LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (10)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 81- 1	A	16.3	B- 82- 1	A	16.5	B- 83- 1	A	16.8
B- 81- 2	A	16.4	B- 82- 2	A	16.6	B- 83- 2	D	16.9
B- 81- 3	A	16.6	B- 82- 3	A	16.7	B- 83- 3	A	17.0
B- 81- 4	D	16.7	B- 82- 4	A	16.9	B- 83- 4	A	17.1
B- 81- 5	D	16.8	B- 82- 5	D	16.9	B- 83- 5	D	17.2
B- 81- 6	A	16.9	B- 82- 6	D	17.1	B- 83- 6	D	17.3
B- 81- 7	A	17.0	B- 82- 7	D	17.1	B- 83- 7	D	17.3
B- 81- 8	A	17.1	B- 82- 8	A	17.2	B- 83- 8	D	17.4
B- 81- 9	D	17.1	B- 82- 9	D	17.2	B- 83- 9	A	17.4
B- 81-10	A	17.2	B- 82-10	A	17.3	B- 83-10	D	17.4
B- 81-11	A	17.2	B- 82-11	A	17.3	B- 83-11	A	17.4
B- 81-12	A	17.2	B- 82-12	A	17.3	B- 83-12	D	17.4
B- 81-13	A	17.2	B- 82-13	A	17.3	B- 83-13	A	17.4
B- 81-14	A	17.2	B- 82-14	A	17.3	B- 83-14	A	17.4
B- 81-15	A	17.2	B- 82-15	A	17.3	B- 83-15	A	17.4
B- 81-16	D	17.2	B- 82-16	A	17.3			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 84- 1	A	16.9	B- 85- 1	A	17.1	B- 86- 1	A	17.3
B- 84- 2	D	17.0	B- 85- 2	D	17.2	B- 86- 2	D	17.3
B- 84- 3	A	17.1	B- 85- 3	A	17.3	B- 86- 3	A	17.4
B- 84- 4	D	17.2	B- 85- 4	A	17.3	B- 86- 4	A	17.5
B- 84- 5	D	17.3	B- 85- 5	D	17.5	B- 86- 5	D	17.6
B- 84- 6	A	17.4	B- 85- 6	D	17.5	B- 86- 6	D	17.6
B- 84- 7	A	17.4	B- 85- 7	A	17.5	B- 86- 7	A	17.7
B- 84- 8	A	17.5	B- 85- 8	D	17.6	B- 86- 8	D	17.7
B- 84- 9	A	17.5	B- 85- 9	A	17.6	B- 86- 9	A	17.7
B- 84-10	A	17.6	B- 85-10	A	17.7	B- 86-10	A	17.8
B- 84-11	A	17.6	B- 85-11	A	17.7	B- 86-11	A	17.8
B- 84-12	A	17.6	B- 85-12	A	17.7	B- 86-12	A	17.8
B- 84-13	D	17.6	B- 85-13	A	17.7	B- 86-13	D	17.8
B- 84-14	A	17.5	B- 85-14	A	17.7	B- 86-14	A	17.8
B- 84-15	A	17.5	B- 85-15	A	17.7	B- 86-15	A	17.8
B- 84-16	A	17.7	B- 85-16	A	17.9	B- 86-16	A	18.1
						B- 86-17	D	18.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 87- 1	A	17.5	B- 88- 1	D	17.7	B- 89- 1	A	17.8
B- 87- 2	D	17.5	B- 88- 2	A	17.7	B- 89- 2	D	17.9
B- 87- 3	A	17.6	B- 88- 3	A	17.8	B- 89- 3	D	17.9
B- 87- 4	A	17.6	B- 88- 4	D	17.8	B- 89- 4	D	18.0
B- 87- 5	D	17.7	B- 88- 5	D	17.9	B- 89- 5	D	18.0
B- 87- 6	D	17.8	B- 88- 6	A	17.9	B- 89- 6	D	18.0
B- 87- 7	D	17.8	B- 88- 7	A	17.9	B- 89- 7	A	18.1
B- 87- 8	D	17.8	B- 88- 8	A	18.0	B- 89- 8	A	18.1
B- 87- 9	A	17.9	B- 88- 9	D	18.0	B- 89- 9	A	18.1
B- 87-10	A	17.9	B- 88-10	A	18.0	B- 89-10	A	18.1
B- 87-11	A	17.9	B- 88-11	A	18.0	B- 89-11	A	18.1
B- 87-12	A	17.9	B- 88-12	D	18.0	B- 89-12	D	18.1
B- 87-13	D	17.9	B- 88-13	A	18.0	B- 89-13	A	18.1
B- 87-14	D	17.9	B- 88-14	A	18.0	B- 89-14	A	18.1
B- 87-15	A	17.9	B- 88-15	A	18.6	B- 89-15	A	18.8
B- 87-16	A	17.9	B- 88-16	A	19.0	B- 89-16	A	19.0
B- 87-17	D	18.3	B- 88-17	D	19.0	B- 89-17	A	19.2
						B- 89-18	D	19.2

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (11)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 90- 1	D	18.0	B- 91- 1	D	18.1	B- 92- 1	D	18.3
B- 90- 2	D	18.0	B- 91- 2	D	18.1	B- 92- 2	D	18.3
B- 90- 3	D	18.0	B- 91- 3	D	18.2	B- 92- 3	B	18.4
B- 90- 4	D	18.1	B- 91- 4	D	18.2	B- 92- 4	D	18.4
B- 90- 5	A	18.1	B- 91- 5	D	18.3	B- 92- 5	A	18.4
B- 90- 6	D	18.2	B- 91- 6	A	18.3	B- 92- 6	A	18.4
B- 90- 7	D	18.2	B- 91- 7	A	18.3	B- 92- 7	A	18.4
B- 90- 8	A	18.2	B- 91- 8	A	18.3	B- 92- 8	A	18.4
B- 90- 9	A	18.2	B- 91- 9	A	18.3	B- 92- 9	A	18.4
B- 90-10	A	18.2	B- 91-10	A	18.3	B- 92-10	D	18.4
B- 90-11	A	18.2	B- 91-11	D	18.3	B- 92-11	D	18.4
B- 90-12	D	18.2	B- 91-12	D	18.3	B- 92-12	A	18.4
B- 90-13	A	18.2	B- 91-13	D	18.3	B- 92-13	A	18.4
B- 90-14	A	18.2	B- 91-14	A	18.3	B- 92-14	A	19.0
B- 90-15	A	19.0	B- 91-15	A	19.0	B- 92-15	A	19.2
B- 90-16	A	19.0	B- 91-16	A	19.1	B- 92-16	A	19.8
B- 90-17	A	19.4	B- 91-17	A	19.6	B- 92-17	A	19.8
B- 90-18	A	19.4	B- 91-18	A	19.6			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 93- 1	D	18.4	B- 94- 1	A	18.6	B- 95- 1	A	18.7
B- 93- 2	B	18.4	B- 94- 2	B	18.6	B- 95- 2	B	18.7
B- 93- 3	B	18.5	B- 94- 3	B	18.6	B- 95- 3	B	18.7
B- 93- 4	B	18.5	B- 94- 4	A	18.6	B- 95- 4	A	18.8
B- 93- 5	D	18.5	B- 94- 5	D	18.6	B- 95- 5	D	18.8
B- 93- 6	A	18.5	B- 94- 6	A	18.6	B- 95- 6	D	18.8
B- 93- 7	A	18.5	B- 94- 7	A	18.7	B- 95- 7	A	18.8
B- 93- 8	A	18.6	B- 94- 8	A	18.7	B- 95- 8	A	18.8
B- 93- 9	A	18.6	B- 94- 9	A	18.7	B- 95- 9	D	18.8
B- 93-10	A	18.6	B- 94-10	A	18.7	B- 95-10	A	18.8
B- 93-11	D	18.6	B- 94-11	A	18.7	B- 95-11	D	18.8
B- 93-12	D	18.6	B- 94-12	D	18.7	B- 95-12	D	18.8
B- 93-13	A	18.6	B- 94-13	A	18.7	B- 95-13	D	18.8
B- 93-14	A	19.0	B- 94-14	A	19.0	B- 95-14	A	19.0
B- 93-15	A	19.3	B- 94-15	A	19.4	B- 95-15	A	19.5
B- 93-16	D	20.0	B- 94-16	A	20.0	B- 95-16	A	20.0
B- 93-17	A	20.0	B- 94-17	A	20.1	B- 95-17	A	20.1
						B- 95-18	A	20.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 96- 1	B	18.9	B- 97- 1	A	19.0	B- 98- 1	A	20.0
B- 96- 2	B	18.9	B- 97- 2	A	19.0	B- 98- 2	A	19.8
B- 96- 3	A	18.9	B- 97- 3	D	19.0	B- 98- 3	A	19.6
B- 96- 4	D	18.9	B- 97- 4	D	19.0	B- 98- 4	A	19.3
B- 96- 5	B	18.9	B- 97- 5	A	19.0	B- 98- 5	D	19.3
B- 96- 6	D	18.9	B- 97- 6	A	19.0	B- 98- 6	A	19.2
B- 96- 7	A	18.9	B- 97- 7	A	19.0	B- 98- 7	D	19.2
B- 96- 8	A	18.9	B- 97- 8	A	19.0	B- 98- 8	D	19.1
B- 96- 9	A	18.9	B- 97- 9	D	19.0			
B- 96-10	A	18.9	B- 97-10	D	19.0			
B- 96-11	A	18.9	B- 97-11	A	19.0			
B- 96-12	A	18.9	B- 97-12	A	19.0			
B- 96-13	A	18.9	B- 97-13	A	19.0			
B- 96-14	A	19.0	B- 97-14	A	19.0			
B- 96-15	A	19.5	B- 97-15	A	19.6			
B- 96-16	A	20.0	B- 97-16	D	20.0			
B- 96-17	A	20.2	B- 97-17	A	20.3			
B- 96-18	A	20.2	B- 97-18	A	20.3			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (12)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 99- 1	A	20.0	B-100- 1	A	20.2	B-101- 1	A	20.4
B- 99- 2	A	20.0	B-100- 2	A	20.0	B-101- 2	A	20.0
B- 99- 3	A	19.7	B-100- 3	A	19.9	B-101- 3	A	20.0
B- 99- 4	A	19.4	B-100- 4	D	19.5	B-101- 4	A	19.6
B- 99- 5	D	19.4	B-100- 5	A	19.5	B-101- 5	A	19.6
B- 99- 6	A	19.3	B-100- 6	A	19.4	B-101- 6	D	19.6
B- 99- 7	D	19.3	B-100- 7	D	19.4	B-101- 7	D	19.6
B- 99- 8	D	19.3	B-100- 8	D	19.4	B-101- 8	A	19.5
B- 99- 9	A	19.1	B-100- 9	A	19.3	B-101- 9	A	19.4
B- 99-10	D	19.1	B-100-10	A	19.3	B-101-10	A	19.4
			B-100-11	A	19.2	B-101-11	A	19.3
			B-100-12	A	19.2	B-101-12	A	19.3
						B-101-13	D	19.2
						B-101-14	D	19.2

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-102- 1	D	20.7	B-103- 1	A	20.9	B-104- 1	B	21.1
B-102- 2	D	20.2	B-103- 2	D	20.5	B-104- 2	A	21.7
B-102- 3	A	20.0	B-103- 3	A	20.0	B-104- 3	A	20.0
B-102- 4	A	19.7	B-103- 4	A	19.8	B-104- 4	B	19.9
B-102- 5	A	19.7	B-103- 5	A	19.8	B-104- 5	A	19.9
B-102- 6	D	19.7	B-103- 6	D	19.8	B-104- 6	D	19.9
B-102- 7	D	19.7	B-103- 7	D	19.8	B-104- 7	D	19.9
B-102- 8	A	19.6	B-103- 8	A	19.8	B-104- 8	A	19.9
B-102- 9	A	19.6	B-103- 9	D	19.7	B-104- 9	D	19.9
B-102-10	A	19.6	B-103-10	A	19.7	B-104-10	D	19.9
B-102-11	A	19.5	B-103-11	A	19.7	B-104-11	D	19.8
B-102-12	D	19.5	B-103-12	D	19.7	B-104-12	D	19.8
B-102-13	D	19.4	B-103-13	D	19.6	B-104-13	D	19.8
B-102-14	A	19.4	B-103-14	D	19.6	B-104-14	A	19.8
B-102-15	A	19.7	B-103-15	A	19.8	B-104-15	A	19.9
B-102-16	A	20.0	B-103-16	D	20.0	B-104-16	A	20.0
			B-103-17	A	20.3	B-104-17	A	20.4

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-105- 1	A	21.3	B-106- 1	A	21.5	B-107- 1	D	21.7
B-105- 2	A	21.0	B-106- 2	A	21.2	B-107- 2	A	21.4
B-105- 3	B	20.0	B-106- 3	A	20.3	B-107- 3	A	20.6
B-105- 4	A	20.0	B-106- 4	A	20.3	B-107- 4	A	20.6
B-105- 5	A	20.0	B-106- 5	A	20.3	B-107- 5	D	20.6
B-105- 6	D	20.0	B-106- 6	D	20.3	B-107- 6	D	20.6
B-105- 7	D	20.0	B-106- 7	D	20.3	B-107- 7	D	20.6
B-105- 8	A	20.0	B-106- 8	D	20.3	B-107- 8	A	20.6
B-105- 9	D	20.0	B-106- 9	D	20.3	B-107- 9	A	20.6
B-105-10	A	20.0	B-106-10	A	20.3	B-107-10	A	20.6
B-105-11	A	20.0	B-106-11	A	20.3	B-107-11	D	20.6
B-105-12	D	20.0	B-106-12	D	20.3	B-107-12	D	20.6
B-105-13	A	20.0	B-106-13	D	20.3	B-107-13	A	20.6
B-105-14	A	20.0	B-106-14	A	20.3	B-107-14	A	20.6
B-105-15	A	20.0	B-106-15	A	20.3	B-107-15	A	20.6
B-105-16	A	20.0	B-106-16	A	20.3	B-107-16	A	20.6
B-105-17	A	20.5	B-106-17	A	20.5			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (13)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-108- 1	D	22.0	B-109- 1	A	22.2	B-110- 1	A	22.4
B-108- 2	A	21.7	B-109- 2	A	21.9	B-110- 2	A	22.1
B-108- 3	A	22.0	B-109- 3	A	21.2	B-110- 3	A	21.5
B-108- 4	A	22.0	B-109- 4	A	21.2	B-110- 4	C	21.5
B-108- 5	C	22.0	B-109- 5	D	21.2	B-110- 5	C	21.5
B-108- 6	D	21.9	B-109- 6	D	21.2	B-110- 6	D	21.5
B-108- 7	C	22.0	B-109- 7	A	21.2	B-110- 7	A	21.5
B-108- 8	A	21.9	B-109- 8	A	21.2	B-110- 8	D	21.5
B-108- 9	A	22.0	B-109- 9	A	21.2	B-110- 9	D	21.5
B-108-10	A	22.0	B-109-10	A	21.2	B-110-10	A	21.5
B-108-11	A	22.0	B-109-11	A	21.2	B-110-11	D	21.5
B-108-12	D	22.0	B-109-12	A	21.2	B-110-12	D	21.5
B-108-13	A	22.0	B-109-13	A	21.2	B-110-13	A	21.5
B-108-14	D	22.0	B-109-14	A	21.2	B-110-14	D	21.5
B-108-15	A	22.0	B-109-15	A	21.2	B-110-15	A	21.5
B-108-16	A	22.0						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-111- 1	B	22.6	B-112- 1	A	22.3	B-113- 1	A	23.0
B-111- 2	A	22.4	B-112- 2	A	22.0	B-113- 2	A	22.9
B-111- 3	A	21.8	B-112- 3	A	22.1	B-113- 3	A	22.4
B-111- 4	C	21.8	B-112- 4	A	22.1	B-113- 4	B	22.4
B-111- 5	A	21.8	B-112- 5	D	22.1	B-113- 5	D	22.4
B-111- 6	C	21.8	B-112- 6	D	22.1	B-113- 6	D	22.4
B-111- 7	A	21.8	B-112- 7	D	22.1	B-113- 7	D	22.4
B-111- 8	A	21.8	B-112- 8	A	22.1	B-113- 8	A	22.4
B-111- 9	A	21.8	B-112- 9	A	22.1	B-113- 9	D	22.4
B-111-10	A	21.8	B-112-10	A	22.1	B-113-10	A	22.4
B-111-11	D	21.8	B-112-11	A	22.1	B-113-11	A	22.4
B-111-12	A	21.8	B-112-12	D	22.1	B-113-12	D	22.4
B-111-13	C	21.8	B-112-13	A	22.1	B-113-13	A	22.4
B-111-14	B	21.8	B-112-14	D	22.1	B-113-14	D	22.4
B-111-15	A	21.8						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-114- 1	A	23.3	B-115- 1	A	23.5	B-116- 1	A	23.7
B-114- 2	A	23.1	B-115- 2	A	23.3	B-116- 2	A	23.6
B-114- 3	A	22.6	B-115- 3	A	22.9	B-116- 3	A	23.2
B-114- 4	A	22.6	B-115- 4	A	22.9	B-116- 4	A	23.2
B-114- 5	A	22.6	B-115- 5	A	22.9	B-116- 5	A	23.2
B-114- 6	C	22.6	B-115- 6	D	22.9	B-116- 6	A	23.2
B-114- 7	E	22.6	B-115- 7	B	22.9	B-116- 7	B	23.2
B-114- 8	A	22.6	B-115- 8	D	22.9	B-116- 8	B	23.2
B-114- 9	A	22.6	B-115- 9	A	22.9	B-116- 9	A	23.2
B-114-10	A	22.6	B-115-10	A	22.9	B-116-10	A	23.2
B-114-11	A	22.6	B-115-11	D	22.9	B-116-11	A	23.2
B-114-12	D	22.6	B-115-12	A	22.9	B-116-12	A	23.2
B-114-13	A	22.6	B-115-13	A	22.9	B-116-13	A	23.2
B-114-14	D	22.6	B-115-14	A	22.9	B-116-14	A	23.2
			B-115-15	A	22.9	B-116-15	A	23.2

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (14)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-117- 1	A	23.9	B-118- 1	A	24.1	B-119- 1	A	24.3
B-117- 2	A	23.8	B-118- 2	A	24.0	B-119- 2	D	24.3
B-117- 3	A	23.5	B-118- 3	A	23.8	B-119- 3	A	24.1
B-117- 4	A	23.5	B-118- 4	A	23.8	B-119- 4	A	24.1
B-117- 5	A	23.5	B-118- 5	A	23.6	B-119- 5	A	24.1
B-117- 6	A	23.5	B-118- 6	A	23.8	B-119- 6	B	24.1
B-117- 7	B	23.5	B-118- 7	E	23.8	B-119- 7	A	24.1
B-117- 8	A	23.5	B-118- 8	D	23.8	B-119- 8	E	24.1
B-117- 9	A	23.5	B-118- 9	A	23.8	B-119- 9	A	24.1
B-117-10	A	23.5	B-118-10	A	23.8	B-119-10	A	24.1
B-117-11	A	23.5	B-118-11	A	23.8	B-119-11	A	24.1
B-117-12	A	23.5	B-118-12	A	23.8	B-119-12	A	24.1
B-117-13	A	23.5	B-118-13	A	23.8	B-119-13	A	24.1
B-117-14	A	23.5	B-118-14	A	23.8	B-119-14	A	24.1
B-117-15	A	23.5	B-118-15	A	23.8	B-119-15	A	24.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-120- 1	A	24.6	B-121- 1	A	24.8	B-122- 1	A	25.0
B-120- 2	A	24.5	B-121- 2	A	24.8	B-122- 2	A	25.0
B-120- 3	A	24.4	B-121- 3	A	24.7	B-122- 3	A	25.0
B-120- 4	A	24.4	B-121- 4	A	24.7	B-122- 4	D	25.0
B-120- 5	A	24.4	B-121- 5	A	24.7	B-122- 5	A	25.0
B-120- 6	A	24.4	B-121- 6	A	24.7	B-122- 6	A	25.0
B-120- 7	A	24.4	B-121- 7	A	24.7	B-122- 7	A	25.0
B-120- 8	B	24.4	B-121- 8	A	24.7	B-122- 8	A	25.0
B-120- 9	A	24.4	B-121- 9	D	24.7	B-122- 9	D	25.0
B-120-10	A	24.4	B-121-10	A	24.7	B-122-10	A	25.0
B-120-11	A	24.4	B-121-11	D	24.7	B-122-11	A	25.0
B-120-12	A	24.4	B-121-12	A	24.7	B-122-12	A	25.0
B-120-13	A	24.4	B-121-13	A	24.7	B-122-13	A	25.0
B-120-14	A	24.4	B-121-14	A	24.7	B-122-14	A	25.0
B-120-15	A	24.4	B-121-15	A	24.7	B-122-15	A	25.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-123- 1	A	25.2	B-124- 1	A	25.5	B-125- 1	A	25.9
B-123- 2	D	25.3	B-124- 2	A	25.5	B-125- 2	A	26.2
B-123- 3	A	25.3	B-124- 3	A	25.5	B-125- 3	A	26.3
B-123- 4	A	25.3	B-124- 4	A	25.5	B-125- 4	A	26.6
B-123- 5	A	25.3	B-124- 5	A	25.5	B-125- 5	A	26.9
B-123- 6	A	25.3	B-124- 6	A	25.6	B-125- 6	A	27.0
B-123- 7	A	25.3	B-124- 7	A	25.6	B-125- 7	A	27.3
B-123- 8	E	25.3	B-124- 8	A	25.6	B-125- 8	A	27.3
B-123- 9	E	25.3	B-124- 9	E	25.6			
B-123-10	A	25.3	B-124-10	A	25.6			
B-123-11	A	25.3	B-124-11	A	25.6			
B-123-12	A	25.3	B-124-12	D	25.6			
B-123-13	A	25.3	B-124-13	A	25.6			
B-123-14	A	25.3	B-124-14	A	25.6			
B-123-15	A	25.3	B-124-15	D	25.7			
B-123-16	A	25.3	B-124-16	D	25.7			
			B-124-17	D	25.7			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (15)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-126- 1	D	25.9	B-127- 1	A	25.8	B-128- 1	A	25.8
B-126- 2	A	26.2	B-127- 2	D	26.2	B-128- 2	A	26.1
B-126- 3	A	26.5	B-127- 3	A	26.5	B-128- 3	A	26.5
B-126- 4	A	26.6	B-127- 4	A	26.8	B-128- 4	A	26.8
B-126- 5	A	26.9	B-127- 5	A	26.9	B-128- 5	A	27.1
B-126- 6	A	27.2	B-127- 6	A	27.2	B-128- 6	A	27.2
B-126- 7	A	27.3	B-127- 7	A	27.5	B-128- 7	A	27.5
B-126- 8	A	27.7	B-127- 8	A	27.7	B-128- 8	A	27.8
B-126- 9	A	27.7	B-127- 9	A	28.0	B-128- 9	A	28.0
			B-127-10	A	28.0	B-128-10	A	28.3
						B-128-11	A	28.3

