Original model that is the basis of the MARRMoT implementation	Model ID	Snow store	Interception store	Surface depression store	Soil moisture store	= deficit store	Groundwater store	Routing store	Routing function	Channel store	Number of parameters
1 store											
Traditional bucket model	01										1
Wetland, FLEX-Topo	02										4
Unnamed	03										4
Unnamed	04										6
IHACRES	05										7
2 stores											
Unnamed	06										4
GR4J	07										4
Unnamed	08										5
Unnamed	09										6
Unnamed	10										6
Unnamed	11										6
Unnamed	12										6
Hillslope, FLEX-Topo	13										7
TOPMODEL	14										7
Plateau, FLEX-Topo	15										8
Unnamed	16										8
3 stores											
Penman drying curve	17										4
SIMHYD	18										7
Unnamed	19										8
GSFB	20										8
FLEX-B	21										9
VIC	22										10
LASCAM	23										24
4 stores											
Unnamed	24										5
TCM	25										6
FLEX-I	26										10
TANK model	27										12
XINANJIANG	28										12
5 stores											
HyMOD	29										5
Unnamed	30										7
Unnamed	31										8
Unnamed	32										10
SACRAMENTO	33										11
FLEX-IS	34										12
Unnamed	35										12
MODHYDROLOG	36										15
HBV-96	37										15
TANK model - SMA	38										16
MCRM	39										16
6 stores											
SMAR	40										8
NAM	41										10
HYCYMODEL	42										12
GSM-SOCONT	43										12
ECHO	44										16
7											
PRMS	45										18
8											
CLASSIC	46										12