CONTENTS

			Page
LIST (OF FIGURE	S	xiii
LIST (OF TABLES		xix
FORE	WORD		xxi
PREF/	ACE		xxiii
		GLISH, FRENCH, RUSSIAN AND SPANISH)	
		FRODUCTION	
1.1		VE OF PMP ESTIMATES	
1.2	,	IONS OF PMP AND PMF	
	1.2.1	Definition of PMP	
	1.2.1	Definition of PMF	
1.3		mbination of hydrology and meteorology	
1.4	PMP/PMF ESTIMATION		
	1.4.1	Basic knowledge	
	1.4.2	Approaches to and methods of PMP estimation	
		1.4.2.1 Approaches	
		1.4.2.2 Methods	
	1.4.3	Main steps for storm and watershed approaches	
		1.4.3.1 Approach based on storm area	
		1.4.3.2 Approach based on watershed area	
1.5	STORM	AND FLOOD DATA	
1.6		ACY OF PMP/PMF ESTIMATION	
1.7	THE MANUAL		
	1.7.1	Objective	
	1.7.2	Scope	
	1.7.3	Application of examples	
	1.7.4	Application of computer technologies	
1.8	PMP AN	D CLIMATE CHANGE	
СНАР	TER 2. EST	FIMATES FOR MID-LATITUDE NON-OROGRAPHIC REGIONS	9
2.1	INTROD	UCTION	9
	2.1.1	Summary	
	2.1.2	Convergence model	9
	2.1.3	Observed storm rainfall as an indicator of convergence and vertical motion	9
2.2	ESTIMAT	FION OF ATMOSPHERIC MOISTURE	
	2.2.1	Assumption of a saturated pseudo-adiabatic atmosphere	
	2.2.2	Surface dewpoints as a moisture index	
	2.2.3	Persisting 12-hour dewpoints	
	2.2.4	Representative persisting 12-hour 1 000-hPa storm dewpoints	
	2.2.5	Maximum persisting 12-hour 1 000-hPa dewpoints	
	2.2.6	Precipitable water	
_	2.2.7	Determination of duration of maximum persisting dewpoint	
2.3		RE MAXIMIZATION	
	2.3.1	Seasonal limitations	
	2.3.2	Depth of precipitable water	
	2.3.3	Applicability of persisting 12-hour dewpoints for all storm durations	
	234	Maximization of storm in place	15