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-129- 1	A	25.6	B-130- 1	A	25.7	B-131- 1	A	25.7
B-129- 2	A	25.8	B-130- 2	A	26.0	B-131- 2	A	26.0
B-129- 3	A	26.1	B-130- 3	A	26.1	B-131- 3	A	26.3
B-129- 4	A	26.4	B-130- 4	A	26.4	B-131- 4	A	26.3
B-129- 5	A	26.8	B-130- 5	A	26.7	B-131- 5	A	26.7
B-129- 6	D	27.1	B-130- 6	A	27.1	B-131- 6	D	26.9
B-129- 7	D	27.4	B-130- 7	D	27.4	B-131- 7	A	27.4
B-129- 8	A	27.5	B-130- 8	D	27.6	B-131- 8	D	27.6
B-129- 9	A	27.8	B-130- 9	A	27.8	B-131- 9	A	27.9
B-129-10	A	28.1	B-130-10	A	28.1	B-131-10	A	28.1
B-129-11	A	28.3	B-130-11	A	28.4	B-131-11	A	28.4
B-129-12	A	28.7	B-130-12	A	28.7	B-131-12	A	28.8
B-129-13	A	28.7	B-130-13	A	29.0	B-131-13	A	29.0
			B-130-14	A	29.0	B-131-14	A	29.3
						B-131-15	A	29.3

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-132- 1	A	26.0	B-133- 1	A	26.2	B-134- 1	A	26.4
B-132- 2	A	26.2	B-133- 2	A	26.4	B-134- 2	A	26.7
B-132- 3	A	26.5	B-133- 3	A	26.8	B-134- 3	A	27.0
B-132- 4	A	26.6	B-133- 4	A	26.8	B-134- 4	A	27.1
B-132- 5	A	26.9	B-133- 5	A	27.2	B-134- 5	A	27.5
B-132- 6	A	27.2	B-133- 6	D	27.5	B-134- 6	A	27.8
B-132- 7	D	27.6	B-133- 7	A	27.9	B-134- 7	A	28.2
B-132- 8	D	27.9	B-133- 8	D	28.2	B-134- 8	D	28.5
B-132- 9	A	28.2	B-133- 9	A	28.5	B-134- 9	D	28.8
B-132-10	A	28.4	B-133-10	A	28.8	B-134-10	D	29.1
B-132-11	A	28.8	B-133-11	D	29.1	B-134-11	A	29.4
B-132-12	A	29.1	B-133-12	A	29.4	B-134-12	A	29.7
B-132-13	A	29.3	B-133-13	A	29.7	B-134-13	A	30.0
B-132-14	A	29.7	B-133-14	A	30.0	B-134-14	A	30.0
B-132-15	D	29.7	B-133-15	A	30.0	B-134-15	A	30.2

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (16)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-135- 1	D	26.7	B-136- 1	A	26.9	B-137- 1	A	27.1
B-135- 2	A	26.9	B-136- 2	A	27.1	B-137- 2	A	27.4
B-135- 3	A	27.2	B-136- 3	A	27.5	B-137- 3	A	27.8
B-135- 4	A	27.4	B-136- 4	A	27.6	B-137- 4	A	27.9
B-135- 5	A	27.8	B-136- 5	A	28.1	B-137- 5	A	28.3
B-135- 6	D	28.1	B-136- 6	D	28.3	B-137- 6	A	28.6
B-135- 7	A	28.5	B-136- 7	D	28.8	B-137- 7	D	29.1
B-135- 8	A	28.8	B-136- 8	A	29.1	B-137- 8	D	29.4
B-135- 9	D	29.1	B-136- 9	E	29.4	B-137- 9	E	29.7
B-135-10	D	29.4	B-136-10	D	29.7	B-137-10	A	30.0
B-135-11	A	29.7	B-136-11	A	30.0	B-137-11	A	30.0
B-135-12	D	30.0	B-136-12	A	30.0	B-137-12	A	30.3
B-135-13	A	30.0	B-136-13	A	30.3	B-137-13	A	30.5
B-135-14	A	30.2	B-136-14	A	30.5	B-137-14	A	30.7
B-135-15	A	30.4	B-136-15	A	30.6	B-137-15	A	30.9

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-138- 1	A	27.4	B-139- 1	A	27.6	B-140- 1	D	27.9
B-138- 2	A	27.6	B-139- 2	A	27.9	B-140- 2	D	28.1
B-138- 3	A	28.0	B-139- 3	A	28.3	B-140- 3	A	28.5
B-138- 4	A	28.2	B-139- 4	A	28.4	B-140- 4	A	28.7
B-138- 5	A	28.6	B-139- 5	D	28.9	B-140- 5	A	29.2
B-138- 6	A	28.9	B-139- 6	A	29.2	B-140- 6	A	29.4
B-138- 7	A	29.4	B-139- 7	A	29.7	B-140- 7	A	30.0
B-138- 8	D	29.7	B-139- 8	A	30.0	B-140- 8	A	30.0
B-138- 9	D	30.0	B-139- 9	A	30.0	B-140- 9	E	30.4
B-138-10	A	30.0	B-139-10	A	30.4	B-140-10	A	30.7
B-138-11	A	30.3	B-139-11	A	30.7	B-140-11	A	31.0
B-138-12	A	30.6	B-139-12	A	30.9	B-140-12	A	31.2
B-138-13	A	30.8	B-139-13	A	31.1	B-140-13	A	31.4
B-138-14	A	31.0	B-139-14	A	31.2	B-140-14	A	31.5
B-138-15	A	31.1	B-139-15	A	31.3	B-140-15	A	31.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-141- 1	A	28.1	B-142- 1	A	28.3	B-143- 1	A	28.6
B-141- 2	A	28.3	B-142- 2	A	28.6	B-143- 2	D	28.8
B-141- 3	A	28.8	B-142- 3	A	29.0	B-143- 3	A	29.3
B-141- 4	A	28.9	B-142- 4	A	29.2	B-143- 4	A	29.5
B-141- 5	A	29.4	B-142- 5	D	29.7	B-143- 5	A	30.0
B-141- 6	A	29.7	B-142- 6	A	30.0	B-143- 6	A	30.0
B-141- 7	A	30.0	B-142- 7	A	30.0	B-143- 7	A	30.5
B-141- 8	A	30.4	B-142- 8	A	30.8	B-143- 8	E	31.3
B-141- 9	E	30.8	B-142- 9	E	31.2	B-143- 9	A	31.5
B-141-10	A	31.1	B-142-10	A	31.4	B-143-10	A	31.8
B-141-11	A	31.3	B-142-11	A	31.6	B-143-11	A	32.0
B-141-12	A	31.5	B-142-12	A	31.8	B-143-12	A	32.4
B-141-13	A	31.6	B-142-13	A	31.9	B-143-13	D	32.2
B-141-14	A	31.7	B-142-14	A	32.0			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (17)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-144- 1	A	28.8	B-145- 1	A	29.0	B-146- 1	A	29.3
B-144- 2	D	29.6	B-145- 2	A	29.3	B-146- 2	A	29.5
B-144- 3	A	29.5	B-145- 3	A	29.8	B-146- 3	A	30.0
B-144- 4	A	29.7	B-145- 4	A	30.0	B-146- 4	A	30.0
B-144- 5	A	30.0	B-145- 5	A	30.0	B-146- 5	A	30.7
B-144- 6	A	30.6	B-145- 6	A	31.1	B-146- 6	A	31.7
B-144- 7	D	31.0	B-145- 7	E	31.5	B-146- 7	D	32.0
B-144- 8	A	31.7	B-145- 8	A	32.1	B-146- 8	A	32.5
B-144- 9	D	31.9	B-145- 9	A	32.3	B-146- 9	A	32.7
B-144-10	A	32.1	B-145-10	A	32.5	B-146-10	A	32.9
B-144-11	A	32.3	B-145-11	A	32.6	B-146-11	A	33.0
B-144-12	A	32.4	B-145-12	A	32.7	B-146-12	A	33.0
B-144-13	A	32.5	B-145-13	A	32.7			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-147- 1	A	29.5	B-148- 1	A	29.8	B-149- 1	A	30.0
B-147- 2	A	29.8	B-148- 2	A	30.0	B-149- 2	D	30.0
B-147- 3	D	30.0	B-148- 3	A	30.0	B-149- 3	A	31.0
B-147- 4	A	30.8	B-148- 4	A	31.7	B-149- 4	A	32.5
B-147- 5	A	31.4	B-148- 5	A	32.1	B-149- 5	A	32.9
B-147- 6	A	32.2	B-148- 6	A	32.8	B-149- 6	A	33.3
B-147- 7	D	32.5	B-148- 7	A	33.0	B-149- 7	A	33.5
B-147- 8	A	32.9	B-148- 8	D	33.3	B-149- 8	A	33.8
B-147- 9	A	33.1	B-148- 9	E	33.5	B-149- 9	E	33.8
B-147-10	A	33.2	B-148-10	A	33.6	B-149-10	A	33.9
B-147-11	A	33.3	B-148-11	A	33.6	B-149-11	A	33.9
B-147-12	A	33.3						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-150- 1	A	30.0	B-151- 1	A	30.0	B-152- 1	A	32.5
B-150- 2	D	31.3	B-151- 2	A	32.5	B-152- 2	A	33.8
B-150- 3	A	32.0	B-151- 3	A	33.1	B-152- 3	A	34.0
B-150- 4	A	33.3	B-151- 4	D	34.2	B-152- 4	A	35.0
B-150- 5	A	33.6	B-151- 5	A	34.3	B-152- 5	A	35.0
B-150- 6	A	33.9	B-151- 6	A	34.4	B-152- 6	A	35.0
B-150- 7	A	34.0	B-151- 7	A	34.5	B-152- 7	A	35.0
B-150- 8	A	34.2	B-151- 8	A	34.6	B-152- 8	A	35.0
B-150- 9	E	34.2	B-151- 9	E	34.6	B-152- 9	E	35.0
B-150-10	D	34.3	B-151-10	A	34.6	B-152-10	A	35.0
B-150-11	A	34.3						

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (18)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-153- 1	B	35.0	B-154- 1	B	40.0	B-155- 1	D	35.8
B-153- 2	B	35.0	B-154- 2	B	40.0	B-155- 2	B	35.8
B-153- 3	B	35.0	B-154- 3	B	40.0	B-155- 3	A	35.8
B-153- 4	A	35.0	B-154- 4	A	40.0	B-155- 4	B	35.8
B-153- 5	A	37.5	B-154- 5	A	40.0			
B-153- 6	A	35.0	B-154- 6	A	35.0			
B-153- 7	A	35.3	B-154- 7	A	35.5			
B-153- 8	D	35.3	B-154- 8	A	35.5			
B-153- 9	E	35.3	B-154- 9	E	35.5			
B-153-10	A	35.3	B-154-10	A	35.5			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-156- 1	A	35.8	B-157- 1	A	40.0	B-158- 1	A	40.0
B-156- 2	A	36.0	B-157- 2	A	35.0	B-158- 2	A	40.0
B-156- 3	E	36.0	B-157- 3	A	36.1	B-158- 3	A	40.0
B-156- 4	D	36.0	B-157- 4	E	36.3	B-158- 4	A	35.0
B-156- 5	A	36.0	B-157- 5	C	36.3	B-158- 5	D	36.3
			B-157- 6	C	36.3	B-158- 6	E	36.5
			B-157- 7	A	36.3	B-158- 7	C	36.5
			B-157- 8	A	36.3	B-158- 8	C	36.5
						B-158- 9	C	36.5
						B-158-10	A	36.5
						B-158-11	A	36.6

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-159- 1	B	40.0	B-160- 1	A	40.0	B-161- 1	C	40.0
B-159- 2	B	40.0	B-160- 2	A	40.0	B-161- 2	C	40.0
B-159- 3	A	40.0	B-160- 3	D	40.0	B-161- 3	C	40.0
B-159- 4	B	40.0	B-160- 4	C	40.0	B-161- 4	C	40.0
B-159- 5	A	40.0	B-160- 5	C	40.0	B-161- 5	C	40.0
B-159- 6	A	35.0	B-160- 6	C	35.0	B-161- 6	E	35.0
B-159- 7	B	36.6	B-160- 7	E	36.8	B-161- 7	A	37.1
B-159- 8	C	36.8	B-160- 8	C	37.0	B-161- 8	C	37.3
B-159- 9	C	36.8	B-160- 9	C	37.0	B-161- 9	C	37.3
B-159-10	C	36.8	B-160-10	C	37.0	B-161-10	C	37.3
B-159-11	C	36.8	B-160-11	C	37.0	B-161-11	C	37.3
B-159-12	C	36.8	B-160-12	C	37.0	B-161-12	C	37.3
B-159-13	A	36.8	B-160-13	A	37.1	B-161-13	C	37.4
			B-160-14	A	37.1	B-161-14	A	37.3
						B-161-15	A	37.3

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (19)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-162- 1	C	38.8	B-163- 1	A	37.5	B-164- 1	A	36.3
B-162- 2	C	38.8	B-163- 2	D	37.5	B-164- 2	D	36.3
B-162- 3	C	38.8	B-163- 3	A	37.5	B-164- 3	D	36.3
B-162- 4	C	38.3	B-163- 4	A	36.7	B-164- 4	C	35.0
B-162- 5	C	35.0	B-163- 5	A	35.0	B-164- 5	C	35.0
B-162- 6	C	35.0	B-163- 6	A	35.5	B-164- 6	C	36.0
B-162- 7	C	37.4	B-163- 7	A	37.6	B-164- 7	C	37.9
B-162- 8	A	37.5	B-163- 8	E	37.6	B-164- 8	E	38.0
B-162- 9	A	37.5	B-163- 9	B	37.8	B-164- 9	B	38.0
B-162-10	C	37.5	B-163-10	A	37.8	B-164-10	A	38.0
B-162-11	C	37.5	B-163-11	C	37.8	B-164-11	C	38.0
B-162-12	C	37.5	B-163-12	C	37.8	B-164-12	C	38.0
B-162-13	C	37.6	B-163-13	C	37.9	B-164-13	C	38.2
B-162-14	C	37.6	B-163-14	C	37.9	B-164-14	C	38.1
B-162-15	C	37.6	B-163-15	C	37.9	B-164-15	B	38.1
			B-163-16	A	37.9	B-164-16	B	38.2
						B-164-17	A	38.2

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-165- 1	D	35.0	B-166- 1	A	35.8	B-167- 1	A	36.7
B-165- 2	A	35.0	B-166- 2	A	35.8	B-167- 2	A	36.7
B-165- 3	D	35.0	B-166- 3	A	35.8	B-167- 3	A	36.7
B-165- 4	C	35.0	B-166- 4	D	35.8	B-167- 4	A	36.7
B-165- 5	C	35.6	B-166- 5	C	36.3	B-167- 5	A	36.9
B-165- 6	C	35.5	B-166- 6	C	37.0	B-167- 6	A	37.5
B-165- 7	C	38.2	B-166- 7	C	38.4	B-167- 7	A	38.7
B-165- 8	C	38.3	B-166- 8	C	38.5	B-167- 8	D	38.8
B-165- 9	E	38.3	B-166- 9	C	38.5	B-167- 9	A	38.8
B-165-10	A	38.3	B-166-10	A	38.5	B-167-10	D	38.8
B-165-11	C	38.3	B-166-11	A	38.5	B-167-11	A	38.8
B-165-12	C	38.3	B-166-12	A	38.5	B-167-12	D	35.8
B-165-13	C	38.4	B-166-13	A	38.7	B-167-13	A	38.9
B-165-14	A	38.4	B-166-14	A	38.7	B-167-14	A	38.9
B-165-15	A	38.4	B-166-15	A	38.7	B-167-15	A	38.9
B-165-16	B	38.5	B-166-16	A	38.8	B-167-16	A	39.1
B-165-17	A	38.5	B-166-17	A	38.8	B-167-17	A	39.1
			B-166-18	A	38.8	B-167-18	A	39.1
						B-167-19	A	39.2

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-168- 1	A	37.5	B-169- 1	A	38.3	B-170- 1	D	39.2
B-168- 2	A	37.5	B-169- 2	D	38.2	B-170- 2	D	39.2
B-168- 3	A	37.5	B-169- 3	A	38.2	B-170- 3	A	39.2
B-168- 4	A	37.5	B-169- 4	A	38.2	B-170- 4	A	39.2
B-168- 5	A	37.5	B-169- 5	A	38.1	B-170- 5	A	38.8
B-168- 6	A	38.0	B-169- 6	A	38.5	B-170- 6	A	39.0
B-168- 7	A	38.9	B-169- 7	A	39.2	B-170- 7	D	39.5
B-168- 8	D	39.0	B-169- 8	D	39.3	B-170- 8	D	39.5
B-168- 9	A	39.0	B-169- 9	A	39.3	B-170- 9	D	39.5
B-168-10	D	39.0	B-169-10	A	39.3	B-170-10	D	39.5
B-168-11	D	39.0	B-169-11	D	39.3	B-170-11	D	39.5
B-168-12	D	39.0	B-169-12	D	39.3	B-170-12	A	39.5
B-168-13	A	39.2	B-169-13	A	39.5	B-170-13	D	39.7
B-168-14	A	39.2	B-169-14	A	39.5	B-170-14	A	39.7
B-168-15	A	39.2	B-169-15	A	39.5	B-170-15	A	40.7
B-168-16	A	39.4	B-169-16	A	39.7	B-170-16	A	40.0
B-168-17	B	39.4	B-169-17	A	39.7	B-170-17	A	40.0
B-168-18	B	39.4	B-169-18	A	39.7	B-170-18	A	40.0
B-168-19	A	39.6	B-169-19	B	40.0	B-170-19	A	40.0
			B-169-20	B	40.0	B-170-20	D	40.3
						B-170-21	D	40.3

