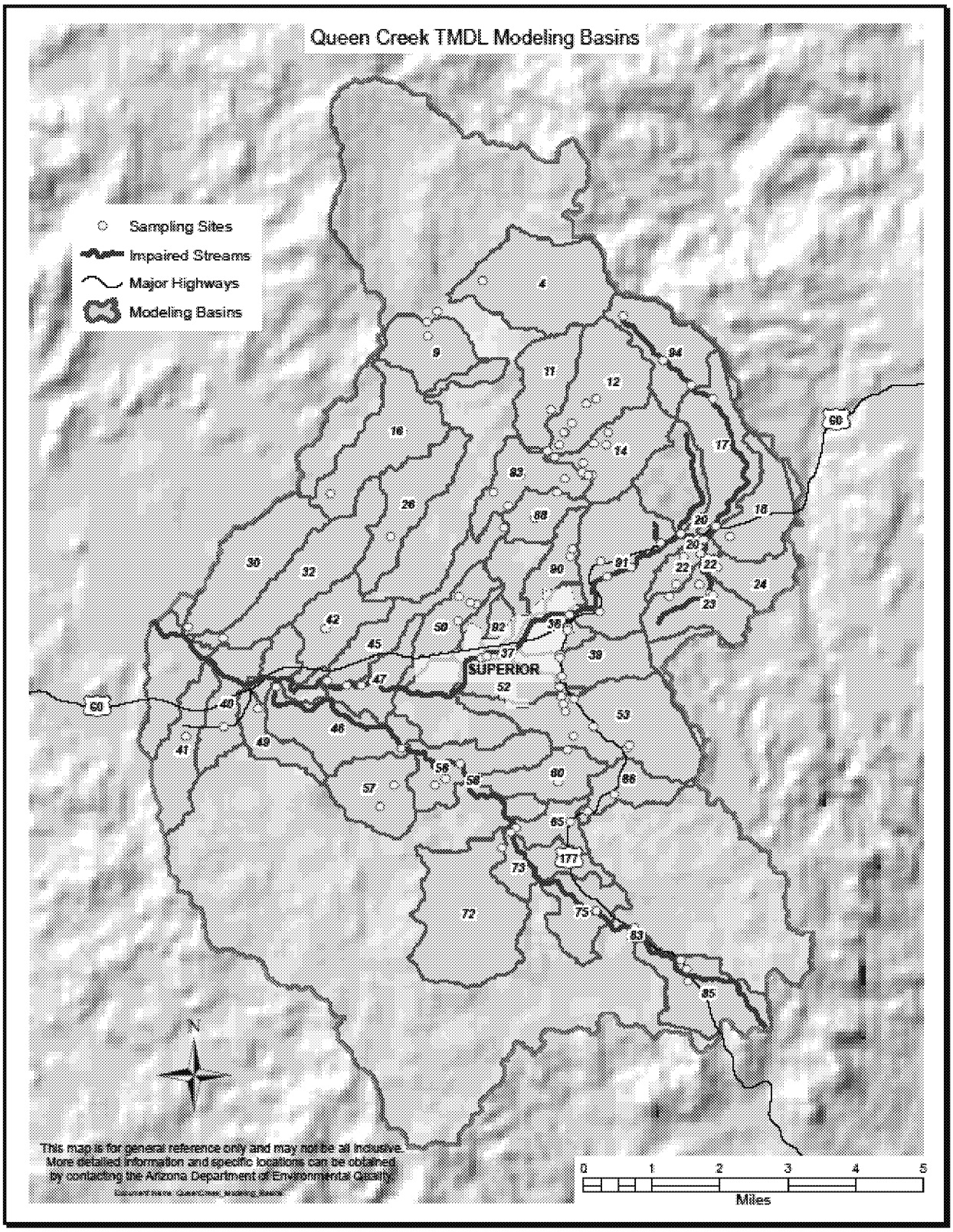
Hi Jade,
Please see the below re: our conversation this afternoon. Just looking at the map and table again, I am having a hard time finding each subbasin and seeing how the average hardness changes from upstream to downstream.

Thank You,
Matt

Table 4: Existing Conditions 24-Hour Average Dissolved Copper Concentrations (µg/L)

Sub-watershed	(1)Average Hardness (mg/L)	Acute Criterion (ug/L)	Chronic Criterion (ug/L)	Existing Conditions				
				2Yr 1H	2Yr 24H	10Yr 24H	25Yr 24H	100Yr 24H
Oak Flat Seg 22	34	4.86	3.56	35.1	32.7	33.2	33.6	35.0
QC Hwy 60 Seg 17	105	14.07	9.34	20.6	18.6	18.8	18.8	19.2
QC Magma Avenue Seg 91	63	8.70	6.03	23.4	22.9	22.1	22.8	23.6
QC Mary Avenue Seg 38	106	14.20	9.41	22.3	13.5	16.9	17.3	18.6
QC below Mine Disch. Seg 92	96	12.93	8.65	12.5	0.8	12.3	14.1	15.4
Apex Wash Seg 50	182	23.63	14.94	13.1	3.9	11.4	13.0	14.5
QC Arboretum Seg 47	358	44.69	26.63	4.7	7.0	11.5	12.6	13.7
Silver King Wash Seg 45	262	33.30	20.40	14.3	9.1	10.1	10.3	10.5
Happy Camp Canyon Seg 42	460*	49.62	29.28	10.2	10.6	13.0	14.5	15.3
Arnet Creek Seg 46	98	13.19	8.80	9.0	4.3	5.7	5.9	6.3
Alamo Canyon Seg 49	116	15.46	10.17	6.8	6.9	8.0	8.6	8.8
Potts Canyon Seg 30	129	17.08	11.13	10.6	6.0	7.3	7.3	7.4
Reymert Wash Seg 28	432*	49.62	29.28	5.7	6.8	7.8	8.5	8.9
QC Outlet Seg 25	131	17.33	11.28	14.4	12.4	12.1	12.3	12.4

* = Use cap of 400 mg/L total hardness
(1) – Average Hardness represents updated values from the original table based on a review of available total hardness data as discussed in Section 3.3.1



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