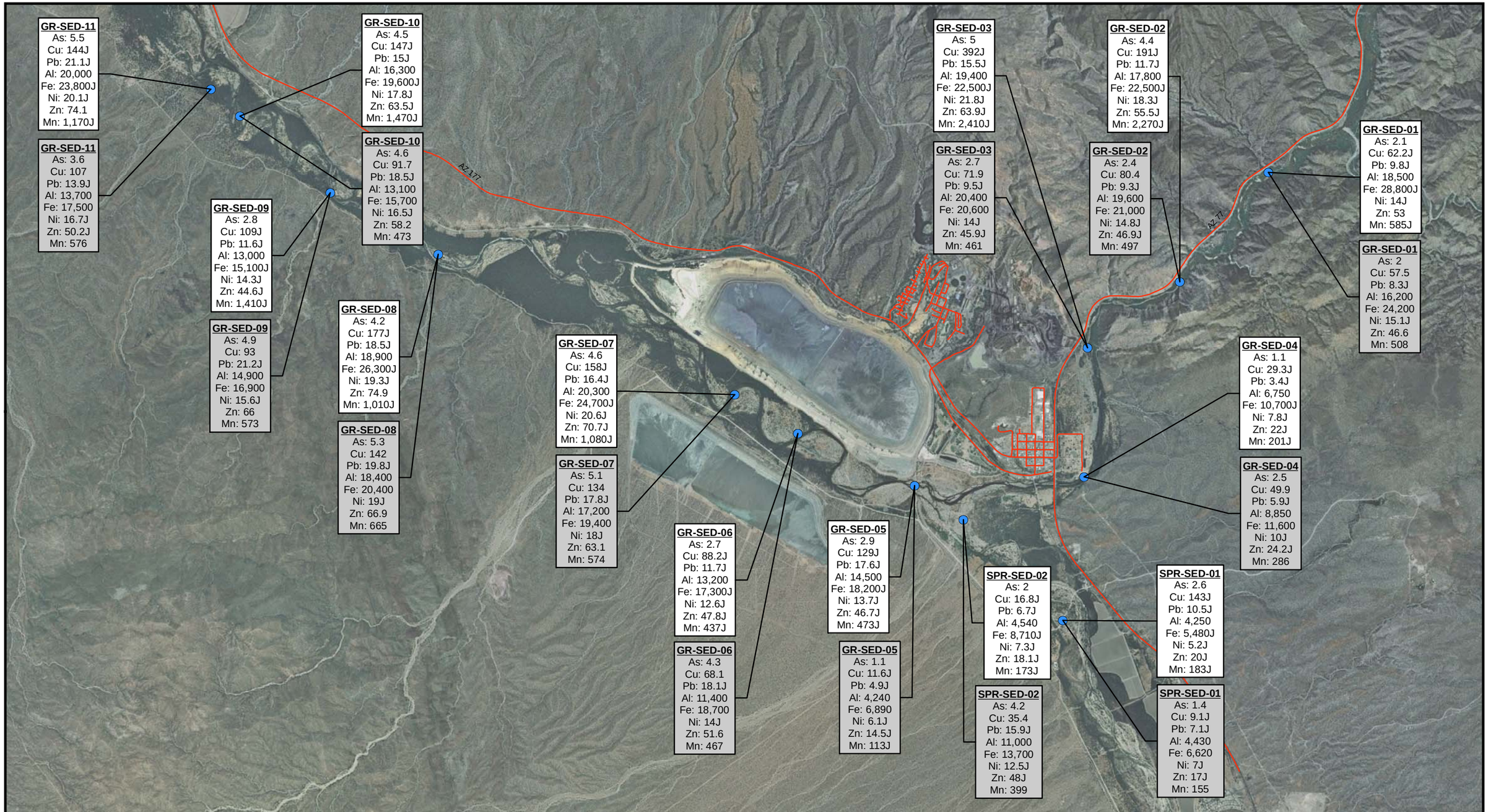

Legend

- Sediment Sample Location
- Road

Data Collection Months

- Collected in March 2006
- Collected in August 2006

Notes:

[1] GR-SED-06 = Location ID
[2] As = Arsenic
[3] Cu = Copper
[4] Pb = Lead
[5] Al = Aluminuim
[6] Fe = Iron
[7] Ni = Nickel
[8] Zn = Zinc
[9] Mn = Manganese
[10] J = Estimated value
[11] All concentrations are in milligrams per kilogram (mg/kg).
[12] Aerial Source: ESRI I3 Imagery Prime World 2D dataset, April 26, 1992; October 12, 1992; June 17, 2005

N W E S

0 1,900 3,800 7,600 Feet

FIGURE 4-38
SELECTED IN-STREAM SEDIMENT SAMPLING RESULTS
WINTER AND SUMMER 2006
ASARCO, LLC Hayden Plant Site
Hayden, Arizona
The data on this figure are derived from table 4-14.

