

2011 IRISH ATLANTIC MARGIN LICENSING ROUND (Closing for Applications 31 May 2011)

NORTH ATLANTIC PLAYS

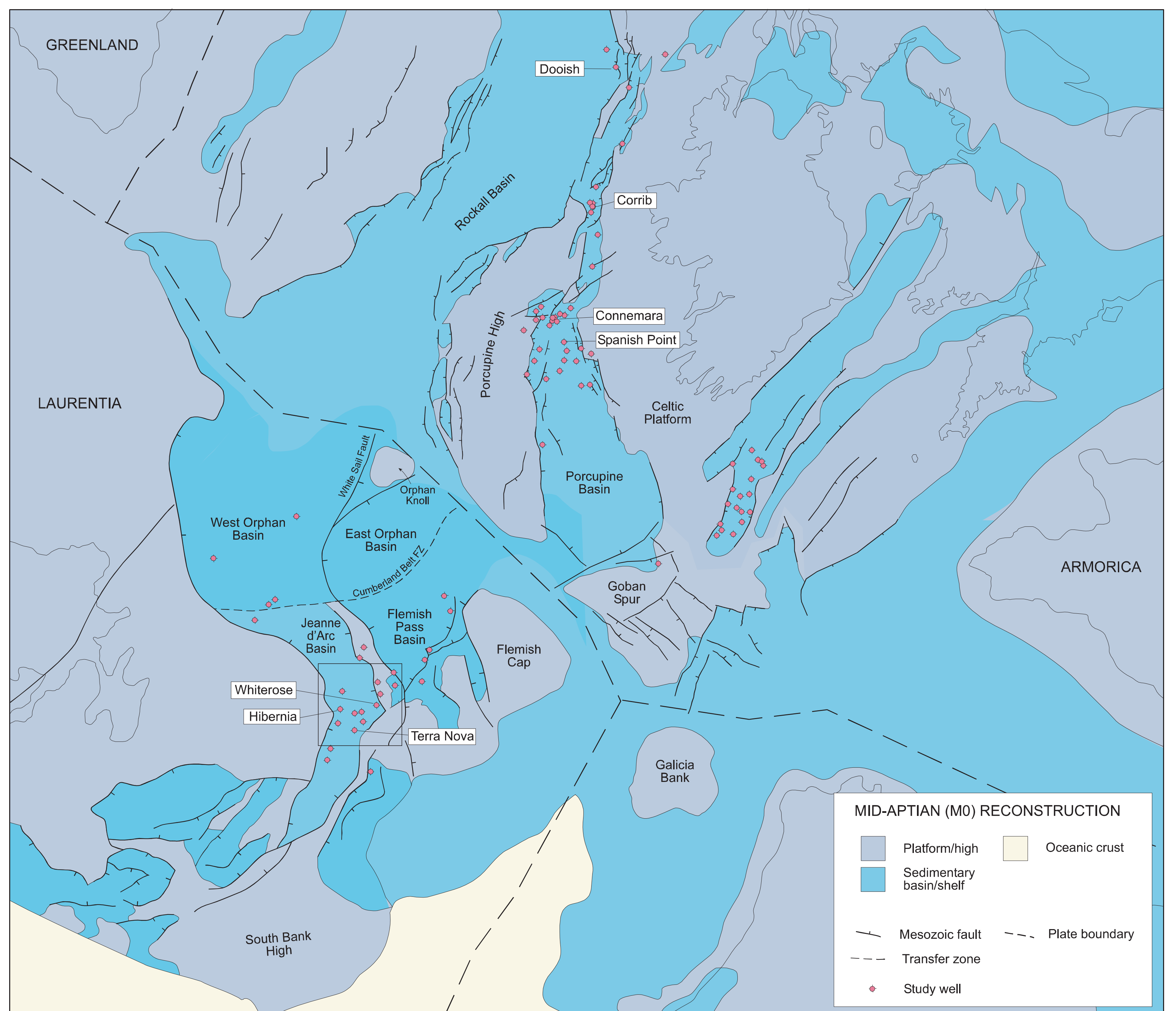
Stratigraphy	Tectonic Episode	ATLANTIC IRELAND PLAYS	OFFSHORE EASTERN CANADA PLAYS	Regional Source Rock		
EOCENE	PASSIVE SUBSIDENCE	Base Oligocene u/c				
		PRIABONIAN				
		BARTONIAN				
		LUTETIAN				
PALAEOCENE	THERMAL UPLIFT	PALAEOCENE BASINAL PLAY				
		35/18-1				
		35/19-1				
UPPER CRETACEOUS	PASSIVE SUBSIDENCE	Base Tertiary u/c				
		MAASTRICHTIAN				
		CAMPANIAN				
		SANTONIAN				
		CONIACIAN				
		TURONIAN				
		CENOMANIAN	Intra-Cenomanian u/c			
		ALBIAN	SYN-RIFT	APTO-ALBIAN SHELF GREENSAND PLAY	BEN NEVIS & EIDER SSTs	
		APTIAN	SYN-RIFT	Intra-Aptian u/c		
		BARREMIAN	SYN-RIFT	LOWER CRETACEOUS SHELF & DEEP-WATER PLAYS	AVALON SST	
LOWER CRETACEOUS	SYN-RIFT		CATALINA SST			
		HAUTERIVIAN				
		VALANGINIAN				
BERRIASIAN	SYN-RIFT	Base Cretaceous u/c				
TITHONIAN	SYN-RIFT	UPPER JURASSIC DEEP-WATER PLAY	HIBERNIA SST	Kimmeridge Clay		
KIMMERIDGIAN	SYN-RIFT	Intra-Kimmeridgian u/c	JEANNE D'ARC SST			
UPPER JURASSIC	PASSIVE SUBSIDENCE	UPPER JURASSIC SHELF PLAY		Egret		
		Intra-Oxfordian u/c				
OXFORDIAN	OXFORDIAN	MIDDLE-UPPER JURASSIC DELTAIC PLAY	VOYAGER SST			
CALLOVIAN	OXFORDIAN	Intra-Bajocian u/c		Baj-Bath Lacustrine		
BATHONIAN	OXFORDIAN					
BAJOCIAN	OXFORDIAN					
AALENIAN	OXFORDIAN					
LOWER JURASSIC	SYN-RIFT			Toarcian		
		TOARCIAN				
		PLIENSCHACHIAN		Sinem-Pliens		
SINEMURIAN	SYN-RIFT					
HETTANGIAN	SYN-RIFT					
RHAETIAN	SYN-RIFT	Near Base Jurassic u/c				
UPPER TRIASSIC	PASSIVE SUBSIDENCE					
		NORIAN				
		CARNIAN				
MIDDLE TRIASSIC	PASSIVE SUBSIDENCE					
		LADINIAN				
		ANISIAN				
SCYTHIAN	SYN-RIFT					

DATA & INFORMATION

The Petroleum Systems Digital Atlas (PAD/DCENR Special Publication 3/06) authored by Ternan is the most relevant regional prospectivity assessment for this area. Details of this and other special publications are available on www.pad.ie.

Several research studies in the area have been sponsored by PIP (Petroleum Infrastructure Programme). Details are on www.pip.ie.

NORTH ATLANTIC PLATE RECONSTRUCTION



Ongoing research into plate reconstruction of the North Atlantic shows a juxtaposition of the Rockall and Porcupine basins with the Orphan and Flemish Pass basins offshore Newfoundland. This gives fresh insights into the distribution of exploration plays, including depositional environments and reservoir prediction, between Atlantic Ireland and the more mature petroleum provinces of eastern Canada.