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (2D)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-171- 1	A	40.0	B-172- 1	A	40.3	B-173- 1	A	40.5
B-171- 2	D	40.0	B-172- 2	A	40.3	B-173- 2	D	40.5
B-171- 3	A	40.0	B-172- 3	D	40.3	B-173- 3	D	40.5
B-171- 4	D	40.0	B-172- 4	A	40.0	B-173- 4	D	40.3
B-171- 5	A	39.4	B-172- 5	A	40.0	B-173- 5	D	40.3
B-171- 6	A	39.5	B-172- 6	A	40.0	B-173- 6	D	40.3
B-171- 7	D	39.7	B-172- 7	A	40.0	B-173- 7	A	40.3
B-171- 8	D	39.8	B-172- 8	D	40.0	B-173- 8	B	40.3
B-171- 9	A	39.8	B-172- 9	D	40.0	B-173- 9	B	40.3
B-171-10	A	39.8	B-172-10	D	40.0	B-173-10	A	40.3
B-171-11	D	39.6	B-172-11	D	40.0	B-173-11	A	40.3
B-171-12	A	39.8	B-172-12	D	40.0	B-173-12	D	40.3
B-171-13	A	40.0	B-172-13	A	40.0	B-173-13	A	40.3
B-171-14	D	40.0	B-172-14	D	40.3	B-173-14	A	40.5
B-171-15	A	40.0	B-172-15	D	40.3	B-173-15	A	40.5
B-171-16	A	40.0	B-172-16	A	40.3	B-173-16	D	40.5
B-171-17	A	40.3	B-172-17	D	40.5	B-173-17	A	40.8
B-171-18	A	40.3	B-172-18	A	40.5	B-173-18	D	40.8
B-171-19	A	40.3	B-172-19	A	40.6	B-173-19	A	40.9
B-171-20	A	40.6	B-172-20	A	40.9	B-173-20	A	41.1
B-171-21	D	40.6	B-172-21	A	40.9			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-174- 1	A	40.8	B-175- 1	A	41.1	B-176- 1	A	41.3
B-174- 2	A	40.8	B-175- 2	A	41.1	B-176- 2	A	41.3
B-174- 3	A	40.8	B-175- 3	A	41.1	B-176- 3	A	41.3
B-174- 4	A	40.6	B-175- 4	A	40.8	B-176- 4	A	41.1
B-174- 5	A	40.6	B-175- 5	A	40.8	B-176- 5	A	41.1
B-174- 6	A	40.6	B-175- 6	A	40.8	B-176- 6	D	41.1
B-174- 7	A	40.6	B-175- 7	A	40.8	B-176- 7	A	41.1
B-174- 8	B	40.5	B-175- 8	D	40.8	B-176- 8	D	41.1
B-174- 9	D	40.5	B-175- 9	D	40.8	B-176- 9	D	41.1
B-174-10	A	40.5	B-175-10	A	40.8	B-176-10	A	41.1
B-174-11	A	40.5	B-175-11	A	40.8	B-176-11	A	41.1
B-174-12	D	40.5	B-175-12	D	40.8	B-176-12	D	41.1
B-174-13	A	40.5	B-175-13	A	40.8	B-176-13	A	41.1
B-174-14	A	40.8	B-175-14	A	41.0	B-176-14	A	41.3
B-174-15	A	40.8	B-175-15	A	41.0	B-176-15	A	41.3
B-174-16	A	40.8	B-175-16	A	41.0	B-176-16	A	41.3
B-174-17	A	41.0	B-175-17	D	41.3			
B-174-18	A	41.0						
B-174-19	D	41.1						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-177- 1	A	41.6	B-178- 1	D	41.8	B-179- 1	A	42.1
B-177- 2	A	41.6	B-178- 2	D	41.8	B-179- 2	A	42.1
B-177- 3	A	41.6	B-178- 3	D	41.8	B-179- 3	A	42.1
B-177- 4	A	41.4	B-178- 4	D	41.7	B-179- 4	A	41.9
B-177- 5	A	41.4	B-178- 5	A	41.7	B-179- 5	A	41.9
B-177- 6	A	41.4	B-178- 6	A	41.7	B-179- 6	A	41.9
B-177- 7	A	41.4	B-178- 7	D	41.7	B-179- 7	A	41.9
B-177- 8	E	41.3	B-178- 8	D	41.6	B-179- 8	D	41.8
B-177- 9	D	41.3	B-178- 9	D	41.6	B-179- 9	A	41.8
B-177-10	D	41.3	B-178-10	D	41.6	B-179-10	A	41.8
B-177-11	A	41.3	B-178-11	D	41.6	B-179-11	A	41.8
B-177-12	D	41.3	B-178-12	A	41.6	B-179-12	A	41.8
B-177-13	A	41.3	B-178-13	D	41.6	B-179-13	A	41.8
B-177-14	A	41.5	B-178-14	D	41.8	B-179-14	D	42.0
B-177-15	A	41.5	B-178-15	A	41.8	B-179-15	A	42.0
			B-178-16	A	41.8	B-179-16	A	42.3

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (21)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-180- 1	A	42.4	B-181- 1	A	42.6	B-182- 1	A	42.9
B-180- 2	A	42.4	B-181- 2	A	42.6	B-182- 2	A	42.9
B-180- 3	A	42.4	B-181- 3	A	42.6	B-182- 3	A	42.9
B-180- 4	A	42.2	B-181- 4	D	42.5	B-182- 4	A	42.8
B-180- 5	A	42.2	B-181- 5	A	42.5	B-182- 5	A	42.8
B-180- 6	A	42.2	B-181- 6	A	42.5	B-182- 6	A	42.8
B-180- 7	A	42.2	B-181- 7	A	42.5	B-182- 7	D	42.8
B-180- 8	D	42.1	B-181- 8	D	42.4	B-182- 8	D	42.6
B-180- 9	A	42.1	B-181- 9	D	42.4	B-182- 9	A	42.6
B-180-10	A	42.1	B-181-10	A	42.4	B-182-10	A	42.6
B-180-11	A	42.1	B-181-11	A	42.4	B-182-11	A	42.6
B-180-12	A	42.1	B-181-12	A	42.4	B-182-12	A	42.6
B-180-13	A	42.1	B-181-13	D	42.4	B-182-13	D	42.6
B-180-14	D	42.3	B-181-14	D	42.5	B-182-14	A	42.8
B-180-15	A	42.3	B-181-15	A	42.5	B-182-15	A	42.8
B-180-16	A	42.5	B-181-16	A	42.7	B-182-16	A	42.9
						B-182-17	A	42.9

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-183- 1	D	43.2	B-184- 1	D	43.4	B-185- 1	A	43.7
B-183- 2	A	43.2	B-184- 2	A	43.4	B-185- 2	A	43.7
B-183- 3	A	43.2	B-184- 3	A	43.4	B-185- 3	A	43.7
B-183- 4	A	43.1	B-184- 4	A	43.3	B-185- 4	A	43.6
B-183- 5	A	43.1	B-184- 5	A	43.3	B-185- 5	A	43.6
B-183- 6	A	43.1	B-184- 6	D	43.3	B-185- 6	E	43.6
B-183- 7	D	43.1	B-184- 7	D	43.3	B-185- 7	A	43.6
B-183- 8	A	42.9	B-184- 8	D	43.2	B-185- 8	D	43.4
B-183- 9	A	42.9	B-184- 9	A	43.2	B-185- 9	A	43.4
B-183-10	A	42.9	B-184-10	D	43.2	B-185-10	A	43.4
B-183-11	A	42.9	B-184-11	D	43.2	B-185-11	A	43.4
B-183-12	A	42.9	B-184-12	A	43.2	B-185-12	B	43.4
B-183-13	D	43.0	B-184-13	B	43.2	B-185-13	A	43.4
B-183-14	A	43.0	B-184-14	A	43.3	B-185-14	A	43.5
B-183-15	A	43.0	B-184-15	A	43.3	B-185-15	A	43.5
B-183-16	D	43.2	B-184-16	D	43.4	B-185-16	A	43.6
B-183-17	A	43.2	B-184-17	A	43.4	B-185-17	D	43.6
						B-185-18	D	43.6

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-186- 1	A	43.9	B-187- 1	A	44.2	B-188- 1	A	44.5
B-186- 2	A	43.9	B-187- 2	A	44.2	B-188- 2	D	44.5
B-186- 3	A	43.9	B-187- 3	A	44.2	B-188- 3	A	44.5
B-186- 4	A	43.9	B-187- 4	A	44.2	B-188- 4	A	44.4
B-186- 5	A	43.9	B-187- 5	E	44.2	B-188- 5	D	44.4
B-186- 6	E	43.9	B-187- 6	D	44.2	B-188- 6	D	44.4
B-186- 7	A	43.9	B-187- 7	A	44.2	B-188- 7	D	44.4
B-186- 8	A	43.7	B-187- 8	A	43.9	B-188- 8	A	44.2
B-186- 9	A	43.7	B-187- 9	A	43.9	B-188- 9	D	44.2
B-186-10	A	43.7	B-187-10	B	43.9	B-188-10	B	44.2
B-186-11	B	43.7	B-187-11	B	43.9	B-188-11	D	44.2
B-186-12	B	43.7	B-187-12	D	43.9	B-188-12	D	44.2
B-186-13	B	43.7	B-187-13	B	43.9	B-188-13	B	44.2
B-186-14	A	43.8	B-187-14	D	44.0	B-188-14	A	44.3
B-186-15	D	43.8	B-187-15	D	44.2	B-188-15	A	44.4
B-186-16	A	43.9	B-187-16	A	44.2	B-188-16	A	44.4
B-186-17	A	43.9	B-187-17	D	49.2	B-188-17	D	44.4
B-186-18	D	43.9	B-187-18	D	44.2	B-188-18	A	44.4

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (22)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-189- 1	D	44.7	B-190- 1	A	45.0	B-191- 1	D	45.8
B-189- 2	A	44.7	B-190- 2	A	45.0	B-191- 2	A	45.7
B-189- 3	D	44.7	B-190- 3	B	45.0	B-191- 3	A	45.7
B-189- 4	D	44.7	B-190- 4	B	45.0	B-191- 4	A	45.5
B-189- 5	D	44.7	B-190- 5	D	45.0	B-191- 5	A	45.5
B-189- 6	D	44.7	B-190- 6	E	45.0	B-191- 6	E	45.5
B-189- 7	A	44.7	B-190- 7	A	45.0	B-191- 7	A	45.0
B-189- 8	A	44.5	B-190- 8	A	44.7	B-191- 8	A	45.0
B-189- 9	A	44.5	B-190- 9	A	44.7	B-191- 9	A	45.0
B-189-10	D	44.5	B-190-10	A	44.7	B-191-10	B	45.0
B-189-11	D	44.5	B-190-11	D	44.7	B-191-11	D	45.0
B-189-12	D	44.5	B-190-12	A	44.7	B-191-12	D	45.0
B-189-13	B	44.5	B-190-13	A	44.7	B-191-13	A	45.0
B-189-14	A	44.5	B-190-14	D	44.8	B-191-14	A	45.0
B-189-15	D	44.6	B-190-15	A	44.8	B-191-15	A	45.0
B-189-16	A	44.6	B-190-16	A	44.8	B-191-16	D	45.0
B-189-17	D	44.6	B-190-17	D	44.8	B-191-17	A	45.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-192- 1	D	46.5	B-193- 1	A	47.3	B-194- 1	A	48.1
B-192- 2	A	46.4	B-193- 2	A	47.1	B-194- 2	A	47.9
B-192- 3	A	46.3	B-193- 3	D	47.0	B-194- 3	A	47.7
B-192- 4	A	46.0	B-193- 4	A	46.5	B-194- 4	A	47.0
B-192- 5	A	46.0	B-193- 5	A	46.4	B-194- 5	D	46.9
B-192- 6	D	46.0	B-193- 6	D	46.4	B-194- 6	E	46.9
B-192- 7	D	45.5	B-193- 7	D	46.0	B-194- 7	D	46.4
B-192- 8	A	45.5	B-193- 8	A	46.0	B-194- 8	D	46.4
B-192- 9	A	45.5	B-193- 9	A	46.0	B-194- 9	D	46.4
B-192-10	B	45.5	B-193-10	D	46.0	B-194-10	A	46.4
B-192-11	B	45.5	B-193-11	B	46.0	B-194-11	A	46.4
B-192-12	D	45.5	B-193-12	D	46.0	B-194-12	D	46.4
B-192-13	D	45.5	B-193-13	D	46.0	B-194-13	B	46.4
B-192-14	A	45.5	B-193-14	D	46.0	B-194-14	B	46.4
B-192-15	A	45.5	B-193-15	D	46.0	B-194-15	B	46.4
B-192-16	D	45.5	B-193-16	D	46.0	B-194-16	D	46.4
B-192-17	A	45.5	B-193-17	A	46.0	B-194-17	B	46.4

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-195- 1	D	48.8	B-196- 1	A	49.6	B-197- 1	D	50.4
B-195- 2	A	48.6	B-196- 2	A	49.3	B-197- 2	D	50.0
B-195- 3	A	48.3	B-196- 3	A	49.0	B-197- 3	A	49.7
B-195- 4	A	47.5	B-196- 4	D	48.0	B-197- 4	D	48.5
B-195- 5	D	47.4	B-196- 5	D	47.9	B-197- 5	D	48.3
B-195- 6	E	47.4	B-196- 6	E	47.9	B-197- 6	E	48.3
B-195- 7	A	46.9	B-196- 7	A	47.4	B-197- 7	D	47.9
B-195- 8	A	46.9	B-196- 8	A	47.4	B-197- 8	D	47.9
B-195- 9	D	46.9	B-196- 9	D	47.4	B-197- 9	A	47.9
B-195-10	A	46.9	B-196-10	D	47.4	B-197-10	A	47.9
B-195-11	A	46.9	B-196-11	D	47.4	B-197-11	A	47.9
B-195-12	A	46.9	B-196-12	A	47.4	B-197-12	A	47.9
B-195-13	B	46.9	B-196-13	B	47.4	B-197-13	A	47.9
B-195-14	B	46.9	B-196-14	D	47.4	B-197-14	D	47.9
B-195-15	A	46.9	B-196-15	D	47.4	B-197-15	D	47.9
B-195-16	D	46.9	B-196-16	B	47.4	B-197-16	A	47.9
B-195-17	B	46.9	B-196-17	A	47.4			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (23)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-198- 1	D	51.2	B-199- 1	A	51.9	B-200- 1	D	52.7
B-198- 2	A	50.7	B-199- 2	A	51.4	B-200- 2	A	52.1
B-198- 3	A	50.3	B-199- 3	A	51.0	B-200- 3	A	51.7
B-198- 4	A	49.0	B-199- 4	D	49.5	B-200- 4	D	50.0
B-198- 5	D	48.8	B-199- 5	D	49.3	B-200- 5	D	49.8
B-198- 6	E	48.8	B-199- 6	D	49.3	B-200- 6	A	49.3
B-198- 7	D	48.3	B-199- 7	A	48.6	B-200- 7	A	49.3
B-198- 8	D	48.3	B-199- 8	A	48.8	B-200- 8	A	49.3
B-198- 9	A	48.3	B-199- 9	D	48.8	B-200- 9	D	49.3
B-198-10	D	48.3	B-199-10	D	48.8	B-200-10	D	49.3
B-198-11	A	48.3	B-199-11	B	48.8	B-200-11	B	49.3
B-198-12	A	48.3	B-199-12	D	48.8	B-200-12	A	49.3
B-198-13	D	48.3	B-199-13	A	48.8	B-200-13	A	49.3
B-198-14	D	48.3	B-199-14	A	48.8	B-200-14	A	49.3
B-198-15	A	48.3				B-200-15	D	49.3
B-198-16	D	48.3				B-200-16	D	49.3

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-201- 1	A	53.5	B-202- 1	A	54.2	B-203- 1	A	55.0
B-201- 2	A	52.9	B-202- 2	A	53.6	B-203- 2	A	54.3
B-201- 3	A	52.3	B-202- 3	A	53.0	B-203- 3	A	53.7
B-201- 4	D	50.5	B-202- 4	A	51.0	B-203- 4	D	51.2
B-201- 5	A	50.2	B-202- 5	A	50.7	B-203- 5	A	51.2
B-201- 6	A	50.2	B-202- 6	A	50.7	B-203- 6	A	50.7
B-201- 7	A	49.8	B-202- 7	A	50.2	B-203- 7	A	50.7
B-201- 8	A	49.8	B-202- 8	A	50.2	B-203- 8	A	50.7
B-201- 9	A	49.8	B-202- 9	A	50.2	B-203- 9	A	50.7
B-201-10	B	49.8	B-202-10	B	50.2	B-203-10	B	50.7
B-201-11	B	49.8	B-202-11	A	50.2	B-203-11	D	50.7
B-201-12	A	49.8	B-202-12	A	50.2	B-203-12	A	50.7
B-201-13	B	49.8	B-202-13	B	50.2	B-203-13	A	50.7
B-201-14	A	49.8	B-202-14	A	50.2	B-203-14	A	50.7
B-201-15	A	49.8	B-202-15	A	50.2	B-203-15	A	50.7
B-201-16	A	49.8	B-202-16	A	50.2	B-203-16	A	50.7

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-204- 1	A	55.0	B-205- 1	A	55.3	B-206- 1	A	55.5
B-204- 2	A	55.0	B-205- 2	A	55.0	B-206- 2	A	55.3
B-204- 3	D	54.3	B-205- 3	A	55.0	B-206- 3	A	55.0
B-204- 4	D	52.0	B-205- 4	A	52.5	B-206- 4	D	53.0
B-204- 5	A	51.7	B-205- 5	D	52.1	B-206- 5	A	52.6
B-204- 6	A	51.7	B-205- 6	A	52.1	B-206- 6	A	52.6
B-204- 7	A	51.2	B-205- 7	A	51.7	B-206- 7	A	52.1
B-204- 8	A	51.2	B-205- 8	A	51.7	B-206- 8	A	52.1
B-204- 9	A	51.2	B-205- 9	A	51.7	B-206- 9	A	52.1
B-204-10	A	51.2	B-205-10	B	51.7	B-206-10	D	52.1
B-204-11	A	51.2	B-205-11	B	51.7	B-206-11	A	52.1
B-204-12	D	51.2	B-205-12	B	51.7	B-206-12	D	52.1
B-204-13	D	51.2	B-205-13	B	51.7	B-206-13	B	52.1
B-204-14	A	51.2	B-205-14	A	51.7	B-206-14	A	52.1
B-204-15	A	51.2	B-205-15	A	51.7	B-206-15	D	52.1
B-204-16	A	51.2	B-205-16	A	51.7			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (24)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-207- 1	D	55.8	B-208- 1	A	56.1	B-209- 1	A	56.4
B-207- 2	A	55.6	B-208- 2	A	55.9	B-209- 2	A	56.2
B-207- 3	A	55.0	B-208- 3	A	55.0	B-209- 3	D	55.0
B-207- 4	D	53.5	B-208- 4	D	54.0	B-209- 4	A	54.3
B-207- 5	A	53.1	B-208- 5	D	53.6	B-209- 5	A	54.0
B-207- 6	A	53.1	B-208- 6	A	53.6	B-209- 6	A	54.0
B-207- 7	A	52.6	B-208- 7	A	53.1	B-209- 7	D	53.6
B-207- 8	D	52.6	B-208- 8	A	53.1	B-209- 8	B	53.6
B-207- 9	A	52.6	B-208- 9	A	53.1	B-209- 9	A	53.6
B-207-10	D	52.6	B-208-10	B	53.1	B-209-10	B	53.6
B-207-11	A	52.6	B-208-11	A	53.1	B-209-11	B	53.6
B-207-12	A	52.6	B-208-12	A	53.1	B-209-12	B	53.6
B-207-13	B	52.6	B-208-13	B	53.1			
B-207-14	B	52.6						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-210- 1	A	56.6	B-211- 1	A	56.9	B-212- 1	A	57.2
B-210- 2	A	56.5	B-211- 2	A	56.8	B-212- 2	A	57.3
B-210- 3	D	55.0	B-211- 3	A	55.5	B-212- 3	A	56.4
B-210- 4	A	55.0	B-211- 4	A	55.0	B-212- 4	A	55.9
B-210- 5	A	54.5	B-211- 5	A	55.0	B-212- 5	A	55.7
B-210- 6	D	54.5	B-211- 6	D	55.0	B-212- 6	D	55.9
B-210- 7	A	54.0	B-211- 7	A	54.5	B-212- 7	A	55.3
B-210- 8	D	54.0	B-211- 8	A	54.5	B-212- 8	A	55.3
B-210- 9	B	54.0	B-211- 9	A	54.5	B-212- 9	A	55.3
B-210-10	B	54.0	B-211-10	B	54.5	B-212-10	D	55.3
B-210-11	B	54.0	B-211-11	D	54.5			
B-210-12	D	54.0						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-213- 1	A	57.5	B-214- 1	A	57.7	B-215- 1	A	58.0
B-213- 2	A	57.3	B-214- 2	A	57.6	B-215- 2	D	57.0
B-213- 3	A	56.6	B-214- 3	A	56.8	B-215- 3	D	57.3
B-213- 4	D	55.9	B-214- 4	A	56.4	B-215- 4	A	56.8
B-213- 5	A	55.7	B-214- 5	A	56.1	B-215- 5	A	56.4
B-213- 6	D	55.3	B-214- 6	D	55.9	B-215- 6	D	56.0
B-213- 7	A	55.3	B-214- 7	A	55.7	B-215- 7	A	56.0
B-213- 8	A	55.3	B-214- 8	A	55.6	B-215- 8	A	55.9
B-213- 9	A	55.3	B-214- 9	A	55.6	B-215- 9	A	55.9
B-213-10	D	55.3	B-214-10	D	55.6	B-215-10	D	55.9

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (25)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-216- 1	A	58.3	B-217- 1	A	58.6	B-218- 1	A	58.8
B-216- 2	A	58.2	B-217- 2	A	58.5	B-218- 2	D	58.8
B-216- 3	A	57.7	B-217- 3	A	58.2	B-218- 3	A	58.6
B-216- 4	A	57.3	B-217- 4	A	57.7	B-218- 4	A	58.2
B-216- 5	D	56.8	B-217- 5	A	57.1	B-218- 5	A	57.5
B-216- 6	D	56.3	B-217- 6	A	56.7	B-218- 6	A	57.0
B-216- 7	A	56.3	B-217- 7	D	56.7	B-218- 7	A	57.0
B-216- 8	A	56.3	B-217- 8	A	56.6	B-218- 8	B	56.9
B-216- 9	D	56.3	B-217- 9	B	56.6	B-218- 9	D	56.9
B-216-10	D	56.3	B-217-10	D	56.6	B-218-10	D	56.9

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-219- 1	A	57.9	B-220- 1	A	59.1	B-221- 1	A	59.5
B-219- 2	A	57.3	B-220- 2	A	58.6	B-221- 2	A	59.1
B-219- 3	A	57.3	B-220- 3	A	58.2	B-221- 3	A	58.6
B-219- 4	A	57.2	B-220- 4	A	57.7	B-221- 4	A	58.0
B-219- 5	A	57.2	B-220- 5	D	57.7	B-221- 5	D	58.0
B-219- 6	A	57.2	B-220- 6	D	57.5	B-221- 6	A	57.8
			B-220- 7	A	57.5	B-221- 7	A	57.8
			B-220- 8	A	57.5	B-221- 8	A	57.8

