

SUS-220: Mineral Resources and Sustainable Development

Course Project – Stage 4: Final Report

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Aim: To apply your knowledge and research skills developed during the course to consider which of your groups proposed mine sites you recommend should be taken forwards for mine construction.

Objective: To critically evaluate the characteristics and impacts of each mine site.

Outcome: To improve critical thinking, evaluation and writing skills.

Time required: The assignment will have one dedicated lab session, three dedicated class sessions and will require additional hours outside these times to be completed.

Assignment: Your project work so far has focused on your individual prospect mine site. You considered geologic, environmental and social factors in Stage 2; with mine design, processing and responsible mining in Stage 3.

EDITING: Your first task is to combine your work from Stages 2 and 3 into a single report, using the headings you were given for each. A template will be provided on Moodle. To combine your previous work, you should focus on:

- Cover page with submission date, the title and your name.
- Updated content list
- **NEW:** Writing an abstract to reflect your full report.
- Addressing feedback given on previous drafts.
- Ensuring your figure numbers, table numbers and citations are correct.
- Ensuring your reference lists have been correctly merged.

NEW: You are also required to include an additional section about which of your groups deposits you would recommend taking forward to the mine construction phase. This should include:

- A list of the studied deposits from your group, with the names of the prospects and their locations.
- Which deposit you recommend should be taken forward for mining.
- The reasons for your recommendation, which may include geologic, environmental, social and sustainable development factors.
 - This decision does not have to be unanimous amongst your group. You may choose your prospect, or another authors.

Submission: The assignment should be uploaded through Moodle. For any problems / issues with submission you must contact me before the deadline.

Course Project, Stage 4: Final Report and Recommendation – Grading Rubric

Student name:

Marks Category	Missing [0]	Serious Problems [1]	[2]	[3]	Excellent Work [4]	Score
Coversheet	None.	1/3 of title, student name, date.	2/3 of title, student name, date.	3/3 of title, student name, date.		/3
Report Formatting	None.	Does not follow template.	Includes template guidance text.	Correctly formatted, but incorrect contents, figure and table lists.	Correctly formatted - Font: Times New Roman, 12 pt. - Spacing: 1.5 lines - Headings: bold - Captions: Times New Roman, 10 pt., centred	/8
Abstract	Limited sentence.	Partial summary of the report, considerably below the word count.	Partial summary of the report, easy to understand by a non-scientific reader.	Full summary of report not a form that is easy to understand by a non-scientific reader.	Full summary of report in 150-250 words that is easy to understand by a non-scientific reader.	/12
Stage 2 Feedback	Not addressed.	Minimal Changes.	Partially addressed individual feedback provided.	Mostly addressed individual feedback provided.	Fully addressed individual feedback provided.	/16
Stage 3 Feedback	Not addressed.	Minimal Changes.	Partially addressed individual feedback provided.	Mostly addressed individual feedback provided.	Fully addressed individual feedback provided.	/16
Recommendation of Site Introduction	None.	Limited.	Brief (few lines) introduction to the section.			/2
Potential Mine Sites	None.	Does not match prospects from assigned ore deposit group.	Partial list of prospects from assigned ore deposit group.	Complete list of prospects from assigned ore deposit group with deposit names OR locations.	Complete list of prospects from assigned ore deposit group with deposit names AND locations.	/4

	Missing [0]	Serious Problems [1]	[2]	[3]	Excellent Work [4]	
Mine Recommendation	None.	Unclear recommendation of which prospect should be taken forward to construction.	Clear recommendation of which prospect should be taken forward to construction.			/2
Recommendation Reasons	Very limited evaluation.	Limited evaluation of factors, supported by some detail.	Limited evaluation of factors, supported by some detail, use of few references.	Evaluation of factors, logically supported by extensive detail, good use of references.	Evaluation of complex, multi-level issues, logically supported by extensive detail, good use of references.	/16
Writing	Bullet point list AND poor spelling AND poor grammar.	Bullet point list AND good spelling AND grammar.	Paragraphs AND poor spelling AND poor grammar.	Paragraphs AND poor spelling OR grammar.	Paragraphs AND good spelling AND grammar.	/8
Use of Figures & Tables	None.	Figures: NOT referred to in text NOR appropriately captioned and referenced. Tables: inappropriate representation of data.	Figures: NOT referred to in text OR appropriately captioned and referenced. Tables (as needed) with appropriate data NOT referred to in text nor appropriately captioned and referenced.	Figures: good quality with scale(s), referred to in text, appropriately captioned and referenced. Tables (as needed) with appropriate data AND referred to in text OR appropriately captioned and referenced.	Multiple figures of good quality with scales (as needed), referred to in text, appropriately captioned and referenced. Appropriate tables (as needed) referred to in text and appropriately captioned and referenced Improve understanding of points.	/20
References	List, no in-text citations.	List with some attempt at GSA formatting or missing in-text citations.	List with some attempt at GSA formatting with in-text citations.	List with correct attempt at GSA formatting, not correlated to in-text citations.	List with correct GSA formatting, matching in-text citations.	/16
Total						/123
						%