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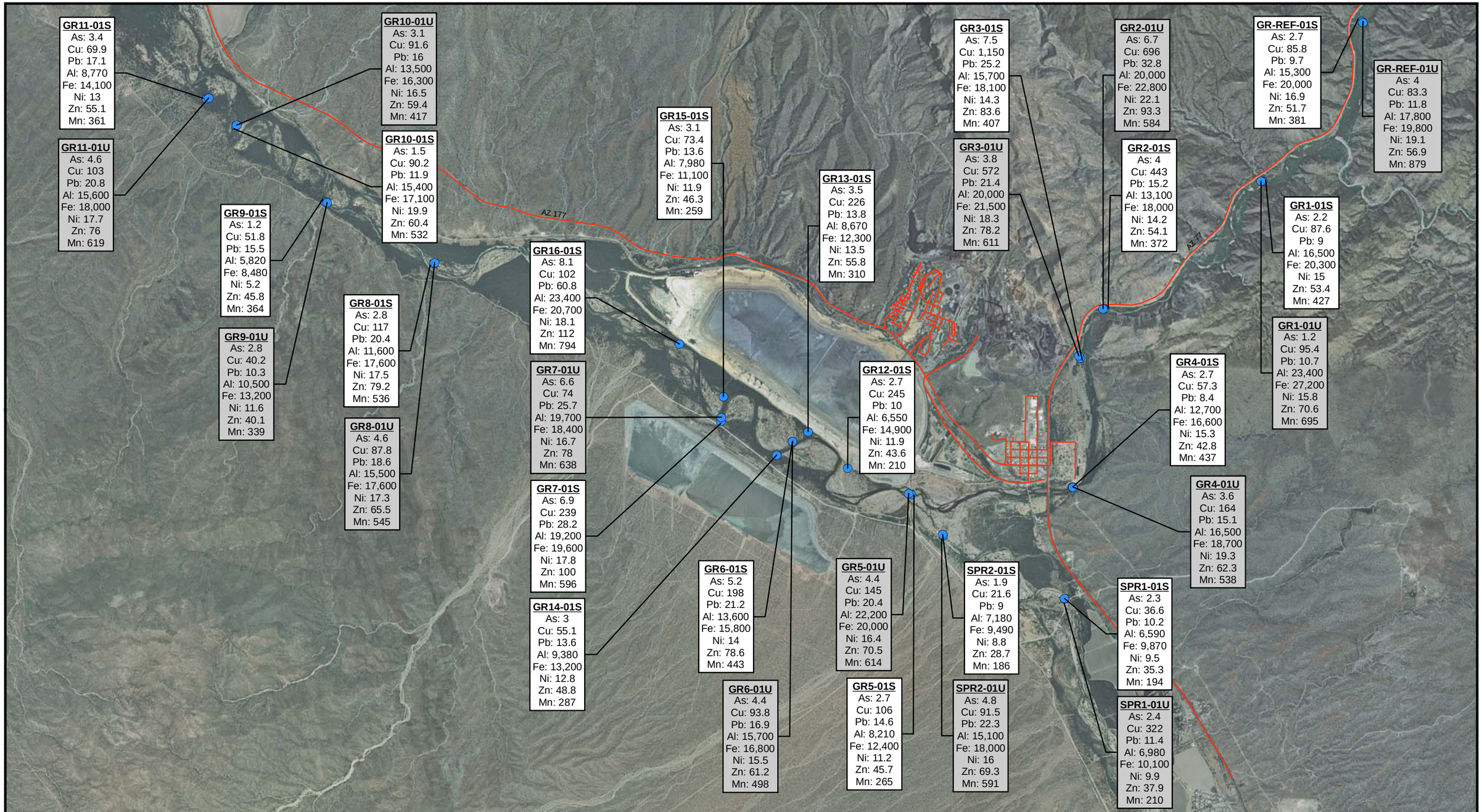
\\MADISON\GROUPS\EMS\GIS_LIBRARY\ASARCO\MAPFILES\03_FINAL\FIG4-38_SEDIMENT_SAMPLE_WINTER&SUMMER2006.MXD TJW 7/24/2008



Legend

- Riparian Sample Location
- Road

Data Type

- Stable Riparian data collected in April 2006
- Unstable Riparian data collected in April 2006

Notes:

[1] GR-01S = Location ID - stable riparian sediment
[2] GR-01U = Location ID - unstable riparian sediment
[3] As = Arsenic
[4] Cu = Copper
[5] Pb = Lead
[6] Al = Aluminuim
[7] Fe = Iron
[8] Ni = Nickel
[9] Zn = Zinc
[10] Mn = Manganese
[11] All concentrations are in milligrams per kilogram (mg/kg).
[12] Aerial Source: ESRI I3 Imagery Prime World 2D dataset, April 26, 1992; October 12, 1992; June 17, 2005

N
W E
S

0 1,900 3,800 7,600 Feet

FIGURE 4-39
SELECTED STABLE AND UNSTABLE RIPARIAN SEDIMENT SAMPLING RESULTS, APRIL 2006
ASARCO, LLC Hayden Plant Site
Hayden, Arizona
The data on this figure are derived from table 4-15.