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-222- 1	A	60.0	B-223- 1	A	60.0	B-224- 1	A	60.7
B-222- 2	A	59.5	B-223- 2	A	60.0	B-224- 2	A	60.0
B-222- 3	A	58.9	B-223- 3	A	59.3	B-224- 3	A	59.6
B-222- 4	A	58.3	B-223- 4	A	58.7	B-224- 4	D	59.0
B-222- 5	A	58.3	B-223- 5	A	58.7	B-224- 5	A	59.0
B-222- 6	D	58.1	B-223- 6	A	58.4	B-224- 6	A	58.8
B-222- 7	D	58.1	B-223- 7	D	58.4	B-224- 7	D	58.8
B-222- 8	D	58.1	B-223- 8	D	58.4	B-224- 8	D	58.7

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (26)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-225- 1	A	61.4	B-226- 1	A	62.1	B-227- 1	D	62.9
B-225- 2	A	60.0	B-226- 2	D	61.0	B-227- 2	A	62.0
B-225- 3	A	60.0	B-226- 3	A	60.0	B-227- 3	A	60.0
B-225- 4	A	9.3	B-226- 4	A	59.1	B-227- 4	A	60.0
B-225- 5	A	9.3	B-226- 5	A	59.7	B-227- 5	A	60.0
B-225- 6	A	9.1	B-226- 6	A	59.4	B-227- 6	A	59.7
B-225- 7	A	9.1	B-226- 7	D	59.4	B-227- 7	D	59.7
B-225- 8	D	9.1	B-226- 8	D	59.4	B-227- 8	D	59.7
B-225- 9	D	59.0	B-226- 9	D	59.4	B-227- 9	D	59.7

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-228- 1	A	63.6	B-229- 1	A	64.3	B-230- 1	A	65.0
B-228- 2	A	63.0	B-229- 2	D	64.0	B-230- 2	D	65.0
B-228- 3	D	61.7	B-229- 3	D	63.3	B-230- 3	D	65.0
B-228- 4	A	61.7	B-229- 4	D	63.3	B-230- 4	D	65.0
B-228- 5	A	60.0	B-229- 5	D	61.7	B-230- 5	D	63.3
B-228- 6	A	60.0	B-229- 6	D	61.7	B-230- 6	D	63.3
B-228- 7	D	66.0	B-229- 7	D	61.3	B-230- 7	D	62.5
B-228- 8	D	60.0	B-229- 8	D	61.3	B-230- 8	D	62.5
B-228- 9	D	60.0	B-229- 9	D	61.3	B-230- 9	A	62.5
						B-230-10	D	61.7

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-231- 1	D	66.3	B-232- 1	D	67.5	B-233- 1	D	68.8
B-231- 2	D	66.3	B-232- 2	D	67.5	B-233- 2	D	68.8
B-231- 3	D	66.3	B-232- 3	D	67.5	B-233- 3	D	68.8
B-231- 4	D	65.0	B-232- 4	D	66.3	B-233- 4	D	67.5
B-231- 5	D	65.0	B-232- 5	D	65.7	B-233- 5	D	66.4
B-231- 6	D	65.0	B-232- 6	D	65.0	B-233- 6	D	65.6
B-231- 7	D	63.8	B-232- 7	A	65.0	B-233- 7	D	65.8
B-231- 8	D	63.8	B-232- 8	A	65.0	B-233- 8	D	66.0
B-231- 9	D	63.8	B-232- 9	A	65.0	B-233- 9	A	66.0
B-231-10	D	63.3	B-232-10	A	65.0	B-233-10	A	66.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (27)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-234- 1	A	70.0	B-235- 1	A	71.0	B-236- 1	D	72.0
B-234- 2	A	70.0	B-235- 2	A	71.0	B-236- 2	D	72.0
B-234- 3	D	70.0	B-235- 3	A	70.0	B-236- 3	D	70.7
B-234- 4	D	68.6	B-235- 4	A	70.0	B-236- 4	A	70.0
B-234- 5	D	67.1	B-235- 5	D	67.9	B-236- 5	B	68.6
B-234- 6	D	66.3	B-235- 6	D	66.9	B-236- 6	B	67.5
B-234- 7	D	66.7	B-235- 7	A	67.5	B-236- 7	A	68.3
B-234- 8	D	67.0	B-235- 8	A	68.0	B-236- 8	A	69.0
B-234- 9	A	67.0	B-235- 9	A	68.0	B-236- 9	A	69.0
B-234-10	D	67.0	B-235-10	A	68.0	B-236-10	D	69.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-237- 1	D	73.0	B-238- 1	D	74.0	B-239- 1	A	75.0
B-237- 2	A	73.0	B-238- 2	A	74.0	B-239- 2	A	75.0
B-237- 3	A	71.4	B-238- 3	A	72.1	B-239- 3	A	72.9
B-237- 4	A	70.0	B-238- 4	A	70.0	B-239- 4	B	71.0
B-237- 5	D	69.3	B-238- 5	D	70.0	B-239- 5	D	70.0
B-237- 6	A	68.1	B-238- 6	D	68.8	B-239- 6	A	69.4
B-237- 7	A	69.2	B-238- 7	A	70.0	B-239- 7	D	70.0
B-237- 8	D	70.0	B-238- 8	D	70.0	B-239- 8	D	70.3
B-237- 9	D	70.0	B-238- 9	A	70.6	B-239- 9	D	71.1
B-237-10	D	70.0	B-238-10	A	70.6	B-239-10	A	71.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-240- 1	B	78.3	B-241- 1	B	80.0	B-242- 1	B	81.3
B-240- 2	B	78.3	B-241- 2	B	80.0	B-242- 2	B	80.0
B-240- 3	B	75.0	B-241- 3	B	75.0	B-242- 3	B	77.5
B-240- 4	B	74.3	B-241- 4	B	75.0	B-242- 4	B	75.0
B-240- 5	B	73.0	B-241- 5	D	74.0	B-242- 5	D	75.0
B-240- 6	A	71.0	B-241- 6	A	72.0	B-242- 6	D	73.0
B-240- 7	A	70.6	B-241- 7	A	71.3	B-242- 7	D	71.9
B-240- 8	D	70.4	B-241- 8	D	70.6	B-242- 8	B	71.2
B-240- 9	D	70.7	B-241- 9	A	71.0	B-242- 9	A	71.3
B-240-10	D	71.7	B-241-10	A	72.2	B-242-10	A	72.8

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (28)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-243- 1	E	82.5	B-244- 1	D	83.8	B-245- 1	B	85.0
B-243- 2	G	80.6	B-244- 2	D	81.7	B-245- 2	D	82.5
B-243- 3	F	80.0	B-244- 3	D	80.0	B-245- 3	B	80.0
B-243- 4	D	76.7	B-244- 4	D	78.3	B-245- 4	B	80.0
B-243- 5	A	75.6	B-244- 5	B	75.0	B-245- 5	D	75.3
B-243- 6	A	74.0	B-244- 6	B	75.0	B-245- 6	B	75.0
B-243- 7	D	72.5	B-244- 7	A	73.1	B-245- 7	B	73.8
B-243- 8	D	71.5	B-244- 8	D	71.9	B-245- 8	D	72.3
B-243- 9	A	71.7	B-244- 9	D	72.0	B-245- 9	D	73.3
B-243-10	A	73.3	B-244-10	A	73.9	B-245-10	A	74.4

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-246- 1	B	86.3	B-247- 1	D	86.3	B-248- 1	B	86.3
B-246- 2	B	85.0	B-247- 2	B	85.0	B-248- 2	D	85.0
B-246- 3	D	83.3	B-247- 3	A	83.3	B-248- 3	A	83.3
B-246- 4	D	81.7	B-247- 4	D	81.7	B-248- 4	D	81.7
B-246- 5	D	80.0	B-247- 5	D	80.0	B-248- 5	D	80.0
B-246- 6	D	75.5	B-247- 6	D	75.8	B-248- 6	A	76.0
B-246- 7	D	75.0	B-247- 7	D	75.0	B-248- 7	D	75.3
B-246- 8	B	74.4	B-247- 8	A	75.0	B-248- 8	D	75.0
B-246- 9	D	72.7	B-247- 9	B	73.1	B-248- 9	D	73.5
B-246-10	A	72.7	B-247-10	A	73.0	B-248-10	A	73.3
B-246-11	D	75.0	B-247-11	D	75.0	B-248-11	D	75.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-249- 1	B	86.3	B-250- 1	B	86.3	B-251- 1	D	86.3
B-249- 2	D	85.0	B-250- 2	B	85.0	B-251- 2	B	85.0
B-249- 3	A	83.3	B-250- 3	B	83.3	B-251- 3	D	83.3
B-249- 4	D	81.7	B-250- 4	B	81.7	B-251- 4	D	81.7
B-249- 5	D	80.0	B-250- 5	D	80.0	B-251- 5	D	80.0
B-249- 6	A	76.3	B-250- 6	A	76.5	B-251- 6	D	76.8
B-249- 7	D	75.6	B-250- 7	D	75.8	B-251- 7	D	76.1
B-249- 8	D	75.0	B-250- 8	D	75.0	B-251- 8	D	75.0
B-249- 9	D	73.8	B-250- 9	A	74.2	B-251- 9	D	74.6
B-249-10	A	73.7	B-250-10	D	74.0	B-251-10	D	74.3
B-249-11	D	75.0				B-251-11	D	75.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (29)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-252- 1	D	87.5	B-253- 1	B	87.5	B-254- 1	B	87.5
B-252- 2	D	86.3	B-253- 2	B	86.3	B-254- 2	B	86.3
B-252- 3	B	85.0	B-253- 3	B	85.0	B-254- 3	B	85.0
B-252- 4	D	83.3	B-253- 4	B	83.3	B-254- 4	B	83.3
B-252- 5	D	81.7	B-253- 5	B	81.7	B-254- 5	D	81.7
B-252- 6	D	80.0	B-253- 6	D	80.0	B-254- 6	D	80.0
B-252- 7	A	77.0	B-253- 7	A	77.3	B-254- 7	D	77.5
B-252- 8	A	76.4	B-253- 8	A	76.7	B-254- 8	D	76.9
B-252- 9	D	75.0	B-253- 9	A	75.4	B-254- 9	A	75.7
B-252-10	D	75.0	B-253-10	D	75.0	B-254-10	D	75.4
B-252-11	D	74.7	B-253-11	D	75.0	B-254-11	D	75.4
B-252-12	B	75.0	B-253-12	B	75.0	B-254-12	D	75.4

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-255- 1	A	87.5	B-256- 1	A	87.5	B-257- 1	D	87.5
B-255- 2	A	86.3	B-256- 2	A	86.3	B-257- 2	B	86.3
B-255- 3	D	85.0	B-256- 3	D	85.0	B-257- 3	A	85.0
B-255- 4	D	82.5	B-256- 4	D	82.5	B-257- 4	A	82.5
B-255- 5	D	80.0	B-256- 5	D	80.0	B-257- 5	D	80.0
B-255- 6	D	80.0	B-256- 6	D	79.0	B-257- 6	D	79.2
B-255- 7	A	77.6	B-256- 7	A	78.0	B-257- 7	A	78.3
B-255- 8	D	77.2	B-256- 8	D	77.5	B-257- 8	A	77.8
B-255- 9	A	76.1	B-256- 9	D	76.4	B-257- 9	D	76.8
B-255-10	A	75.7	B-256-10	A	76.1	B-257-10	A	76.4
B-255-11	D	75.7	B-256-11	D	76.1	B-257-11	A	76.4
B-255-12	A	75.7	B-256-12	D	76.1	B-257-12	A	76.4

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-258- 1	D	87.5	B-259- 1	A	87.5	B-260- 1	B	88.8
B-258- 2	D	86.3	B-259- 2	A	86.3	B-260- 2	A	87.5
B-258- 3	B	85.0	B-259- 3	A	85.0	B-260- 3	A	86.3
B-258- 4	B	80.0	B-259- 4	A	80.0	B-260- 4	D	85.0
B-258- 5	A	80.0	B-259- 5	D	79.6	B-260- 5	D	80.0
B-258- 6	D	79.3	B-259- 6	D	79.2	B-260- 6	A	80.0
B-258- 7	A	78.5	B-259- 7	D	78.8	B-260- 7	A	79.5
B-258- 8	A	78.1	B-259- 8	D	78.3	B-260- 8	A	79.0
B-258- 9	D	77.1	B-259- 9	D	77.5	B-260- 9	A	78.6
B-258-10	D	76.8	B-259-10	A	77.1	B-260-10	D	77.9
B-258-11	A	76.8	B-259-11	A	77.1	B-260-11	A	77.5
B-258-12	D	76.8	B-259-12	D	77.1	B-260-12	A	77.5
						B-260-13	D	77.5

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (30)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-261- 1	E	88.8	B-262- 1	B	88.8	B-263- 1	A	88.8
B-261- 2	E	87.5	B-262- 2	B	87.5	B-263- 2	B	87.5
B-261- 3	E	86.3	B-262- 3	D	86.3	B-263- 3	A	86.3
B-261- 4	D	85.0	B-262- 4	D	85.0	B-263- 4	A	85.0
B-261- 5	D	82.5	B-262- 5	D	82.5	B-263- 5	A	83.3
B-261- 6	A	80.0	B-262- 6	D	80.0	B-263- 6	D	81.7
B-261- 7	D	79.7	B-262- 7	D	80.0	B-263- 7	D	80.0
B-261- 8	D	79.3	B-262- 8	D	79.5	B-263- 8	A	79.8
B-261- 9	D	78.9	B-262- 9	D	79.2	B-263- 9	D	79.4
B-261-10	D	78.2	B-262-10	D	78.6	B-263-10	D	78.9
B-261-11	A	77.9	B-262-11	D	78.2	B-263-11	D	78.6
B-261-12	D	77.9	B-262-12	A	78.2	B-263-12	A	78.6
B-261-13	D	77.9	B-262-13	D	78.2	B-263-13	A	78.6

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-264- 1	A	88.3	B-265- 1	B	88.3	B-266- 1	D	88.3
B-264- 2	A	86.7	B-265- 2	A	86.7	B-266- 2	D	86.7
B-264- 3	A	85.0	B-265- 3	D	85.0	B-266- 3	B	85.0
B-264- 4	A	85.0	B-265- 4	D	84.0	B-266- 4	D	84.1
B-264- 5	D	83.3	B-265- 5	D	83.0	B-266- 5	D	83.2
B-264- 6	D	81.7	B-265- 6	A	82.0	B-266- 6	A	82.3
B-264- 7	A	80.0	B-265- 7	A	81.0	B-266- 7	A	81.4
B-264- 8	A	80.0	B-265- 8	D	80.0	B-266- 8	A	80.5
B-264- 9	D	79.7	B-265- 9	D	80.0	B-266- 9	D	80.0
B-264-10	D	79.3	B-265-10	D	79.6	B-266-10	B	80.0
B-264-11	A	78.9	B-265-11	D	79.3	B-266-11	D	79.6
B-264-12	A	78.9	B-265-12	A	79.3	B-266-12	D	79.6
B-264-13	A	78.9	B-265-13	A	79.3	B-266-13	A	79.6

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-267- 1	A	87.5	B-268- 1	A	87.5	B-269- 1	D	85.0
B-267- 2	D	85.0	B-268- 2	D	85.0	B-269- 2	D	85.0
B-267- 3	D	85.0	B-268- 3	D	84.4	B-269- 3	D	84.5
B-267- 4	A	84.2	B-268- 4	A	83.8	B-269- 4	D	84.0
B-267- 5	A	83.4	B-268- 5	A	83.3	B-269- 5	D	83.5
B-267- 6	D	82.6	B-268- 6	D	82.7	B-269- 6	B	83.0
B-267- 7	D	81.8	B-268- 7	D	82.1	B-269- 7	D	82.5
B-267- 8	D	81.0	B-268- 8	D	81.5	B-269- 8	D	82.0
B-267- 9	D	80.7	B-268- 9	D	81.4	B-269- 9	A	82.1
B-267-10	D	80.0	B-268-10	B	81.0	B-269-10	B	82.0
B-267-11	D	80.0	B-268-11	B	80.0	B-269-11	D	81.7
B-267-12	D	80.0	B-268-12	D	80.0	B-269-12	D	81.7
B-267-13	D	80.0	B-268-13	D	81.3	B-269-13	A	82.5

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (31)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-270- 1	A	85.0	B-271- 1	A	85.0	B-272- 1	A	85.0
B-270- 2	A	84.6	B-271- 2	A	84.7	B-272- 2	D	84.8
B-270- 3	A	84.3	B-271- 3	A	84.4	B-272- 3	D	84.6
B-270- 4	D	83.9	B-271- 4	D	84.1	B-272- 4	A	84.4
B-270- 5	D	83.6	B-271- 5	A	83.9	B-272- 5	D	84.1
B-270- 6	E	83.2	B-271- 6	D	83.6	B-272- 6	D	83.9
B-270- 7	D	82.9	B-271- 7	D	83.3	B-272- 7	D	83.7
B-270- 8	A	82.5	B-271- 8	A	83.0	B-272- 8	D	83.5
B-270- 9	A	82.9	B-271- 9	D	83.6	B-272- 9	D	84.3
B-270-10	B	83.0	B-271-10	A	84.0	B-272-10	A	85.0
B-270-11	D	83.3	B-271-11	B	85.0	B-272-11	B	85.0
B-270-12	D	83.3	B-271-12	D	85.0	B-272-12	D	84.5
B-270-13	A	83.8	B-271-13	D	85.0	B-272-13	A	84.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-273- 1	D	85.0	B-274- 1	D	85.0	B-275- 1	A	84.5
B-273- 2	D	84.9	B-274- 2	D	84.5	B-275- 2	D	85.0
B-273- 3	A	84.7	B-274- 3	B	84.0	B-275- 3	B	84.5
B-273- 4	A	84.6	B-274- 4	A	84.0	B-275- 4	B	84.0
B-273- 5	D	84.4	B-274- 5	A	84.0	B-275- 5	D	84.0
B-273- 6	A	84.3	B-274- 6	D	84.0	B-275- 6	A	84.0
B-273- 7	A	84.1	B-274- 7	A	84.0	B-275- 7	A	84.0
B-273- 8	A	84.0				B-275- 8	A	84.0
B-273- 9	A	85.0				B-275- 9	A	84.0
B-273-10	D	85.0						
B-273-11	D	84.5						
B-273-12	D	84.0						
B-273-13	A	84.0						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-276- 1	A	84.5	B-277- 1	A	84.5	B-278- 1	D	84.5
B-276- 2	A	84.5	B-277- 2	D	84.5	B-278- 2	D	84.5
B-276- 3	D	85.0	B-277- 3	D	84.0	B-278- 3	D	84.0
B-276- 4	D	84.5	B-277- 4	A	84.5	B-278- 4	A	84.0
B-276- 5	D	84.0	B-277- 5	D	85.0	B-278- 5	D	84.0
B-276- 6	D	84.0	B-277- 6	D	84.5	B-278- 6	D	85.0
B-276- 7	D	84.0	B-277- 7	E	84.0	B-278- 7	D	85.0
B-276- 8	A	84.0	B-277- 8	B	84.0	B-278- 8	E	84.5
B-276- 9	A	84.0	B-277- 9	D	84.0	B-278- 9	B	84.5
B-276-10	A	84.0	B-277-10	D	84.0	B-278-10	D	84.0
			B-277-11	A	84.0	B-278-11	D	84.0
			B-277-12	A	84.0	B-278-12	D	84.0
						B-278-13	D	84.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (32)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-279- 1	D	84.5	B-280- 1	A	85.1	B-281- 1	D	84.0
B-279- 2	D	84.5	B-280- 2	A	85.0	B-281- 2	B	84.0
B-279- 3	D	84.5	B-280- 3	D	84.5	B-281- 3	D	84.0
B-279- 4	A	84.0	B-280- 4	D	84.5	B-281- 4	D	84.0
B-279- 5	A	84.0	B-280- 5	A	84.0	B-281- 5	D	84.0
B-279- 6	D	84.0	B-280- 6	D	84.0	B-281- 6	D	84.0
B-279- 7	D	84.5	B-280- 7	D	84.0			
B-279- 8	D	85.0	B-280- 8	D	84.5			
B-279- 9	B	85.0	B-280- 9	B	84.5			
B-279-10	B	85.0	B-280-10	B	85.0			
B-279-11	A	84.5	B-280-11	D	85.0			
B-279-12	D	84.0	B-280-12	D	85.0			
B-279-13	D	84.0	B-280-13	D	85.0			
B-279-14	A	84.0	B-280-14	A	85.0			
			B-280-15	A	85.0			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B- 0- 1	E	84.0	B-283- 1	A	84.5	B-284- 1	D	85.0
B- 0- 2	B	84.0	B-283- 2	D	84.5	B-284- 2	D	85.0
B- 0- 3	B	84.0	B-283- 3	D	84.5	B-284- 3	D	85.0
B- 0- 4	D	84.0	B-283- 4	E	84.5	B-284- 4	D	85.0
B- 0- 5	B	84.0	B-283- 5	D	84.5	B-284- 5	E	85.0
B- 0- 6	D	84.0	B-283- 6	B	84.5	B-284- 6	D	85.0
B- 0- 7	D	84.0	B-283- 7	B	84.5	B-284- 7	D	85.0
			B-283- 8	B	84.5	B-284- 8	B	85.0
			B-283- 9	D	84.5	B-284- 9	B	85.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
B-285- 1	A	86.0	B-286- 1	A	87.0	B-287- 1	D	88.0
B-285- 2	A	86.0	B-286- 2	A	87.0	B-287- 2	A	88.0
B-285- 3	D	86.0	B-286- 3	D	87.0	B-287- 3	D	88.0
B-285- 4	B	86.0	B-286- 4	D	87.0	B-287- 4	D	88.0
B-285- 5	D	86.0	B-286- 5	D	87.0	B-287- 5	D	88.0
B-285- 6	E	86.0	B-286- 6	E	87.0	B-287- 6	E	88.0
B-285- 7	D	86.0	B-286- 7	D	87.0	B-287- 7	D	88.0
B-285- 8	D	86.0	B-286- 8	D	87.0	B-287- 8	D	88.0
B-285- 9	B	86.0	B-286- 9	B	87.0	B-287- 9	B	88.0
B-285-10	B	86.0	B-286-10	B	87.0	B-287-10	D	88.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS ([illegible])

