

**ASSOCIATION OF CANADA LANDS SURVEYORS
BOARD OF EXAMINERS**

**SCHEDULE III / ITEM 1
ACTS AND REGULATIONS RELATING TO SURVEYS OF CANADA LANDS**

October 2008

Notice to Candidates:

This examination is based on the e-Edition of the Manual of Instructions for the Survey of Canada Lands.

This examination consists of 9 questions on 3 pages.

Q. No	Time: 3 hours	Marks	
		Value	Earned
1	<p>You are a Canada Lands Surveyor in private practice and are engaged by a client to provide expert evidence in a civil action in the Supreme Court of Yukon. An official plan for Lot 212, Group 853, Yukon Territory has been admitted as an Exhibit and your testimony is being led by counsel who questions you with respect to former lots and official plans which are consolidated and resurveyed as Lot 212.</p> <p>The presiding judge has always had a personal curiosity about old plans and maps and takes advantage of a short pause in questioning to ask you to explain some notations in the body of the combined plan and field notes of Lot 212.</p> <p>Formulate your responses to the following specific annotations you are queried about:</p> <p>a. Fd. P.oblit., Tr. Pit. M. Fd. 3 BTs 6" Spr 65° "12.5 Lk." 8.1', 10" Spr 186° "15.2 Lk" 9.9', 9" Bal 301° "19.2 Lk" 12.4' Res CLS 69 from Fd. P. hole and Tr. Pit. M.; Res. Pit. M. Pl. Mkr. 1.0' NE</p> <p>b. OHWM</p> <p>c. 1,219.65 cc</p> <p>d. 37.2 A</p> <p>e. Fd. Wt. I "L212, L96, R"</p>	6	
2	<p>With respect to the survey and plan referred to in Question 1:</p> <p>a. What was the unit of measure in the survey of the original lots resurveyed by Lot 212?</p> <p>b. What was the unit of measure in the survey of Lot 212?</p> <p>c. If you were to be issued instructions to make a resurvey and consolidation of Lot 212 and an adjoining lot today, provide a typical parcel designation you would be provided with.</p> <p>d. If Lot 212 and the adjoining lot are Yukon Crown lands, under what authority is the resurvey and consolidation survey referred to in c. above made?</p> <p>e. If Lot 212 and the adjoining lot are under certificate of title to the same private owner, under what authority is the resurvey and consolidation referred to in c. above made?</p>	2 2 2 2 2	

3	<p>a. What is a compiled plan?</p> <p>b. Under whose authority is a compiled plan prepared?</p> <p>c. Who may prepare a compiled plan?</p> <p>d. For what purpose can an explanatory plan <u>not</u> be used?</p>	2 2 2 2	
4	<p>a. In the survey of a single lone quartz mining claim located pursuant to the Quartz Mining Act, how many legal posts should be found on the ground?</p> <p>b. In what geopolitical jurisdiction in Canada is this claim situated?</p> <p>c. How many CLS 77 monuments will a Canada Lands Surveyor making a legal survey of this claim require if he determines that the length of the location line is 1,710.25 feet?</p> <p>d. What will be the area of the claim he is making the survey of?</p> <p>e. Describe what the Canada Lands Surveyor should do if he discovers from old tagged legal posts accidentally found that part of the "lone" claim is covered by a prior <i>Quartz Mining Act</i> claim in good standing, which has been plotted in error by its locator some five miles distant, causing a corresponding plotting error on the status maps maintained by the mining recorder?</p> <p>f. What surface rights are holders of standard <i>Quartz Mining Act</i> mineral claims, by entry or by lease, on vacant territorial lands entitled to?</p>	2 2 2 2 4 3	
5	<p>a. What is the relationship of the <i>Territorial Lands (Yukon) Act</i> to the <i>Territorial Lands Act</i>?</p> <p>b. What reversionary interest is reserved to the Crown when a parcel of land in excess of 10 acres granted pursuant to the <i>Territorial Lands Act</i> is subdivided wholly or in part into townsite lots?</p> <p>c. Early surveys of territorial lands fronting navigable waters utilized the natural boundary as the parcel boundary and grants of lands were made subject to the statutory 100 foot waterfront reservation to the Crown. In more recent surveys, survey instructions direct the Canada Lands Surveyor to establish the waterside boundary by a series of monumented straight lines approximately parallel to and at least 100 feet perpendicularly distant from the natural boundary.</p> <p>i. Draw a simple appropriately labeled sketch of a typical parcel created in each of these regimes and use a coloured line to indicate where the "red wash" or "heavy line" would be defining the lands included in each survey.</p> <p>ii. What are the merits and disadvantages for the landowner in each of these approaches?</p>	3 3 6 6	
6	<p>a. Draw a neatly labeled sketch showing a typical meandering placer mining creek for which a baseline has been established by official survey.</p> <p>b. Discovery claims on the creek were granted during the gold rush and have long since lapsed. Show and dimension on your sketch a group of 5 contiguous creek claims whose total length along the baseline totals 2,400.0 feet, with none of the claims exceeding the allowable length measured along the baseline.</p> <p>c. Show and dimension on your sketch a Tier 2 Right Limit bench claim of maximum size in the vicinity of the creek claims.</p> <p>d. The <i>Placer Mining Act</i> contains a provision for the extension of the boundaries of a claim. Identify on your sketch those creek claims which might be eligible for extension and state the maximum length that those claims may be expanded to.</p>	3 5 4 2	

	e. How many placer mining claims may be grouped together for the performance of work by their owner or owners?	2	
7	What major effect did the implementation of the <i>Canada Lands Surveyors Act</i> have on the <i>Canada Lands Surveys Act</i> ?	2	
8	How many units are there in Grid Area 75°10', 85°30' as prescribed in the Canada Oil and Gas Land Regulations?	4	
9	Give the full title of the official or the full name of the entity having the following responsibilities: a. the administration, management and control of National Parks. b. granting of permission to move a legal post for a mineral claim located pursuant to the Canada Mining Regulations. c. cancellation in whole or in part or amendments or alterations of a plan of survey filed or registered in the Yukon Land Titles Office. d. allotment of land in a reserve to an Indian. e. amending the height of land natural boundary between the Yukon and Northwest Territories. f. authorization of survey of reserves pursuant to the <i>Indian Act</i> .	2 2 2 2 2 2	
	Total Marks:	100	