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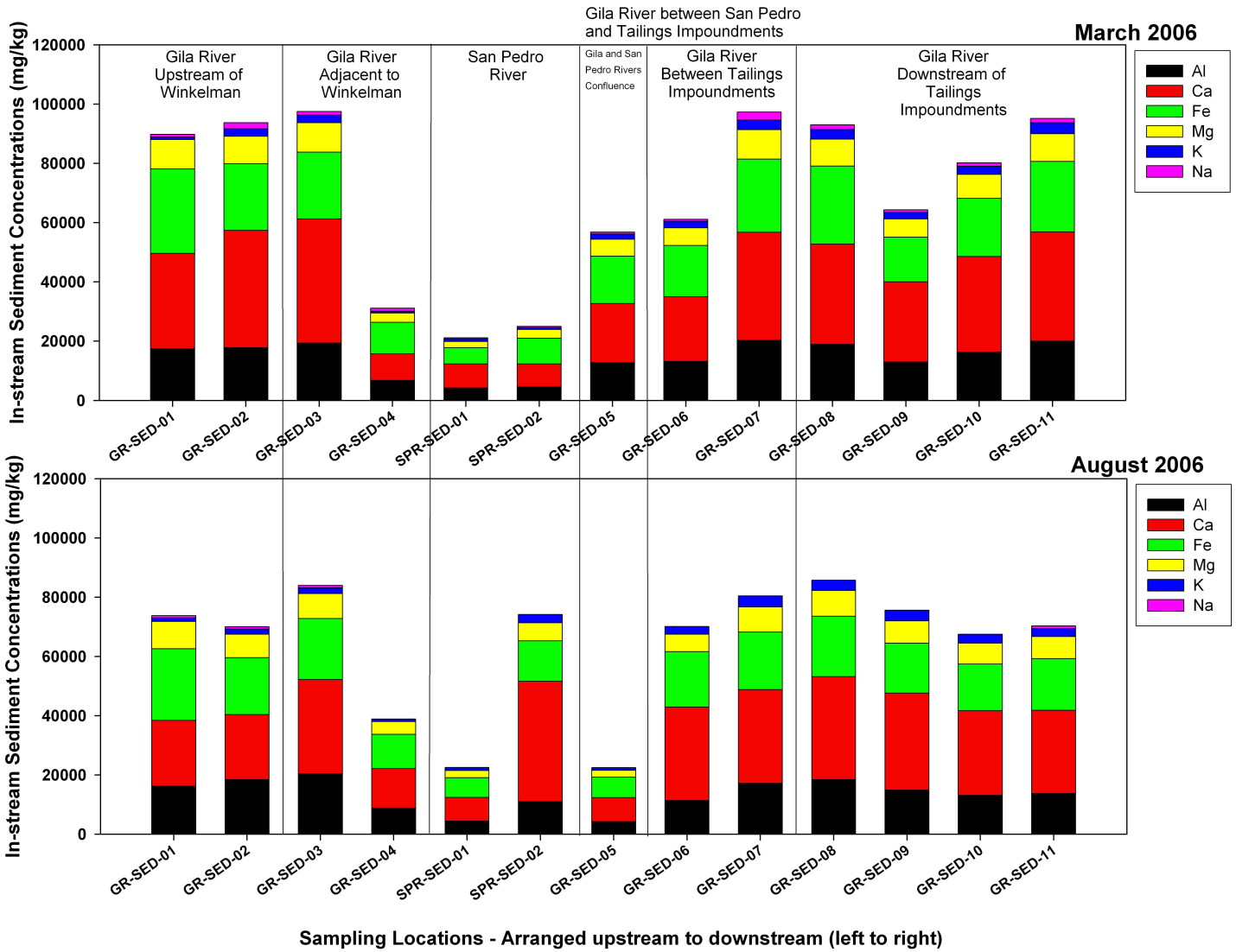
\\MADISON\GROUPS\EMS\GIS_LIBRARY\ASARCO\MAPFILES\03_FINAL\FIG4-39_RIPARIAN_SEDIMENT_SAMPLE_APRIL2006.MXD TJW 7/24/2008



Notes:

[1] mg/kg = milligrams per kilogram
[2] Al = Aluminum
[3] Ca = Calcium
[4] Fe = Iron
[5] Mg = Magnesium
[6] K = Potassium
[7] Na = Sodium

FIGURE 4-40

HISTOGRAMS OF CONCENTRATIONS OF ALUMINUM, CALCIUM, IRON, MAGNESIUM, POTASSIUM, AND SODIUM IN IN-STREAM SEDIMENT SAMPLES, HAYDEN, ARIZONA

ASARCO, LLC Hayden Plant Site
Hayden, Arizona

The data on this figure are derived from table 4-14.

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