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
8-2[illegible]- 1	[illegible]	[illegible]	8-2[illegible]- 1	[illegible]	[illegible]	8-2[illegible]- 1	A	[illegible]
8-2[illegible]- 2	A	[illegible]	8-2[illegible]- 2	[illegible]	[illegible]	8-2[illegible]- 2	A	[illegible]
8-2[illegible]- 3	[illegible]	[illegible]	8-2[illegible]- 3	A	[illegible]	8-2[illegible]- 3	[illegible]	[illegible]
8-2[illegible]- 4	[illegible]	[illegible]	8-2[illegible]- 4	[illegible]	[illegible]	8-2[illegible]- 4	[illegible]	[illegible]
8-2[illegible]- 5	[illegible]	[illegible]	8-2[illegible]- 5	[illegible]	[illegible]	8-2[illegible]- 5	[illegible]	[illegible]
8-2[illegible]- 6	[illegible]	[illegible]	8-2[illegible]- 6	[illegible]	[illegible]	8-2[illegible]- 6	[illegible]	[illegible]
8-2[illegible]- 7	[illegible]	[illegible]	8-2[illegible]- 7	[illegible]	[illegible]	8-2[illegible]- 7	[illegible]	[illegible]
8-2[illegible]- 8	[illegible]	[illegible]	8-2[illegible]- 8	[illegible]	[illegible]	8-2[illegible]- 8	[illegible]	[illegible]
8-2[illegible]- 9	[illegible]	[illegible]	8-2[illegible]- 9	[illegible]	[illegible]	8-2[illegible]- 9	[illegible]	[illegible]
8-2[illegible]-10	[illegible]	[illegible]						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
8-251- 1	[illegible]	91.[illegible]	8-252- 1	A	92.4	8-253- 1	A	93.2
8-251- 2	[illegible]	91.[illegible]	8-252- 2	A	92.4	8-253- 2	[illegible]	93.2
8-251- 3	[illegible]	91.[illegible]	8-252- 3	[illegible]	92.4	8-253- 3	[illegible]	93.2
8-251- 4	[illegible]	91.[illegible]	8-252- 4	[illegible]	92.4	8-253- 4	[illegible]	93.2
8-251- 5	[illegible]	91.[illegible]	8-252- 5	[illegible]	92.4	8-253- 5	[illegible]	93.2
8-251- 6	[illegible]	91.[illegible]	8-252- 6	[illegible]	92.4	8-253- 6	[illegible]	93.2
8-251- 7	[illegible]	91.[illegible]	8-252- 7	[illegible]	92.4	8-253- 7	[illegible]	93.2
8-251- 8	[illegible]	91.[illegible]	8-252- 8	[illegible]	92.4			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
4- [illegible]- 1	A	43.2	4- 1- 1	A	42.4	4- 2- 1	A	42.9
4- [illegible]- 2	A	43.[illegible]	4- 1- 2	D	43.2	4- 2- 2	A	42.9
			4- 1- 3	A	43.3	4- 2- 3	[illegible]	43.3
			4- 1- 4	A	43.3	4- 2- 4	[illegible]	43.5
						4- 2- 5	A	43.3
						4- 2- 6	A	44.3

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (34)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
K- 3- 1	D	43.0	K- 4- 1	D	43.8	K- 5- 1	D	44.3
K- 3- 2	A	43.4	K- 4- 2	A	43.5	K- 5- 2	D	43.4
K- 3- 3	A	43.5	K- 4- 3	A	43.8	K- 5- 3	A	43.3
K- 3- 4	D	43.4	K- 4- 4	D	43.7	K- 5- 4	D	43.4
K- 3- 5	A	43.5	K- 4- 5	A	43.8	K- 5- 5	A	45.3
K- 3- 6	A	44.0	K- 4- 6	A	43.9	K- 5- 6	A	44.1
K- 3- 7	A	44.4	K- 4- 7	A	44.3	K- 5- 7	A	43.6
K- 3- 8	A	45.0	K- 4- 8	A	44.9	K- 5- 8	A	44.8
			K- 4- 9	A	45.4	K- 5- 9	A	44.6
						K- 5-10	A	45.0
						K- 5-11	A	45.0
						K- 5-12	A	45.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
K- 6- 1	D	45.1	K- 7- 1	D	45.2	K- 8- 1	D	
K- 6- 2	D	44.3	K- 7- 2	D	44.9	K- 8- 2	A	44.8
K- 6- 3	A	43.9	K- 7- 3	D	44.4	K- 8- 3	A	45.1
K- 6- 4	D	43.7	K- 7- 4	A	44.2	K- 8- 4	A	44.5
K- 6- 5	D	43.7	K- 7- 5	D	43.9	K- 8- 5	D	44.3
K- 6- 6	D	43.7	K- 7- 6	A	44.0	K- 8- 6	A	44.4
K- 6- 7	D	44.3	K- 7- 7	D	44.1	K- 8- 7	D	44.6
K- 6- 8	D	44.0	K- 7- 8	D	44.2	K- 8- 8	A	44.5
K- 6- 9	A	44.3	K- 7- 9	A	44.5	K- 8- 9	A	45.5
K- 6-10	A	44.5	K- 7-10	A	44.5	K- 8-10	A	45.0
K- 6-11	A	44.8	K- 7-11	A	44.9	K- 8-11	A	45.4
K- 6-12	A	44.9	K- 7-12	A	44.7	K- 8-12	A	45.6
K- 6-13	A	45.7	K- 7-13	A	44.3	K- 8-13	A	45.8
			K- 7-14	A	45.6	K- 8-14	A	45.8
			K- 7-15	A	45.9	K- 8-15	A	46.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
K- 9- 1	A	.	K- 10- 1	D	.	K- 11- 1	A	.
K- 9- 2	D	45.6	K- 10- 2	D	46.6	K- 11- 2	A	46.7
K- 9- 3	A	45.9	K- 10- 3	D	46.4	K- 11- 3	A	46.5
K- 9- 4	A	45.6	K- 10- 4	D	45.8	K- 11- 4	D	45.2
K- 9- 5	A	44.9	K- 10- 5	D	45.4	K- 11- 5	D	45.7
K- 9- 6	A	44.6	K- 10- 6	D	45.1	K- 11- 6	A	45.4
K- 9- 7	D	44.9	K- 10- 7	D	45.4	K- 11- 7	A	45.5
K- 9- 8	A	44.6	K- 10- 8	D	45.2	K- 11- 8	A	45.4
K- 9- 9	A	45.3	K- 10- 9	A	45.7	K- 11- 9	A	45.2
K- 9-10	D	45.3	K- 10-10	A	45.2	K- 11-10	A	45.3
K- 9-11	A	45.4	K- 10-11	A	45.3	K- 11-11	A	45.6
K- 9-12	A	45.6	K- 10-12	A	45.5	K- 11-12	A	45.7
K- 9-13	A	45.3	K- 10-13	A	45.5	K- 11-13	A	45.8
K- 9-14	A	45.7	K- 10-14	A	46.0	K- 11-14	A	45.8
K- 9-15	A	46.2	K- 10-15	A	46.2	K- 11-15	A	45.9
K- 9-16	A	46.3	K- 10-16	A	46.2	K- 11-16	A	46.2

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (35)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
K- 12- 1	D	.	K- 13- 1	D	.	K- 14- 1	D	.
K- 12- 2	D	46.8	K- 13- 2	A	47.0	K- 14- 2	D	47.2
K- 12- 3	A	46.4	K- 13- 3	A	46.6	K- 14- 3	D	46.7
K- 12- 4	A	46.1	K- 13- 4	A	45.9	K- 14- 4	D	46.1
K- 12- 5	D	45.5	K- 13- 5	A	45.7	K- 14- 5	A	46.1
K- 12- 6	D	45.5	K- 13- 6	D	45.7	K- 14- 6	A	46.0
K- 12- 7	D	45.4	K- 13- 7	A	45.5	K- 14- 7	A	46.1
K- 12- 8	A	45.9	K- 13- 8	A	46.2	K- 14- 8	A	46.5
K- 12- 9	A	46.3	K- 13- 9	A	45.5	K- 14- 9	A	46.1
K- 12-10	A	45.9	K- 13-10	A	45.6	K- 14-10	A	46.3
K- 12-11	D	46.0	K- 13-11	D	46.1	K- 14-11	A	46.5
K- 12-12	A	46.2	K- 13-12	D	46.3	K- 14-12	A	46.9
K- 12-13	A	46.4	K- 13-13	A	46.4	K- 14-13	A	47.2
K- 12-14	A	46.4	K- 13-14	A	46.9	K- 14-14	A	47.5
K- 12-15	A	46.4	K- 13-15	A	47.1	K- 14-15	A	47.6
K- 12-16	A	46.4	K- 13-16	A	47.3	K- 14-16	A	47.9

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
K- 15- 1	D	.	K- 16- 1	A	.	K- 17- 1	D	.
K- 15- 2	D	47.2	K- 16- 2	D	.	K- 17- 2	D	.
K- 15- 3	D	46.7	K- 16- 3	D	47.2	K- 17- 3	D	.
K- 15- 4	D	46.3	K- 16- 4	D	46.6	K- 17- 4	A	.
K- 15- 5	D	46.2	K- 16- 5	D	46.8	K- 17- 5	A	.
K- 15- 6	D	46.1	K- 16- 6	D	46.8	K- 17- 6	A	47.4
K- 15- 7	A	46.8	K- 16- 7	A	46.3	K- 17- 7	A	47.3
K- 15- 8	A	47.0	K- 16- 8	A	47.0	K- 17- 8	A	46.9
K- 15- 9	A	46.5	K- 16- 9	A	47.2	K- 17- 9	B	48.0
K- 15-10	A	46.9	K- 16-10	A	47.5	K- 17-10	A	48.1
K- 15-11	A	47.1	K- 16-11	A	47.6	K- 17-11	A	47.2
K- 15-12	A	47.2	K- 16-12	A	48.2	K- 17-12	A	49.3
K- 15-13	A	47.7	K- 16-13	A	48.2	K- 17-13	A	49.0
K- 15-14	A	48.0	K- 16-14	A	48.5	K- 17-14	A	50.3
K- 15-15	A	48.4	K- 16-15	A	49.5	K- 17-15	A	50.6
K- 15-16	A	49.4						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 1- 1	D	41.5	W- 2- 1	A	41.6	W- 3- 1	D	42.0
W- 1- 2	A	41.5	W- 2- 2	A	41.6	W- 3- 2	A	42.0
W- 1- 3	A	41.5	W- 2- 3	D	41.6	W- 3- 3	D	42.0
W- 1- 4	D	41.5	W- 2- 4	D	41.6	W- 3- 4	D	42.0
W- 1- 5	D	41.4	W- 2- 5	D	41.7	W- 3- 5	D	42.0
W- 1- 6	A	41.4	W- 2- 6	A	41.7	W- 3- 6	A	42.0
W- 1- 7	A	41.4	W- 2- 7	A	41.7	W- 3- 7	A	42.0
W- 1- 8	A	41.4	W- 2- 8	A	41.7	W- 3- 8	D	42.0
W- 1- 9	B	41.4	W- 2- 9	B	41.7	W- 3- 9	D	42.0
W- 1-10	B	41.4	W- 2-10	B	41.7	W- 3-10	B	42.0
			W- 2-11	A	41.7	W- 3-11	A	42.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (36)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 4- 1	D	42.2	W- 5- 1	A	42.4	W- 6- 1	A	42.6
W- 4- 2	A	42.2	W- 5- 2	A	42.4	W- 6- 2	D	42.6
W- 4- 3	D	42.2	W- 5- 3	D	42.4	W- 6- 3	D	42.6
W- 4- 4	A	42.1	W- 5- 4	D	42.3	W- 6- 4	A	42.4
W- 4- 5	D	42.1	W- 5- 5	A	42.2	W- 6- 5	D	42.3
W- 4- 6	A	42.0	W- 5- 6	A	42.1	W- 6- 6	A	42.1
W- 4- 7	A	42.0	W- 5- 7	D	42.0	W- 6- 7	D	42.0
W- 4- 8	A	42.0	W- 5- 8	D	42.0	W- 6- 8	D	42.0
W- 4- 9	D	42.0	W- 5- 9	A	41.9	W- 6- 9	A	41.9
W- 4-10	D	42.0	W- 5-10	A	41.9	W- 6-10	A	41.9
W- 4-11	B	42.0	W- 5-11	B	42.1	W- 6-11	B	42.1
W- 4-12	A	42.1	W- 5-12	B	42.1	W- 6-12	B	42.2

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 7- 1	D	42.8	W- 8- 1	A	43.0	W- 9- 1	A	43.2
W- 7- 2	A	42.8	W- 8- 2	D	43.0	W- 9- 2	D	43.2
W- 7- 3	A	42.8	W- 8- 3	A	43.0	W- 9- 3	A	43.2
W- 7- 4	A	42.5	W- 8- 4	A	42.6	W- 9- 4	D	42.8
W- 7- 5	B	42.3	W- 8- 5	B	43.4	W- 9- 5	A	42.5
W- 7- 6	D	42.1	W- 8- 6	A	42.2	W- 9- 6	A	42.2
W- 7- 7	A	42.0	W- 8- 7	A	42.0	W- 9- 7	A	42.0
W- 7- 8	A	42.0	W- 8- 8	D	42.0	W- 9- 8	A	42.0
W- 7- 9	A	41.8	W- 8- 9	A	41.8	W- 9- 9	A	41.8
W- 7-10	D	41.8	W- 8-10	D	41.8	W- 9-10	D	41.8
W- 7-11	B	42.2	W- 8-11	B	42.2	W- 9-11	B	42.3
W- 7-12	A	42.3	W- 8-12	A	42.3	W- 9-12	A	42.4
			W- 8-13	A	42.3	W- 9-13	A	42.7

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 10- 1	D	43.4	W- 11- 1	D	43.5	W- 12- 1	D	43.7
W- 10- 2	A	43.4	W- 11- 2	A	43.5	W- 12- 2	A	43.7
W- 10- 3	A	43.4	W- 11- 3	A	43.5	W- 12- 3	A	43.2
W- 10- 4	B	42.9	W- 11- 4	B	43.0	W- 12- 4	B	43.8
W- 10- 5	B	42.6	W- 11- 5	A	42.7	W- 12- 5	A	42.3
W- 10- 6	D	42.2	W- 11- 6	A	42.2	W- 12- 6	A	41.9
W- 10- 7	A	41.9	W- 11- 7	A	41.9	W- 12- 7	D	41.9
W- 10- 8	A	41.9	W- 11- 8	A	41.9	W- 12- 8	A	41.6
W- 10- 9	A	41.7	W- 11- 9	A	41.7	W- 12- 9	A	41.6
W- 10-10	D	41.7	W- 11-10	D	41.7	W- 12-10	D	42.4
W- 10-11	A	42.3	W- 11-11	B	42.3	W- 12-11	B	42.6
W- 10-12	A	42.1	W- 11-12	A	42.5	W- 12-12	A	43.7
W- 10-13	A	43.0	W- 11-13	A	43.4	W- 12-13	A	42.6

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS ([illegible])

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
[illegible]- 13- 1	[illegible]	43.[illegible]	[illegible]- 14- 1	A	44.1	[illegible]- 15- 1	A	44.[illegible]
[illegible]- 13- 2	[illegible]	43.[illegible]	[illegible]- 14- 2	[illegible]	44.1	[illegible]- 15- 2	A	43.5
[illegible]- 13- 3	[illegible]	[illegible]	[illegible]- 14- 3	A	43.4	[illegible]- 15- 3	[illegible]	43.[illegible]
[illegible]- 13- 4	[illegible]	42.[illegible]	[illegible]- 14- 4	[illegible]	42.[illegible]	[illegible]- 15- 4	[illegible]	42.4
[illegible]- 13- 5	[illegible]	43.3	[illegible]- 14- 5	A	42.3	[illegible]- 15- 5	[illegible]	4[illegible].[illegible]
[illegible]- 13- 6	[illegible]	4[illegible].[illegible]	[illegible]- 14- 6	[illegible]	4[illegible].[illegible]	[illegible]- 15- 6	A	43.[illegible]
[illegible]- 13- 7	[illegible]	4[illegible].[illegible]	[illegible]- 14- 7	[illegible]	4[illegible].[illegible]	[illegible]- 15- 7	A	43.5
[illegible]- 13- 8	[illegible]	4[illegible].[illegible]	[illegible]- 14- 8	[illegible]	41.5	[illegible]- 15- 8	[illegible]	41.5
[illegible]- 13- 9	[illegible]	4[illegible].[illegible]	[illegible]- 14- 9	[illegible]	41.5	[illegible]- 15- 9	A	42.[illegible]
[illegible]- 13-10	A	42.[illegible]	[illegible]- 14-10	[illegible]	42.5	[illegible]- 15-10	A	43.[illegible]
[illegible]- 13-11	[illegible]	42.[illegible]	[illegible]- 14-11	A	42.[illegible]	[illegible]- 15-11	A	44.[illegible]
[illegible]- 13-12	[illegible]	44.[illegible]	[illegible]- 14-12	[illegible]	44.5	[illegible]- 15-12	A	44.[illegible]
[illegible]- 13-13	[illegible]	44.[illegible]	[illegible]- 14-13	[illegible]	44.5			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
[illegible]- 16- 1	[illegible]	44.[illegible]	[illegible]- 17- 1	[illegible]	44.[illegible]	[illegible]- 18- 1	[illegible]	44.4
[illegible]- 16- 2	[illegible]	44.[illegible]	[illegible]- 17- 2	[illegible]	44.7	[illegible]- 18- 2	A	44.4
[illegible]- 16- 3	[illegible]	43.[illegible]	[illegible]- 17- 3	[illegible]	44.7	[illegible]- 18- 3	[illegible]	44.[illegible]
[illegible]- 16- 4	[illegible]	43.[illegible]	[illegible]- 17- 4	[illegible]	43.[illegible]	[illegible]- 18- 4	A	43.7
[illegible]- 16- 5	[illegible]	42.4	[illegible]- 17- 5	[illegible]	43.2	[illegible]- 18- 5	A	42.7
[illegible]- 16- 6	A	4[illegible].[illegible]	[illegible]- 17- 6	[illegible]	42.4	[illegible]- 18- 6	A	42.7
[illegible]- 16- 7	A	4[illegible].[illegible]	[illegible]- 17- 7	[illegible]	4[illegible].[illegible]	[illegible]- 18- 7	[illegible]	42.[illegible]
[illegible]- 16- 8	[illegible]	4[illegible].[illegible]	[illegible]- 17- 8	[illegible]	43.[illegible]	[illegible]- 18- 8	[illegible]	42.5
[illegible]- 16- 9	[illegible]	4[illegible].[illegible]	[illegible]- 17- 9	A	42.3	[illegible]- 18- 9	[illegible]	43.[illegible]
[illegible]- 16-10	[illegible]	43.[illegible]	[illegible]- 17-10	[illegible]	43.[illegible]	[illegible]- 18-10	[illegible]	42.[illegible]
[illegible]- 16-11	[illegible]	42.[illegible]	[illegible]- 17-11	A	43.2	[illegible]- 18-11	[illegible]	42.[illegible]
[illegible]- 16-12	A	43.[illegible]	[illegible]- 17-12	[illegible]	43.[illegible]	[illegible]- 18-12	A	43.5
[illegible]- 16-13	A	45.[illegible]	[illegible]- 17-13	[illegible]	45.[illegible]	[illegible]- 18-13	A	45.[illegible]
			[illegible]- 17-14	A	45.[illegible]	[illegible]- 18-14	A	45.[illegible]
						[illegible]- 18-15	A	46.1

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
[illegible]- 19- 1	[illegible]	45.7	[illegible]- 20- 1	A	43.4	[illegible]- 21- 1	A	43.4
[illegible]- 19- 2	[illegible]	45.[illegible]				[illegible]- 21- 2	A	43.4
[illegible]- 19- 3	[illegible]	44.7				[illegible]- 21- 3	[illegible]	44.6
[illegible]- 19- 4	[illegible]	44.[illegible]				[illegible]- 21- 4	[illegible]	44.4
[illegible]- 19- 5	[illegible]	44.2						
[illegible]- 19- 6	[illegible]	44.[illegible]						
[illegible]- 19- 7	[illegible]	44.2						
[illegible]- 19- 8	[illegible]	43.5						
[illegible]- 19- 9	[illegible]	43.[illegible]						
[illegible]- 19-10	[illegible]	42.[illegible]						
[illegible]- 19-11	[illegible]	43.[illegible]						
[illegible]- 19-12	A	43.[illegible]						
[illegible]- 19-13	A	43.[illegible]						
[illegible]- 19-14	A	43.[illegible]						
[illegible]- 19-15	A	4[illegible].[illegible]						
[illegible]- 19-16	A	4[illegible].[illegible]						
[illegible]- 19-17	A	4[illegible].[illegible]						

