



To:Bridget Bero, Ph.D, P.E., Grading InstructorFrom:AZ Magma Mine Capstone Team;
David Finley, Josue Juarez, and Jessica SzaroDate:1/26/2017Re:Technical Advising Meeting #1

Торіс	Notes
Drying and sieving	 Consider mouth cover or aeration mask Drying up to 13 samples at a time (6 ceramic, 7 tin bowls) Bottom tin, 60, 35, 20, 14, 4, top cover), 10 minutes Talk to Gary re: waste buckets Get 6 or 7 waste buckets Lined with trash bags Decontaminate mortar and pestle between every sample Use log sheet to track drying, sieving, XRF, and digestion/AA

Action Item	Notes & Responsibility	Due Date
Dry samples	Come in at any time after 1pm, update team via text (All of team)	Ongoing





To:Bridget Bero, Ph.D, P.E., Grading InstructorFrom:AZ Magma Mine Capstone Team;
David Finley, Josue Juarez, and Jessica SzaroDate:2/9/2017Re:Technical Advising Meeting #2

Торіс	Notes
XRF info	 Password: 1234 System check before every session Use cabinet doors for x-ray protection Sample type Above 5000 ppm for lead → mining
Data logging	- Sample naming: M17-1, M17-2 M17-9
Acid Digestion	 Taylor will let us know when they're doing acid digestion, when they finish

Action Item	Notes & Responsibility	Due Date
XRF samples	Order: - 1st Jessica: finish 25 samples by 2/11 - 2nd Josue: finish 25 samples by 2/17 - 3rd David: finish 24 samples by 2/19	2/19





To:Bridget Bero, Ph.D, P.E., Grading InstructorFrom:AZ Magma Mine Capstone Team;
David Finley, Josue Juarez, and Jessica SzaroDate:3/30/2017Re:Technical Advising Meeting #3

Торіс	Notes
Eco Risk Assessment	 Find out what is the normal animals in that area Plants Cactus, graph Routes of adsorption Eating it Tolerance levels for animals and plants
Recreational Scenarios	 Should we do two types of recreational? Camping and 4-wheeling
XRF Correction	 We don't need to necessarily "correct" our data, just state our correlation If R is over 0.9, then no correction needed

Action Item	Notes & Responsibility	Due Date
N/A		





To:Bridget Bero, Ph.D, P.E., Grading InstructorFrom:AZ Magma Mine Capstone Team;
David Finley, Josue Juarez, and Jessica SzaroDate:4/13/2017Re:Technical Advising Meeting #4

Торіс	Notes
Correlation	 Mislabeling error? Finding the reliability of the XRF See what Bero wants us to do for adjusting our values
GIS	 Do a gradient for the concentrations (green - yellow - orange - red) Play around with bins to see what color gradient will look best Adjust values on GIS for As
Ecological Risk Assessment	 Look around on google for reference dose for different species
Human Health Risk Assessment	 Hazard index for Mn = 510 too high?
PA/SI	 Conclusion - The levels of the contaminants were above the the remediation standards so further analysis should be done Appendices - Keep the work plan as its own document - can keep table of contents and page numbers
TA Eval	Contact Taylor with when Dr. Bero wants the TA team eval

Action Item	Notes & Responsibility	Due Date
Adjust GIS map bins	Adjust colors and bin ranges for GIS maps (Jessica)	4/16