

# Hatfield-1207: Identify claypan surfaces to be avoided

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## Challenge

<b>Challenge ID:</b>	HCP-1207	Originator:	Onshore: Hatfield
<b>Title:</b>	<b>Identify claypan surfaces to be avoided.</b>		
Theme:	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability		
Consortium Lead:	RPS Group	Interviewed Company:	RPS Group
Geography:	ON.REG.00 - Generic onshore		
<b>Challenge Description</b>			
What is not possible / not adequately addressed at present?			
Claypan could be a travel hazard as vehicle may slide or get stuck when wet.			
What effect does this challenge have on operations?			
Areas of claypan could affect how equipment and personnel are moved around the work area and also the choice of survey equipment utilised.			
Thematic information requirements:	Ortho base images Terrain information Topographic information Lithology, structural geology, surficial geology		
What do you currently do to address this challenge? How is this challenge conventionally addressed?			
Optical satellite imagery, Surficial geology maps			
What kind of solutions do you envisage could address this challenge?			
Accurate identification of claypan from optical satellite images.			
What is your view on the capability of technology to meet this need? Are you currently using EO tech? If not, why not?			
None.			
<b>Challenge Classification</b>			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	2	Climate class:	Generic climate
Exploration:	3	Topographic class:	Not specific
Development:	2	Seasonal variations:	Any season
Production:	2	Impact area:	Health and Safety, Cost reduction
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)
<b>Challenge Information Requirements</b>			
Update frequency:	Snapshot		
Data currently used:	High resolution imagery		
Spatial resolution:	Basin		
Thematic accuracy:	Not specific		
Required formats:	Not Specific		
Timeliness (Vintage):	Reference data		

Geographic extents:	Basin
Existing standards:	None

## Relevant products

## Content by label

There is no content with the specified labels