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (38)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 22- 1	D	43.8	W- 23- 1	A	44.6	W- 24- 1	A	45.5
W- 22- 2	A	44.1	W- 23- 2	A	44.2	W- 24- 2	A	44.6
W- 22- 3	A	44.6	W- 23- 3	A	44.1	W- 24- 3	A	44.2
W- 22- 4	D	44.3	W- 23- 4	A	44.5	W- 24- 4	A	45.1
W- 22- 5	A	47.0	W- 23- 5	A	44.8	W- 24- 5	A	45.3
W- 22- 6	A	47.5	W- 23- 6	A	46.1	W- 24- 6	A	45.9
			W- 23- 7	A	47.5	W- 24- 7	A	47.5
			W- 23- 8	A	47.5	W- 24- 8	A	48.7

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 25- 1	A	45.5	W- 26- 1	A	45.5	W- 27- 1	A	46.4
W- 25- 2	A	45.1	W- 26- 2	D	45.8	W- 27- 2	D	46.2
W- 25- 3	A	45.0	W- 26- 3	A	45.3	W- 27- 3	A	45.8
W- 25- 4	A	45.0	W- 26- 4	A	45.3	W- 27- 4	D	46.0
W- 25- 5	A	45.6	W- 26- 5	A	45.7	W- 27- 5	A	45.8
W- 25- 6	A	45.9	W- 26- 6	A	46.4	W- 27- 6	D	45.7
W- 25- 7	A	46.9	W- 26- 7	A	46.8	W- 27- 7	A	46.2
W- 25- 8	A	47.5	W- 26- 8	A	47.5	W- 27- 8	D	45.0
W- 25- 9	A	49.6	W- 26- 9	A	49.2	W- 27- 9	A	47.3
						W- 27-10	A	47.5
						W- 27-11	A	49.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 28- 1	A	46.0	W- 29- 1	D	46.8	W- 30- 1	A	46.5
W- 28- 2	A	46.3	W- 29- 2	A	46.5	W- 30- 2	A	47.3
W- 28- 3	A	46.3	W- 29- 3	D	46.7	W- 30- 3	A	46.8
W- 28- 4	A	46.3	W- 29- 4	A	46.9	W- 30- 4	A	47.1
W- 28- 5	A	46.1	W- 29- 5	A	46.6	W- 30- 5	A	46.4
W- 28- 6	A	46.1	W- 29- 6	A	46.6	W- 30- 6	A	46.8
W- 28- 7	A	46.8	W- 29- 7	D	46.5	W- 30- 7	A	46.8
W- 28- 8	D	47.5	W- 29- 8	A	47.2	W- 30- 8	A	47.0
W- 28- 9	A	47.0	W- 29- 9	A	45.0	W- 30- 9	A	47.6
W- 28-10	A	47.5	W- 29-10	A	47.5	W- 30-10	A	47.5
W- 28-11	D	48.5	W- 29-11	A	48.8	W- 30-11	A	47.5
			W- 29-12	A	49.5	W- 30-12	A	48.5
						W- 30-13	A	49.5

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (39)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 31- 1	A	46.8	W- 32- 1	D	47.3	W- 33- 1	A	47.5
W- 31- 2	A	46.7	W- 32- 2	A	47.0	W- 33- 2	A	47.6
W- 31- 3	D	47.3	W- 32- 3	D	47.7	W- 33- 3	E	48.1
W- 31- 4	A	47.5	W- 32- 4	A	48.0	W- 33- 4	A	48.1
W- 31- 5	A	47.7	W- 32- 5	A	48.4	W- 33- 5	A	48.2
W- 31- 6	A	47.6	W- 32- 6	D	48.4	W- 33- 6	A	48.9
W- 31- 7	A	47.5	W- 32- 7	A	48.2	W- 33- 7	A	48.5
W- 31- 8	A	47.7	W- 32- 8	A	48.5	W- 33- 8	A	48.7
W- 31- 9	A	47.9	W- 32- 9	A	49.3	W- 33- 9	A	49.5
W- 31-10	A	48.2	W- 32-10	D	49.1	W- 33-10	A	50.0
W- 31-11	D	47.5	W- 32-11	D	48.4	W- 33-11	D	50.0
W- 31-12	A	48.6	W- 32-12	A	49.8	W- 33-12	A	50.0
W- 31-13	B	50.0	W- 32-13	A	50.0	W- 33-13	A	51.6
W- 31-14	A	50.0	W- 32-14	A	50.1	W- 33-14	A	52.3

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 34- 1	A	48.0	W- 35- 1	D	49.4	W- 36- 1	D	50.8
W- 34- 2	A	47.7	W- 35- 2	A	49.7	W- 36- 2	D	50.5
W- 34- 3	A	48.9	W- 35- 3	A	49.5	W- 36- 3	A	50.0
W- 34- 4	A	48.7	W- 35- 4	A	49.5	W- 36- 4	A	50.1
W- 34- 5	A	49.4	W- 35- 5	A	49.7	W- 36- 5	A	50.6
W- 34- 6	D	49.4	W- 35- 6	A	49.9	W- 36- 6	A	50.7
W- 34- 7	A	49.5	W- 35- 7	A	50.0	W- 36- 7	A	50.5
W- 34- 8	A	49.5	W- 35- 8	A	50.2	W- 36- 8	A	50.4
W- 34- 9	A	50.1	W- 35- 9	A	50.5	W- 36- 9	A	50.5
W- 34-10	A	50.6	W- 35-10	D	51.2	W- 36-10	A	52.5
W- 34-11	A	50.1	W- 35-11	A	51.0	W- 36-11	A	52.3
W- 34-12	D	50.0	W- 35-12	D	52.0	W- 36-12	D	52.2
W- 34-13	A	51.6	W- 35-13	A	52.5	W- 36-13	A	52.6
W- 34-14	A	52.3	W- 35-14	A	53.3	W- 36-14	A	53.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 37- 1	D	52.3	W- 38- 1	D	53.4	W- 39- 1	D	54.2
W- 37- 2	A	51.3	W- 38- 2	A	51.8	W- 39- 2	D	52.8
W- 37- 3	A	51.1	W- 38- 3	A	51.7	W- 39- 3	D	54.4
W- 37- 4	D	50.6	W- 38- 4	D	51.4	W- 39- 4	D	52.8
W- 37- 5	A	51.8	W- 38- 5	D	51.7	W- 39- 5	D	53.2
W- 37- 6	A	51.2	W- 38- 6	D	52.3	W- 39- 6	D	52.8
W- 37- 7	A	51.0	W- 38- 7	D	52.5	W- 39- 7	A	52.8
W- 37- 8	A	51.9	W- 38- 8	A	53.0	W- 39- 8	A	53.5
W- 37- 9	D	51.5				W- 39- 9	D	53.3
W- 37-10	D	52.3	W- 38-10	A	53.5	W- 39-10	D	54.0
W- 37-11	D	50.0	W- 38-11	D	52.9	W- 39-11	D	54.1
W- 37-12	A	50.0	W- 38-12	A	52.5	W- 39-12	D	53.3
W- 37-13	A	52.3	W- 38-13	A	52.5	W- 39-13	A	54.8
W- 37-14	A	53.2	W- 38-14	A	53.4	W- 39-14	A	54.6

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (40)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 40- 1	D	55.2	W- 41- 1	A	55.7	W- 42- 1	A	57.2
W- 40- 2	D	54.0	W- 41- 2	D	55.2	W- 42- 2	D	56.0
W- 40- 3	A	53.6	W- 41- 3	D	54.7	W- 42- 3	D	55.3
W- 40- 4	D	53.0	W- 41- 4	D	54.0	W- 42- 4	D	54.3
W- 40- 5	D	52.3	W- 41- 5	A	53.0	W- 42- 5	D	53.7
W- 40- 6	D	53.4	W- 41- 6	A	52.7	W- 42- 6	A	54.0
W- 40- 7	A	52.9	W- 41- 7	A	53.5	W- 42- 7	A	54.0
W- 40- 8	A	53.4	W- 41- 8	D	53.8	W- 42- 8	A	54.6
W- 40- 9	A	53.7	W- 41- 9	A	54.1	W- 42- 9	D	54.9
W- 40-10	D	55.5	W- 41-10	A	55.0	W- 42-10	A	55.0
W- 40-11	D	55.4	W- 41-11	D	56.0	W- 42-11	D	56.0
W- 40-12	D	55.7	W- 41-12	D	56.2	W- 42-12	A	56.3
W- 40-13	D	55.4	W- 41-13	A	55.0	W- 42-13	A	56.3
W- 40-14	D	54.6	W- 41-14	A	55.7	W- 42-14	A	57.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
W- 43- 1	A	58.0	W- 44- 1	D	59.1	W- 45- 1	D	59.4
W- 43- 2	A	56.7	W- 44- 2	D	57.7	W- 45- 2	D	58.4
W- 43- 3	A	56.2	W- 44- 3	A	56.3	W- 45- 3	D	58.1
W- 43- 4	D	55.4	W- 44- 4	A	55.8	W- 45- 4	A	56.5
W- 43- 5	A	54.4	W- 44- 5	D	54.6	W- 45- 5	D	55.1
W- 43- 6	A	54.1	W- 44- 6	D	54.6	W- 45- 6	A	54.9
W- 43- 7	A	54.2	W- 44- 7	A	55.1	W- 45- 7	A	54.9
W- 43- 8	D	55.6	W- 44- 8	A	56.7	W- 45- 8	A	56.5
W- 43- 9	D	56.0	W- 44- 9	D	56.9	W- 45- 9	A	57.4
W- 43-10	A	57.5	W- 44-10	D	57.5	W- 45-10	D	58.6
W- 43-11	D	57.5	W- 44-11	D	57.5	W- 45-11	A	57.5
W- 43-12	D	57.5	W- 44-12	D	58.5	W- 45-12	D	58.2
W- 43-13	D	58.8	W- 44-13	D	60.0	W- 45-13	A	59.8
W- 43-14	A	59.0	W- 44-14	D	60.5	W- 45-14	D	62.8

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 0- 1	D	88.0	N- 1- 1	A	88.0	N- 2- 1	A	88.0
N- 0- 2	D	88.0	N- 1- 2	A	88.0	N- 2- 2	A	87.0
N- 0- 3	A	88.0	N- 1- 3	A	87.3	N- 2- 3	D	86.7
N- 0- 4	A	88.0	N- 1- 4	B	87.3	N- 2- 4	A	86.5
N- 0- 5	A	88.0	N- 1- 5	D	87.3	N- 2- 5	D	86.5
N- 0- 6	A	88.0	N- 1- 6	D	87.3	N- 2- 6	D	86.5
N- 0- 7	A	88.0	N- 1- 7	D	87.3	N- 2- 7	A	86.5
N- 0- 8	A	88.0	N- 1- 8	D	87.3	N- 2- 8	A	86.5
N- 0- 9	A	88.0	N- 1- 9	A	87.4	N- 2- 9	A	86.8
N- 0-10	A	88.0	N- 1-10	A	87.4	N- 2-10	A	86.8
N- 0-11	A	88.0	N- 1-11	A	88.0	N- 2-11	A	88.0
			N- 1-12	A	88.0	N- 2-12	A	92.1
			N- 1-13	A	92.3	N- 2-13	A	92.3
			N- 1-14	D	92.4	N- 2-14	D	92.4

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (41)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 3- 1	D	88.0	N- 4- 1	D	88.0	N- 5- 1	D	88.0
N- 3- 2	D	87.0	N- 4- 2	D	88.0	N- 5- 2	D	87.4
N- 3- 3	D	86.0	N- 4- 3	D	88.0	N- 5- 3	D	86.8
N- 3- 4	D	85.8	N- 4- 4	D	87.0	N- 5- 4	D	86.2
N- 3- 5	A	85.8	N- 4- 5	A	86.0	N- 5- 5	D	85.6
N- 3- 6	D	85.8	N- 4- 6	D	85.0	N- 5- 6	A	85.0
N- 3- 7	D	85.2	N- 4- 7	B	85.0	N- 5- 7	A	84.5
N- 3- 8	A	85.8	N- 4- 8	D	85.0	N- 5- 8	A	84.5
N- 3- 9	A	86.2	N- 4- 9	D	85.0	N- 5- 9	A	84.5
N- 3-10	A	86.2	N- 4-10	D	85.0	N- 5-10	D	85.0
N- 3-11	A	88.0	N- 4-11	A	85.6	N- 5-11	D	85.0
N- 3-12	A	88.0	N- 4-12	A	85.6	N- 5-12	A	85.0
N- 3-13	A	92.1	N- 4-13	A	85.5	N- 5-13	A	85.8
N- 3-14	A	92.3	N- 4-14	A	88.0	N- 5-14	A	86.7
N- 3-15	B	92.4	N- 4-15	A	88.0	N- 5-15	A	87.5
			N- 4-16	A	91.0	N- 5-16	C	88.3
			N- 4-17	A	92.0	N- 5-17	A	89.2
			N- 4-18	A	93.0	N- 5-18	A	90.0
			N- 4-19	D	94.0	N- 5-19	D	91.0
						N- 5-20	D	92.0
						N- 5-21	D	93.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 6- 1	D	88.0	N- 7- 1	B	88.0	N- 8- 1	B	88.0
N- 6- 2	D	87.3	N- 7- 2	D	88.0	N- 8- 2	B	87.0
N- 6- 3	A	86.5	N- 7- 3	D	87.0	N- 8- 3	A	86.0
N- 6- 4	D	85.8	N- 7- 4	A	86.0	N- 8- 4	A	85.0
N- 6- 5	D	85.0	N- 7- 5	D	85.0	N- 8- 5	D	84.5
N- 6- 6	D	85.0	N- 7- 6	D	84.5	N- 8- 6	D	84.0
N- 6- 7	A	84.5	N- 7- 7	D	84.5	N- 8- 7	A	84.0
N- 6- 8	D	84.5	N- 7- 8	D	84.0	N- 8- 8	A	84.0
N- 6- 9	A	84.5	N- 7- 9	D	84.0	N- 8- 9	A	84.0
N- 6-10	A	84.5	N- 7-10	D	84.0	N- 8-10	D	84.0
N- 6-11	A	85.0	N- 7-11	D	84.5	N- 8-11	D	84.0
N- 6-12	A	85.0	N- 7-12	D	84.5	N- 8-12	A	84.0
N- 6-13	A	85.0	N- 7-13	A	84.5	N- 8-13	A	84.5
N- 6-14	A	86.3	N- 7-14	A	85.0	N- 8-14	A	85.0
N- 6-15	A	87.5	N- 7-15	A	85.0	N- 8-15	A	86.7
N- 6-16	C	88.8	N- 7-16	A	86.7	N- 8-16	A	88.3
N- 6-17	A	90.0	N- 7-17	A	88.3	N- 8-17	A	90.0
N- 6-18	A	91.0	N- 7-18	A	90.0	N- 8-18	A	91.0
N- 6-19	A	92.0	N- 7-19	A	91.0	N- 8-19	A	92.0
N- 6-20	D	93.0	N- 7-20	A	92.0	N- 8-20	D	93.0
N- 6-21	D	94.0	N- 7-21	D	93.0	N- 8-21	D	94.0
			N- 7-22	D	94.0			

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 9- 1	D	85.0	N- 10- 1	A	85.0	N- 11- 1	A	85.0
N- 9- 2	A	85.0	N- 10- 2	A	84.5	N- 11- 2	A	85.0
N- 9- 3	A	84.5	N- 10- 3	A	84.0	N- 11- 3	D	84.5
N- 9- 4	D	84.0	N- 10- 4	D	84.0	N- 11- 4	A	84.0
N- 9- 5	D	84.0	N- 10- 5	A	84.0	N- 11- 5	D	84.0
N- 9- 6	D	84.0	N- 10- 6	D	84.0	N- 11- 6	A	84.0
N- 9- 7	D	84.0	N- 10- 7	D	84.0	N- 11- 7	A	84.5
N- 9- 8	D	84.0	N- 10- 8	D	84.5	N- 11- 8	A	84.5
N- 9- 9	D	84.0	N- 10- 9	D	84.5	N- 11- 9	D	85.0
N- 9-10	D	84.5	N- 10-10	D	85.0	N- 11-10	A	85.0
N- 9-11	A	85.0	N- 10-11	D	85.0	N- 11-11	A	85.0
N- 9-12	D	85.0	N- 10-12	D	86.7	N- 11-12	A	86.3
N- 9-13	D	86.7	N- 10-13	A	88.3	N- 11-13	D	87.5
N- 9-14	A	88.3	N- 10-14	D	90.0	N- 11-14	D	88.8
N- 9-15	A	90.0	N- 10-15	D	90.0	N- 11-15	A	90.0
N- 9-16	A	91.1	N- 10-16	D	91.1	N- 11-16	D	90.8
N- 9-17	D	91.2	N- 10-17	D	91.2	N- 11-17	A	91.7
						N- 11-18	D	92.5

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (42)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 12- 1	D	85.0	N- 13- 1	D	85.0	N- 14- 1	A	85.0
N- 12- 2	D	85.0	N- 13- 2	A	84.5	N- 14- 2	D	84.5
N- 12- 3	A	84.5	N- 13- 3	D	84.0	N- 14- 3	D	84.0
N- 12- 4	D	84.0	N- 13- 4	D	84.0	N- 14- 4	D	84.0
N- 12- 5	A	84.0	N- 13- 5	D	84.0	N- 14- 5	D	84.0
N- 12- 6	A	84.0	N- 13- 6	D	84.0	N- 14- 6	A	84.5
N- 12- 7	D	84.0	N- 13- 7	A	84.5	N- 14- 7	D	85.0
N- 12- 8	A	84.5	N- 13- 8	A	85.0	N- 14- 8	A	85.0
N- 12- 9	A	85.0	N- 13- 9	A	85.0	N- 14- 9	A	85.6
N- 12-10	D	85.0	N- 13-10	A	85.7	N- 14-10	A	86.3
N- 12-11	A	85.6	N- 13-11	D	86.4	N- 14-11	D	86.9
N- 12-12	A	86.7	N- 13-12	D	87.1	N- 14-12	D	87.5
N- 12-13	A	87.5	N- 13-13	A	87.9	N- 14-13	D	88.1
N- 12-14	D	88.3	N- 13-14	A	88.6	N- 14-14	D	88.8
N- 12-15	A	89.6	N- 13-15	A	89.3	N- 14-15	D	89.4
N- 12-16	A	90.0	N- 13-16	A	90.0	N- 14-16	D	90.0
N- 12-17	A	90.8	N- 13-17	A	90.8	N- 14-17	D	90.8
N- 12-18	A	91.7	N- 13-18	A	91.7	N- 14-18	A	91.7
N- 12-19	A	92.5	N- 13-19	D	92.5	N- 14-19	A	92.5
			N- 13-20	D	93.3	N- 14-20	D	93.3
			N- 13-21	D	94.2	N- 14-21	D	94.2
			N- 13-22	D	95.0	N- 14-22	D	95.0
			N- 13-23	A	95.6	N- 14-23	B	96.4
						N- 14-24	B	96.8

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 15- 1	D	85.0	N- 16- 1	D	85.0	N- 17- 1	D	85.0
N- 15- 2	D	84.5	N- 16- 2	D	84.5	N- 17- 2	D	84.5
N- 15- 3	A	84.0	N- 16- 3	A	84.0	N- 17- 3	A	84.0
N- 15- 4	A	84.0	N- 16- 4	A	84.0	N- 17- 4	A	84.0
N- 15- 5	A	84.0	N- 16- 5	D	84.0	N- 17- 5	A	84.0
N- 15- 6	D	84.5	N- 16- 6	D	84.5	N- 17- 6	D	84.0
N- 15- 7	A	85.0	N- 16- 7	D	85.0	N- 17- 7	D	85.0
N- 15- 8	D	85.6	N- 16- 8	D	85.0	N- 17- 8	D	85.5
N- 15- 9	D	86.1	N- 16- 9	A	85.6	N- 17- 9	A	86.0
N- 15-10	D	86.7	N- 16-10	A	86.1	N- 17-10	A	86.0
N- 15-11	A	87.2	N- 16-11	A	86.7	N- 17-11	A	86.5
N- 15-12	A	87.8	N- 16-12	D	87.2	N- 17-12	D	87.0
N- 15-13	A	88.3	N- 16-13	A	87.8	N- 17-13	D	87.5
N- 15-14	A	88.9	N- 16-14	A	88.3	N- 17-14	D	88.0
N- 15-15	D	89.4	N- 16-15	A	88.9	N- 17-15	A	88.5
N- 15-16	A	90.0	N- 16-16	A	89.4	N- 17-16	D	89.0
N- 15-17	D	90.8	N- 16-17	D	90.0	N- 17-17	D	89.5
N- 15-18	A	91.7	N- 16-18	A	90.8	N- 17-18	D	90.0
N- 15-19	D	92.5	N- 16-19	A	91.7	N- 17-19	D	90.8
N- 15-20	A	93.3	N- 16-20	D	92.5	N- 17-20	A	91.7
N- 15-21	A	94.2	N- 16-21	B	93.3	N- 17-21	D	92.5
N- 15-22	A	95.0	N- 16-22	B	94.2	N- 17-22	A	93.3
N- 15-23	D	95.5	N- 16-23	B	95.0	N- 17-23	A	94.2
N- 15-24	A	95.9	N- 16-24	B	95.5	N- 17-24	D	95.0
N- 15-25	A	96.4	N- 16-25	B	95.9	N- 17-25	A	95.5
N- 15-26	B	96.8	N- 16-26	D	96.4	N- 17-26	A	96.0
N- 15-27	B	96.8	N- 16-27	D	96.8	N- 17-27	A	96.5

