## Hatfield-4109: Understand temporal and spatial extent of usable fish habitat to maintain acceptable levels

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Understand temporal and spatial extent of usable fish habitat to maintain

Onshore: Hatfield

Originator:

## Challenge

Challenge

ID:

HCP-4109

Title:	acceptable levels.					
Theme:	ON 4.1: Environmental monitoring - Baseline historic mapping of environment and ecosystems					
Consortium Lead:	Hatfield		Interviewed Company:	Hatfield		
Geography:	ON.REG.03					
Challenge Description						
What is not possible / not adequately addressed at present?						
Regulatory requir instream flow nee					napping and modelling to determine	
What effect does this challenge have on operations?						
Need to manage e habitats.	environmenta	l and social ri	sks related to dev	elopment. Re	duce development impact on aquatic	
Thematic information requirements:  Distribution Water qua			on of habitat and biodiversity ntity			
What do you currently do to address this challenge?						
How is this challenge conventionally addressed?						
Stream and river data.	discharge mo	nitoring. Mod	delling of fish hab	itat and instre	am flow needs based on available	
What kind of solutions do you envisage could address this challenge?						
Extensive hydron	netric monitor	ring and mode	elling.			
What is your view on the capability of technology to meet this need? Are you currently using EO tech? If not, why not?						
Spatial information on river morphology from EO to support modelling.						
Challenge Classification						
Impact on Lifecycle (0=none, 4=high):			Climate / Topography / Urgency:			
Pre-license:		1	Climate class:	Ge	eneric climate	
Exploration:		1	Topographic cl	ass: No	ot specific	
Development:		2	Seasonal variat	ions: W	armer weather focus	
Production:		3	Impact area:	En	vironmental	
Decommissionii	ng:	0	Technology urg	gency: 2 -	Short term (2-5 years)	
Challenge Information Requirements						
Update frequency: Annually						
Data currently used: ** not sure h		ow this is accomplished				
Spatial resolution: Regional						

Thematic accuracy:	Not specific			
Required formats:	Not Specific			
Timeliness (Vintage):	Within six months			
Geographic extents:	License			
Existing standards:	http://www.ipieca.org/publication/managing-biodiversity-papua-new-guinea-lng-case-study			

## Relevant products

## Content by label

There is no content with the specified labels