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 18- 1	E	85.0	N- 19- 1	D	85.0	N- 20- 1	E	85.0
N- 18- 2	D	85.0	N- 19- 2	D	85.0	N- 20- 2	D	84.5
N- 18- 3	A	85.0	N- 19- 3	D	85.0	N- 20- 3	A	84.5
N- 18- 4	A	85.0	N- 19- 4	A	84.5	N- 20- 4	D	84.0
N- 18- 5	A	84.5	N- 19- 5	C	84.5	N- 20- 5	A	84.0
N- 18- 6	A	84.0	N- 19- 6	C	84.5	N- 20- 6	C	84.0
N- 18- 7	A	84.0	N- 19- 7	E	84.0	N- 20- 7	C	84.0
N- 18- 8	A	84.0	N- 19- 8	A	84.0	N- 20- 8	E	84.0
N- 18- 9	A	84.5	N- 19- 9	A	84.0	N- 20- 9	A	84.0
N- 18-10	A	85.0	N- 19-10	D	84.0	N- 20-10	A	84.0
N- 18-11	D	85.6	N- 19-11	E	84.5	N- 20-11	A	84.5
N- 18-12	A	86.1	N- 19-12	D	85.0	N- 20-12	D	85.0
N- 18-13	A	86.7	N- 19-13	D	85.6	N- 20-13	D	85.7
N- 18-14	E	87.2	N- 19-14	A	86.3	N- 20-14	D	86.4
N- 18-15	D	87.8	N- 19-15	A	86.9	N- 20-15	A	87.1
N- 18-16	A	88.3	N- 19-16	A	87.5	N- 20-16	A	87.9
N- 18-17	A	88.9	N- 19-17	A	88.1	N- 20-17	A	88.6
N- 18-18	A	89.4	N- 19-18	A	88.8	N- 20-18	A	89.3
N- 18-19	A	90.0	N- 19-19	A	89.4	N- 20-19	A	90.0
N- 18-20	A	90.0	N- 19-20	A	90.0	N- 20-20	D	90.0
N- 18-21	A	90.8	N- 19-21	A	90.0	N- 20-21	D	90.6
N- 18-22	A	91.7	N- 19-22	D	90.7	N- 20-22	D	91.3
N- 18-23	D	92.5	N- 19-23	A	91.4	N- 20-23	D	91.9
N- 18-24	D	93.3	N- 19-24	D	92.1	N- 20-24	D	92.5
N- 18-25	D	94.2	N- 19-25	D	92.9	N- 20-25	B	93.1
N- 18-26	A	95.0	N- 19-26	B	93.6	N- 20-26	B	93.8
N- 18-27	A	95.5	N- 19-27	D	94.3	N- 20-27	B	94.4
N- 18-28	A	96.0	N- 19-28	E	95.0	N- 20-28	B	95.0
N- 18-29	A	96.5	N- 19-29	E	95.5	N- 20-29	B	95.5
N- 18-30	A	97.0	N- 19-30	A	96.0	N- 20-30	B	96.0
			N- 19-31	D	96.5	N- 20-31	B	96.5
			N- 19-32	A	97.0	N- 20-32	B	97.0
						N- 20-33	B	97.0

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (43)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 21- 1	D	85.0	N- 22- 1	D	85.0	N- 23- 1	D	85.0
N- 21- 2	E	84.5	N- 22- 2	A	84.5	N- 23- 2	D	84.5
N- 21- 3	E	84.0	N- 22- 3	A	84.0	N- 23- 3	D	84.0
N- 21- 4	A	84.0	N- 22- 4	D	84.0	N- 23- 4	A	84.0
N- 21- 5	A	84.0	N- 22- 5	A	84.0	N- 23- 5	A	84.0
N- 21- 6	C	84.0	N- 22- 6	E	84.0	N- 23- 6	A	84.0
N- 21- 7	C	84.0	N- 22- 7	C	84.0	N- 23- 7	C	84.0
N- 21- 8	E	84.0	N- 22- 8	C	84.0	N- 23- 8	C	84.0
N- 21- 9	E	84.0	N- 22- 9	C	84.0	N- 23- 9	C	84.0
N- 21-10	A	84.0	N- 22-10	A	84.0	N- 23-10	A	84.0
N- 21-11	D	84.0	N- 22-11	A	84.0	N- 23-11	A	84.0
N- 21-12	D	84.5	N- 22-12	A	84.5	N- 23-12	D	84.5
N- 21-13	A	85.0	N- 22-13	A	85.0	N- 23-13	D	85.0
N- 21-14	D	85.7	N- 22-14	D	85.8	N- 23-14	A	86.0
N- 21-15	D	86.4	N- 22-15	D	86.7	N- 23-15	D	87.0
N- 21-16	D	87.1	N- 22-16	D	87.5	N- 23-16	D	88.0
N- 21-17	D	87.9	N- 22-17	A	88.3	N- 23-17	A	89.0
N- 21-18	D	88.6	N- 22-18	D	89.2	N- 23-18	A	90.0
N- 21-19	D	89.3	N- 22-19	A	90.0	N- 23-19	A	90.0
N- 21-20	D	90.0	N- 22-20	D	90.0	N- 23-20	E	90.3
N- 21-21	D	90.5	N- 22-21	D	90.5	N- 23-21	B	97.0
N- 21-22	D	91.0	N- 22-22	D	90.9			
N- 21-23	D	91.4	N- 22-23	B	96.0			
N- 21-24	B	95.5	N- 22-24	B	96.5			
N- 21-25	B	96.0	N- 22-25	D	97.0			
N- 21-26	B	96.5						
N- 21-27	B	97.0						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 24- 1	D	85.0	N- 25- 1	A	85.0	N- 26- 1	E	85.0
N- 24- 2	D	84.5	N- 25- 2	A	84.5	N- 26- 2	E	84.5
N- 24- 3	D	84.0	N- 25- 3	A	84.0	N- 26- 3	D	84.0
N- 24- 4	A	84.0	N- 25- 4	D	84.0	N- 26- 4	D	84.0
N- 24- 5	A	84.0	N- 25- 5	D	84.0	N- 26- 5	A	84.0
N- 24- 6	A	84.0	N- 25- 6	A	84.0	N- 26- 6	D	84.0
N- 24- 7	A	84.0	N- 25- 7	A	84.0	N- 26- 7	D	84.0
N- 24- 8	E	84.0	N- 25- 8	B	84.0	N- 26- 8	E	84.0
N- 24- 9	E	84.0	N- 25- 9	D	84.0	N- 26- 9	E	84.0
N- 24-10	E	84.0	N- 25-10	B	84.0	N- 26-10	E	84.0
N- 24-11	A	84.0	N- 25-11	A	84.0	N- 26-11	E	84.0
N- 24-12	A	84.5	N- 25-12	A	84.5	N- 26-12	D	84.5
N- 24-13	A	85.0	N- 25-13	A	85.0	N- 26-13	D	85.0
N- 24-14	D	86.0	N- 25-14	A	86.3	N- 26-14	D	86.3
N- 24-15	A	87.0	N- 25-15	A	87.5	N- 26-15	D	87.5
N- 24-16	A	88.0	N- 25-16	D	88.8	N- 26-16	D	88.8
N- 24-17	D	89.0	N- 25-17	D	90.0	N- 26-17	A	90.0
N- 24-18	D	90.0	N- 25-18	A	90.0	N- 26-18	A	90.1
N- 24-19	D	90.2	N- 25-19	A	90.1	N- 26-19	A	90.2
			N- 25-20	D	90.2	N- 26-20	E	90.2

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 27- 1	D	84.0	N- 28- 1	D	84.0	N- 29- 1	D	84.0
N- 27- 2	D	84.0	N- 28- 2	D	84.0	N- 29- 2	D	84.0
N- 27- 3	E	84.0	N- 28- 3	B	84.0	N- 29- 3	E	84.0
N- 27- 4	E	84.0	N- 28- 4	A	84.0	N- 29- 4	E	84.0
N- 27- 5	D	84.0	N- 28- 5	A	84.0	N- 29- 5	E	84.0
N- 27- 6	D	84.0	N- 28- 6	D	84.0	N- 29- 6	A	84.0
N- 27- 7	E	84.0	N- 28- 7	D	84.0	N- 29- 7	A	84.0
N- 27- 8	E	84.0	N- 28- 8	A	84.5	N- 29- 8	A	84.0
N- 27- 9	D	84.0	N- 28- 9	A	85.0	N- 29- 9	D	84.0
N- 27-10	A	84.5	N- 28-10	A	86.3	N- 29-10	D	84.5
N- 27-11	A	85.0	N- 28-11	A	87.5	N- 29-11	D	85.0
N- 27-12	A	86.3	N- 28-12	A	88.8	N- 29-12	D	86.3
N- 27-13	A	87.5				N- 29-13	A	87.5
N- 27-14	A	88.8				N- 29-14	A	88.8
N- 27-15	A	90.0				N- 29-15	A	90.0
N- 27-16	A	90.1				N- 29-16	A	90.1
N- 27-17	D	90.1						

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (44)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 30- 1	E	84.0	N- 31- 1	E	84.0	N- 32- 1	A	84.0
N- 30- 2	D	84.0	N- 31- 2	A	84.0	N- 32- 2	A	84.0
N- 30- 3	E	84.0	N- 31- 3	A	84.0	N- 32- 3	A	84.0
N- 30- 4	A	84.0	N- 31- 4	A	84.0	N- 32- 4	D	84.0
N- 30- 5	E	84.0	N- 31- 5	A	84.0	N- 32- 5	E	84.0
N- 30- 6	A	84.0	N- 31- 6	A	84.0	N- 32- 6	A	84.0
N- 30- 7	D	84.0	N- 31- 7	E	84.0	N- 32- 7	A	84.0
N- 30- 8	E	84.0	N- 31- 8	E	84.0	N- 32- 8	E	84.0
N- 30- 9	D	84.0	N- 31- 9	A	84.5	N- 32- 9	D	84.5
N- 30-10	D	84.5	N- 31-10	A	85.0	N- 32-10	D	85.0
N- 30-11	D	85.0	N- 31-11	D	86.3	N- 32-11	A	86.7
N- 30-12	E	86.3	N- 31-12	D	87.5	N- 32-12	A	88.3
N- 30-13	D	87.5	N- 31-13	D	88.8	N- 32-13	A	90.0
N- 30-14	D	88.8	N- 31-14	A	90.0	N- 32-14	D	90.0
N- 30-15	A	90.0	N- 31-15	D	90.1	N- 32-15	D	90.1
N- 30-16	A	90.1						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 33- 1	A	84.0	N- 34- 1	D	84.0	N- 35- 1	A	84.0
N- 33- 2	A	84.0	N- 34- 2	D	84.0	N- 35- 2	A	84.0
N- 33- 3	A	84.0	N- 34- 3	A	84.0	N- 35- 3	A	84.0
N- 33- 4	A	84.0	N- 34- 4	A	84.0	N- 35- 4	A	84.0
N- 33- 5	D	84.0	N- 34- 5	E	84.0	N- 35- 5	D	84.0
N- 33- 6	E	84.0	N- 34- 6	E	84.0	N- 35- 6	D	84.0
N- 33- 7	E	84.0	N- 34- 7	D	84.5	N- 35- 7	D	84.5
N- 33- 8	E	84.0	N- 34- 8	A	84.5	N- 35- 8	D	84.5
N- 33- 9	A	84.5	N- 34- 9	A	85.0	N- 35- 9	A	85.0
N- 33-10	D	85.0	N- 34-10	A	86.7	N- 35-10	A	86.7
N- 33-11	D	86.7	N- 34-11	A	88.3	N- 35-11	A	88.3
N- 33-12	D	88.3	N- 34-12	A	90.0	N- 35-12	D	90.0
N- 33-13	D	90.0	N- 34-13	A	90.1			
N- 33-14	D	90.1	N- 34-14	D	90.1			
N- 33-15	D	90.1						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 36- 1	D	84.0	N- 37- 1	A	84.0	N- 38- 1	A	84.0
N- 36- 2	D	84.0	N- 37- 2	A	84.0	N- 38- 2	A	84.0
N- 36- 3	D	84.0	N- 37- 3	A	84.0	N- 38- 3	A	84.0
N- 36- 4	D	84.0	N- 37- 4	A	84.0	N- 38- 4	D	84.0
N- 36- 5	D	84.0	N- 37- 5	A	84.0	N- 38- 5	D	84.0
N- 36- 6	D	84.5	N- 37- 6	A	84.5	N- 38- 6	D	84.5
N- 36- 7	A	85.0	N- 37- 7	A	85.0	N- 38- 7	A	85.0
N- 36- 8	A	85.0	N- 37- 8	D	86.3	N- 38- 8	A	86.3
N- 36- 9	A	86.7	N- 37- 9	D	87.5	N- 38- 9	D	87.5
N- 36-10	A	88.3	N- 37-10	D	88.8	N- 38-10	D	88.8
N- 36-11	A	90.0	N- 37-11	A	90.0	N- 38-11	D	90.0
N- 36-12	A	90.1	N- 37-12	A	90.1			
N- 36-13	D	90.1	N- 37-13	A	90.1			

LIST OF MESH DATA FOR FLOOD DAMAGE ANALYSIS (45)

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 39- 1	A	84.0	N- 40- 1	D	84.0	N- 41- 1	A	84.0
N- 39- 2	D	84.0	N- 40- 2	D	84.0	N- 41- 2	A	84.0
N- 39- 3	D	84.0	N- 40- 3	D	84.0	N- 41- 3	A	84.0
N- 39- 4	A	84.0	N- 40- 4	A	84.0	N- 41- 4	A	84.0
N- 39- 5	A	84.5	N- 40- 5	A	84.5	N- 41- 5	A	84.5
N- 39- 6	A	85.0	N- 40- 6	D	85.0	N- 41- 6	A	85.0
N- 39- 7	A	86.3	N- 40- 7	D	86.3	N- 41- 7	D	86.3
N- 39- 8	D	87.5	N- 40- 8	D	87.5	N- 41- 8	D	87.5
N- 39- 9	D	88.8	N- 40- 9	D	88.8	N- 41- 9	D	88.8
N- 39-10	D	90.0	N- 40-10	D	90.0	N- 41-10	D	90.0

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)
N- 42- 1	A	84.0	N- 43- 1	A	84.0	N- 44- 1	A	84.0
N- 42- 2	A	84.0	N- 43- 2	A	84.0	N- 44- 2	A	84.0
N- 42- 3	A	84.0	N- 43- 3	A	84.5	N- 44- 3	A	84.5
N- 42- 4	A	84.5	N- 43- 4	A	85.0	N- 44- 4	A	85.0
N- 42- 5	A	85.0	N- 43- 5	A	86.3	N- 44- 5	D	86.3
N- 42- 6	D	86.3	N- 43- 6	D	87.5	N- 44- 6	D	86.7
N- 42- 7	D	87.5	N- 43- 7	D	88.8	N- 44- 7	D	88.8
N- 42- 8	D	88.8	N- 43- 8	D	90.0	N- 44- 8	D	90.0
N- 42- 9	D	90.0						

MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)	MESH NO.	LAND USE	ELEVATION (M)

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 1984 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	71430.	72430.	73700.	75080.	75500.	76680.	
INUNDATION DEPTH (M)	1.74	1.85	1.93	2.02	2.11	2.19	
CROP DAMAGE							
- PADDY	22920.	23114.	23351.	23777.	24023.	23324.	
- UPLAND CROP	1171.	1185.	1198.	1242.	1245.	1269.	
BUILDING							
- HOUSE (URBAN)	9680.	10069.	10396.	10840.	11151.	11668.	
- HOUSE (RURAL)	4746.	4978.	5127.	5353.	5513.	5763.	
- COMMERCIAL SECTOR	13320.	13828.	14219.	14758.	15155.	15745.	
- INDUSTRY	30204.	31413.	32351.	33778.	34700.	36291.	
- HOTEL & STORE	10223.	10656.	10954.	11390.	11706.	12183.	
HOUSEHOLD EFFECT							
- HOUSE (URBAN)	3911.	4154.	4322.	4582.	4771.	5050.	
- HOUSE (RURAL)	5084.	5429.	5633.	5960.	6217.	6583.	
- COMMERCIAL SECTOR	7738.	8134.	8370.	8749.	9029.	9388.	
- INDUSTRY	1360.	1417.	1465.	1534.	1581.	1654.	
- HOTEL & STORE	1360.	1436.	1480.	1553.	1605.	1674.	
FISH POND	2890.	2890.	3060.	3060.	3094.	3094.	
INFRA-STRUCTURE	34382.	35611.	36578.	37973.	38937.	40106.	
INDIRECT COST	14699.	15431.	15850.	16455.	16873.	17379.	
TOTAL	163688.	169745.	174354.	181004.	185600.	191171.	
ANNUAL MEAN DAMAGE							124433.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 1985 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	71430.	72430.	73700.	75080.	75500.	76680.	
INUNDATION DEPTH (M)	1.74	1.85	1.93	2.02	2.11	2.19	
CROP DAMAGE							
- PADDY	24082.	24286.	24535.	24982.	25241.	24507.	
- UPLAND CROP	1211.	1225.	1239.	1284.	1287.	1312.	
BUILDING							
- HOUSE (URBAN)	10106.	10513.	10854.	11318.	11642.	12182.	
- HOUSE (RURAL)	4879.	5118.	5271.	5503.	5668.	5925.	
- COMMERCIAL SECTOR	13882.	14412.	14819.	15381.	15795.	16409.	
- INDUSTRY	31479.	32739.	33716.	35203.	36164.	37823.	
- HOTEL & STORE	10706.	11159.	11471.	11928.	12259.	12758.	
HOUSEHOLD EFFECT							
- HOUSE (URBAN)	4080.	4333.	4508.	4780.	4977.	5268.	
- HOUSE (RURAL)	5221.	5576.	5785.	6121.	6385.	6761.	
- COMMERCIAL SECTOR	7988.	8397.	8641.	9032.	9321.	9692.	
- INDUSTRY	1461.	1522.	1574.	1648.	1698.	1777.	
- HOTEL & STORE	1439.	1519.	1566.	1643.	1698.	1771.	
FISH POND	2945.	2945.	3118.	3118.	3152.	3152.	
INFRA-STRUCTURE	35844.	37123.	38129.	39582.	40586.	41801.	
INDIRECT COST	15532.	16087.	16523.	17152.	17587.	18114.	
TOTAL	170855.	176953.	181749.	188676.	193462.	199251.	
ANNUAL MEAN DAMAGE							129718.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 1990

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			30838.	31099.	31418.	31991.	32322.	31382.
- UPLAND CROP			1431.	1448.	1464.	1518.	1522.	1551.
BUILDING								
- HOUSE (URBAN)			12537.	13041.	13465.	14040.	14442.	15112.
- HOUSE (RURAL)			5602.	5876.	6052.	6319.	6508.	6803.
- COMMERCIAL SECTOR			17069.	17720.	18221.	18912.	19421.	20177.
- INDUSTRY			38706.	40255.	41457.	43286.	44467.	46506.
- HOTEL & STORE			13485.	14056.	14449.	15024.	15441.	16070.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			5039.	5352.	5568.	5903.	6147.	6506.
- HOUSE (RURAL)			5966.	6371.	6611.	6994.	7296.	7725.
- COMMERCIAL SECTOR			9367.	9847.	10132.	10591.	10930.	11365.
- INDUSTRY			2090.	2178.	2252.	2358.	2430.	2542.
- HOTEL & STORE			1908.	2015.	2076.	2179.	2252.	2348.
FISH POND			3234.	3234.	3424.	3424.	3462.	3462.
INFRA-STRUCTURE			44182.	45747.	46977.	48761.	49992.	51465.
INDIRECT COST			19145.	19824.	20357.	21130.	21663.	22301.
TOTAL			210600.	218063.	223922.	232430.	238294.	245315.
ANNUAL MEAN DAMAGE								159865.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 1995

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			39489.	39824.	40232.	40966.	41390.	40185.
- UPLAND CROP			1692.	1712.	1731.	1794.	1798.	1833.
BUILDING								
- HOUSE (URBAN)			15553.	16178.	16703.	17417.	17916.	18747.
- HOUSE (RURAL)			6433.	6747.	6949.	7255.	7472.	7811.
- COMMERCIAL SECTOR			20988.	21789.	22405.	23254.	23880.	24809.
- INDUSTRY			47592.	49497.	50975.	53224.	54676.	57183.
- HOTEL & STORE			16985.	17704.	18199.	18924.	19449.	20241.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			6223.	6610.	6878.	7291.	7592.	8036.
- HOUSE (RURAL)			6817.	7280.	7553.	7992.	8337.	8827.
- COMMERCIAL SECTOR			10984.	11546.	11881.	12419.	12816.	13326.
- INDUSTRY			2991.	3116.	3222.	3374.	3477.	3638.
- HOTEL & STORE			2530.	2671.	2753.	2889.	2986.	3114.
FISH POND			3551.	3551.	3760.	3760.	3802.	3802.
INFRA-STRUCTURE			54548.	56467.	57972.	60167.	61677.	63466.
INDIRECT COST			23638.	24469.	25121.	26073.	26727.	27502.
TOTAL			260014.	269162.	276334.	286798.	293995.	302521.
ANNUAL MEAN DAMAGE								197339.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2000 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			19294.	20069.	20721.	21606.	22226.	23256.
- HOUSE (RURAL)			7386.	7747.	7979.	8331.	8580.	8969.
- COMMERCIAL SECTOR			25807.	26791.	27549.	28593.	29362.	30505.
- INDUSTRY			58519.	60861.	62678.	65443.	67230.	70312.
- HOTEL & STORE			21393.	22299.	22923.	23835.	24497.	25495.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			7687.	8164.	8494.	9005.	9377.	9925.
- HOUSE (RURAL)			7790.	8318.	8631.	9132.	9526.	10087.
- COMMERCIAL SECTOR			12680.	13539.	13932.	14562.	15028.	15626.
- INDUSTRY			4279.	4459.	4610.	4827.	4975.	5205.
- HOTEL & STORE			3354.	3542.	3650.	3830.	3959.	4129.
FISH POND			3899.	3899.	4129.	4129.	4175.	4175.
INFRA-STRUCTURE			67457.	69813.	71658.	74362.	76218.	78393.
INDIRECT COST			29231.	30252.	31052.	32224.	33028.	33970.
TOTAL			321543.	332773.	341570.	354459.	363306.	373672.
ANNUAL MEAN DAMAGE								243994.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2005 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			24054.	25021.	25834.	26937.	27710.	28995.
- HOUSE (RURAL)			8399.	8810.	9074.	9474.	9757.	10199.
- COMMERCIAL SECTOR			31301.	32495.	33414.	34681.	35614.	37000.
- INDUSTRY			69281.	72054.	74206.	77479.	79594.	83243.
- HOTEL & STORE			25328.	26401.	27139.	28219.	29002.	30184.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			9541.	10134.	10544.	11178.	11639.	12320.
- HOUSE (RURAL)			8820.	9418.	9772.	10339.	10785.	11420.
- COMMERCIAL SECTOR			15652.	16453.	16931.	17697.	18264.	18990.
- INDUSTRY			5285.	5507.	5694.	5962.	6144.	6428.
- HOTEL & STORE			3948.	4169.	4296.	4508.	4659.	4860.
FISH POND			4257.	4257.	4507.	4507.	4557.	4557.
INFRA-STRUCTURE			77530.	80321.	82492.	85668.	87856.	90547.
INDIRECT COST			33597.	34806.	35747.	37123.	38071.	39237.
TOTAL			369562.	382866.	393213.	408352.	418779.	431605.
ANNUAL MEAN DAMAGE								280629.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2010

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE							
- PADDY		50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP		1999.	2023.	2045.	2121.	2126.	2167.
BUILDING							
- HOUSE (URBAN)		29990.	31195.	32208.	33583.	34547.	36149.
- HOUSE (RURAL)		9552.	10019.	10319.	10773.	11095.	11599.
- COMMERCIAL SECTOR		37966.	39414.	40528.	42065.	43196.	44878.
- INDUSTRY		82022.	85306.	87853.	91728.	94232.	98552.
- HOTEL & STORE		29986.	31256.	32130.	33409.	34336.	35735.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		11843.	12579.	13088.	13875.	14448.	15292.
- HOUSE (RURAL)		9986.	10663.	11064.	11706.	12211.	12930.
- COMMERCIAL SECTOR		19022.	19996.	20576.	21507.	22196.	23078.
- INDUSTRY		6528.	6801.	7032.	7363.	7589.	7939.
- HOTEL & STORE		4647.	4907.	5057.	5306.	5484.	5720.
FISH POND		4647.	4647.	4921.	4921.	4975.	4975.
INFRA-STRUCTURE		89627.	92940.	95502.	99245.	101831.	105142.
INDIRECT COST		38836.	40274.	41384.	43006.	44127.	45561.
TOTAL		427221.	443016.	455224.	473067.	485393.	501176.
ANNUAL MEAN DAMAGE							324619.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2015

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE							
- PADDY		50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP		1999.	2023.	2045.	2121.	2126.	2167.
BUILDING							
- HOUSE (URBAN)		37389.	38892.	40155.	41870.	43071.	45068.
- HOUSE (RURAL)		10862.	11393.	11734.	12251.	12618.	13190.
- COMMERCIAL SECTOR		46049.	47806.	49157.	51021.	52393.	54433.
- INDUSTRY		97107.	100994.	104010.	108598.	111562.	116677.
- HOTEL & STORE		35500.	37004.	38039.	39553.	40650.	42307.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		14701.	15614.	16246.	17223.	17933.	18982.
- HOUSE (RURAL)		11306.	12073.	12527.	13254.	13825.	14639.
- COMMERCIAL SECTOR		23117.	24300.	25005.	26138.	26974.	28047.
- INDUSTRY		8062.	8400.	8685.	9094.	9372.	9805.
- HOTEL & STORE		5469.	5775.	5952.	6245.	6455.	6732.
FISH POND		5073.	5073.	5372.	5372.	5432.	5432.
INFRA-STRUCTURE		104161.	108103.	111134.	115559.	118624.	122681.
INDIRECT COST		45137.	46845.	48158.	50076.	51404.	53162.
TOTAL		496503.	515292.	529737.	550833.	565440.	584781.
ANNUAL MEAN DAMAGE							377477.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2020

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50566.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			46615.	48488.	50063.	52201.	53699.	56188.
- HOUSE (RURAL)			12352.	12956.	13344.	13932.	14349.	14999.
- COMMERCIAL SECTOR			55854.	57984.	59624.	61886.	63549.	66023.
- INDUSTRY			114966.	119568.	123138.	128570.	132079.	138135.
- HOTEL & STORE			42029.	43810.	45035.	46827.	48126.	50087.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			18246.	19381.	20165.	21378.	22260.	23562.
- HOUSE (RURAL)			12800.	13669.	14183.	15006.	15653.	16575.
- COMMERCIAL SECTOR			28694.	29532.	30389.	31765.	32781.	34085.
- INDUSTRY			9957.	10375.	10726.	11231.	11575.	12110.
- HOTEL & STORE			6437.	6797.	7005.	7351.	7597.	7924.
FISH POND			5539.	5539.	5864.	5864.	5930.	5930.
INFRA-STRUCTURE			121638.	126335.	129930.	135177.	138818.	143773.
INDIRECT COST			52710.	54745.	56303.	58577.	60154.	62302.
TOTAL			579807.	602199.	619334.	644342.	661697.	685318.
ANNUAL MEAN DAMAGE								441035.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2025

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			53207.	55346.	57143.	59584.	61293.	64135.
- HOUSE (RURAL)			13821.	14497.	14931.	15589.	16055.	16783.
- COMMERCIAL SECTOR			66989.	69544.	71510.	74221.	76217.	79185.
- INDUSTRY			131225.	136478.	140553.	146753.	150759.	157671.
- HOTEL & STORE			49179.	51262.	52695.	54793.	56313.	58607.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			20737.	22025.	22916.	24295.	25297.	26776.
- HOUSE (RURAL)			14259.	15227.	15799.	16716.	17437.	18464.
- COMMERCIAL SECTOR			33154.	34851.	35862.	37486.	38686.	40224.
- INDUSTRY			11968.	12469.	12892.	13499.	13912.	14555.
- HOTEL & STORE			7426.	7841.	8081.	8480.	8764.	9141.
FISH POND			5987.	5987.	6339.	6339.	6410.	6410.
INFRA-STRUCTURE			138156.	143563.	147686.	153700.	157881.	163672.
INDIRECT COST			59867.	62211.	63997.	66603.	68415.	70925.
TOTAL			658542.	684319.	703968.	732635.	752564.	780171.
ANNUAL MEAN DAMAGE								501093.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2030

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE							
- PADDY		50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP		1999.	2023.	2045.	2121.	2126.	2167.
BUILDING							
- HOUSE (URBAN)		60732.	63173.	65224.	68010.	69961.	73205.
- HOUSE (RURAL)		15464.	16220.	16706.	17442.	17963.	18778.
- COMMERCIAL SECTOR		80343.	83407.	85766.	89017.	91411.	94970.
- INDUSTRY		149784.	155779.	160431.	167507.	172080.	179969.
- HOTEL & STORE		57546.	59981.	61659.	64113.	65892.	68577.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		23565.	25030.	26042.	27608.	28747.	30428.
- HOUSE (RURAL)		15884.	16962.	17600.	18621.	19424.	20568.
- COMMERCIAL SECTOR		39126.	41128.	42321.	44237.	45653.	47468.
- INDUSTRY		14384.	14986.	15494.	16224.	16721.	17493.
- HOTEL & STORE		8567.	9045.	9322.	9782.	10110.	10544.
FISH POND		6472.	6472.	6853.	6853.	6929.	6929.
INFRA-STRUCTURE		157330.	163561.	168294.	175198.	180006.	186767.
INDIRECT COST		68176.	70876.	72928.	75919.	78002.	80932.
TOTAL		749938.	779641.	802204.	835112.	858027.	890255.
ANNUAL MEAN DAMAGE							570806.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2035

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE							
- PADDY		50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP		1999.	2023.	2045.	2121.	2126.	2167.
BUILDING							
- HOUSE (URBAN)		69321.	72107.	74469.	77628.	79856.	83558.
- HOUSE (RURAL)		17303.	18149.	18692.	19516.	20099.	21010.
- COMMERCIAL SECTOR		96360.	100035.	102863.	106763.	109635.	113903.
- INDUSTRY		170967.	177810.	183120.	191197.	196416.	205422.
- HOTEL & STORE		67332.	70184.	72147.	75019.	77100.	80242.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		26780.	28444.	29594.	31374.	32669.	34579.
- HOUSE (RURAL)		17695.	18896.	19606.	20744.	21638.	22912.
- COMMERCIAL SECTOR		46172.	48535.	49944.	52205.	53876.	56018.
- INDUSTRY		17287.	18012.	18622.	19499.	20096.	21024.
- HOTEL & STORE		9882.	10435.	10754.	11285.	11663.	12164.
FISH POND		6996.	6996.	7408.	7408.	7490.	7490.
INFRA-STRUCTURE		179599.	186786.	192229.	200165.	205699.	213584.
INDIRECT COST		77826.	80941.	83299.	86738.	89136.	92553.
TOTAL		856089.	890349.	916290.	954120.	980500.	1018085.
ANNUAL MEAN DAMAGE							651771.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2040 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)	1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE						
- PADDY	50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP	1999.	2023.	2045.	2121.	2126.	2167.
BUILDING						
- HOUSE (URBAN)	79125.	82305.	84978.	88607.	91149.	95375.
- HOUSE (RURAL)	19360.	20306.	20914.	21836.	22489.	23508.
- COMMERCIAL SECTOR	115570.	119977.	123370.	128046.	131491.	136610.
- INDUSTRY	195146.	202957.	209017.	218237.	224194.	234473.
- HOTEL & STORE	78786.	82123.	84419.	87780.	90215.	93891.
HOUSEHOLD EFFECT						
- HOUSE (URBAN)	30433.	32324.	33631.	35654.	37125.	39296.
- HOUSE (RURAL)	19711.	21049.	21840.	23108.	24104.	25523.
- COMMERCIAL SECTOR	54488.	57277.	58939.	61608.	63579.	66107.
- INDUSTRY	20777.	21648.	22181.	23435.	24153.	25269.
- HOTEL & STORE	11400.	12037.	12406.	13018.	13454.	14032.
FISH POND	7563.	7563.	8008.	8008.	8097.	8097.
INFRA-STRUCTURE	205478.	213776.	220040.	229175.	235553.	244742.
INDIRECT COST	89040.	92636.	95351.	99309.	102073.	106055.
TOTAL	979445.	1018997.	1048858.	1092400.	1122803.	1166605.
ANNUAL MEAN DAMAGE						745857.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2045 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH (M)	1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE						
- PADDY	50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP	1999.	2023.	2045.	2121.	2126.	2167.
BUILDING						
- HOUSE (URBAN)	89347.	92938.	95956.	100054.	102925.	107697.
- HOUSE (RURAL)	21429.	22477.	23150.	24170.	24893.	26021.
- COMMERCIAL SECTOR	137123.	142352.	146378.	151926.	156013.	162087.
- INDUSTRY	220356.	229177.	236020.	246431.	253157.	264765.
- HOTEL & STORE	91199.	95062.	97720.	101610.	104429.	108684.
HOUSEHOLD EFFECT						
- HOUSE (URBAN)	34230.	36357.	37827.	40102.	41757.	44199.
- HOUSE (RURAL)	21733.	23208.	24080.	25478.	26576.	28141.
- COMMERCIAL SECTOR	64746.	68059.	70034.	73205.	75548.	78551.
- INDUSTRY	23496.	24481.	25310.	26502.	27314.	28575.
- HOTEL & STORE	13151.	13886.	14311.	15017.	15520.	16187.
FISH POND	8124.	8124.	8602.	8602.	8697.	8697.
INFRA-STRUCTURE	233250.	242741.	249885.	260303.	267587.	278169.
INDIRECT COST	101075.	105188.	108286.	112798.	115954.	120540.
TOTAL	1111826.	1157068.	1191120.	1240777.	1275496.	1325939.
ANNUAL MEAN DAMAGE						846827.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2050 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			100890.	104944.	108352.	112980.	116221.	121610.
- HOUSE (RURAL)			23720.	24880.	25624.	26754.	27553.	28803.
- COMMERCIAL SECTOR			162696.	168901.	173676.	180260.	185109.	192316.
- INDUSTRY			248824.	258784.	266511.	278267.	285862.	298969.
- HOTEL & STORE			105566.	110040.	113117.	117620.	120883.	125809.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			38500.	40893.	42546.	45106.	46966.	49713.
- HOUSE (RURAL)			23962.	25588.	26550.	28091.	29302.	31027.
- COMMERCIAL SECTOR			76933.	80871.	83217.	86985.	89769.	93338.
- INDUSTRY			26570.	27684.	28622.	29970.	30888.	32334.
- HOTEL & STORE			15171.	16019.	16510.	17324.	17904.	18674.
FISH POND			8726.	8726.	9239.	9239.	9342.	9342.
INFRA-STRUCTURE			265238.	276104.	284258.	296152.	304478.	316662.
INDIRECT COST			114937.	119645.	123179.	128333.	131940.	137220.
TOTAL			1264302.	1316095.	1354965.	1411658.	1451345.	1509421.
ANNUAL MEAN DAMAGE								963121.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2055 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			113924.	118502.	122350.	127576.	131236.	137320.
- HOUSE (RURAL)			26256.	27539.	28363.	29614.	30499.	31882.
- COMMERCIAL SECTOR			193038.	200400.	206066.	213878.	219631.	228182.
- INDUSTRY			280969.	292215.	300941.	314216.	322792.	337592.
- HOTEL & STORE			122202.	127378.	130940.	136152.	139929.	145631.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			43304.	45995.	47855.	50734.	52826.	55915.
- HOUSE (RURAL)			26419.	28212.	29272.	30972.	32307.	34209.
- COMMERCIAL SECTOR			91416.	96094.	98882.	103359.	106667.	110909.
- INDUSTRY			30047.	31306.	32367.	33891.	34930.	36542.
- HOTEL & STORE			17501.	18479.	19045.	19985.	20654.	21542.
FISH POND			9372.	9372.	9924.	9924.	10034.	10034.
INFRA-STRUCTURE			302104.	314553.	323871.	337463.	346990.	361015.
INDIRECT COST			130912.	136306.	140344.	146234.	150362.	156440.
TOTAL			1440030.	1499371.	1543785.	1608575.	1653984.	1720839.
ANNUAL MEAN DAMAGE								1097146.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 159K

YEAR : 2060 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		71430.	72430.	73700.	75080.	75500.	76680.
INUNDATION DEPTH	(M)		1.74	1.85	1.93	2.02	2.11	2.19
CROP DAMAGE								
- PADDY			50568.	50996.	51519.	52459.	53001.	51459.
- UPLAND CROP			1999.	2023.	2045.	2121.	2126.	2167.
BUILDING								
- HOUSE (URBAN)			128641.	133811.	138156.	144057.	148190.	155061.
- HOUSE (RURAL)			29662.	30483.	31395.	32779.	33759.	35290.
- COMMERCIAL SECTOR			229039.	237774.	244497.	253765.	260592.	270737.
- INDUSTRY			317267.	329966.	339819.	354809.	364493.	381205.
- HOTEL & STORE			141456.	147447.	151570.	157603.	161976.	168576.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			48707.	51733.	53825.	57063.	59417.	62892.
- HOUSE (RURAL)			29129.	31106.	32275.	34148.	35621.	37718.
- COMMERCIAL SECTOR			108624.	114183.	117496.	122816.	126747.	131786.
- INDUSTRY			33979.	35403.	36602.	38326.	39500.	41324.
- HOTEL & STORE			20189.	21317.	21970.	23054.	23826.	24850.
FISH POND			10067.	10067.	10659.	10659.	10777.	10777.
INFRA-STRUCTURE			344618.	358893.	369549.	385098.	396007.	412153.
INDIRECT COST			149334.	155520.	160138.	166876.	171603.	178599.
TOTAL			1642678.	1710721.	1761516.	1835632.	1887635.	1964594.
ANNUAL MEAN DAMAGE								1251700.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 1984 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64650.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			22279.	22414.	22621.	22969.	23194.	23437.
- UPLAND CROP			903.	906.	909.	927.	930.	933.
BUILDING								
- HOUSE (URBAN)			9436.	9798.	10107.	10514.	10811.	11277.
- HOUSE (RURAL)			4249.	4416.	4534.	4694.	4823.	4973.
- COMMERCIAL SECTOR			12807.	13252.	13607.	14076.	14443.	14928.
- INDUSTRY			27719.	28661.	29420.	30428.	31218.	32295.
- HOTEL & STORE			9816.	10195.	10468.	10851.	11142.	11537.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			3825.	4056.	4217.	4460.	4642.	4896.
- HOUSE (RURAL)			4565.	4830.	4999.	5242.	5455.	5678.
- COMMERCIAL SECTOR			7435.	7798.	8012.	8348.	8607.	8908.
- INDUSTRY			1232.	1276.	1314.	1359.	1399.	1446.
- HOTEL & STORE			1305.	1375.	1415.	1481.	1529.	1587.
FISH POND			2890.	2890.	3060.	3060.	3094.	3094.
INFRA-STRUCTURE			32538.	33560.	34405.	35523.	36386.	37497.
INDIRECT COST			14100.	14543.	14909.	15393.	15767.	16249.
TOTAL			155099.	159970.	163997.	169325.	173440.	178734.
ANNUAL MEAN DAMAGE								117422.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 1985 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			23409.	23550.	23768.	24134.	24370.	24625.
- UPLAND CROP			934.	937.	940.	959.	962.	965.
BUILDING								
- HOUSE (URBAN)			9852.	10230.	10552.	10977.	11287.	11774.
- HOUSE (RURAL)			4368.	4540.	4661.	4826.	4958.	5112.
- COMMERCIAL SECTOR			13347.	13811.	14181.	14670.	15053.	15558.
- INDUSTRY			28889.	29871.	30662.	31712.	32535.	33658.
- HOTEL & STORE			10280.	10677.	10962.	11364.	11668.	12082.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			3990.	4231.	4399.	4652.	4842.	5107.
- HOUSE (RURAL)			4688.	4961.	5134.	5384.	5602.	5831.
- COMMERCIAL SECTOR			7676.	8050.	8271.	8618.	8885.	9196.
- INDUSTRY			1324.	1371.	1412.	1460.	1503.	1553.
- HOTEL & STORE			1381.	1455.	1497.	1567.	1618.	1679.
FISH POND			2945.	2945.	3118.	3118.	3152.	3152.
INFRA-STRUCTURE			33924.	34988.	35867.	37032.	37931.	39088.
INDIRECT COST			14700.	15162.	15542.	16047.	16437.	16938.
TOTAL			161705.	166777.	170967.	176518.	180804.	186320.
ANNUAL MEAN DAMAGE								122419.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 1990 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			29976.	30157.	30436.	30904.	31207.	31534.
- UPLAND CROP			1104.	1107.	1111.	1133.	1137.	1140.
BUILDING								
- HOUSE (URBAN)			12221.	12690.	13090.	13617.	14002.	14606.
- HOUSE (RURAL)			5016.	5213.	5352.	5541.	5693.	5870.
- COMMERCIAL SECTOR			16412.	16982.	17437.	18038.	18508.	19130.
- INDUSTRY			35521.	36728.	37701.	38993.	40005.	41385.
- HOTEL & STORE			12948.	13448.	13808.	14313.	14697.	15218.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			4928.	5226.	5433.	5746.	5981.	6308.
- HOUSE (RURAL)			5357.	5668.	5866.	6152.	6402.	6663.
- COMMERCIAL SECTOR			9000.	9440.	9699.	10106.	10419.	10783.
- INDUSTRY			1894.	1961.	2020.	2089.	2150.	2223.
- HOTEL & STORE			1831.	1929.	1985.	2078.	2145.	2226.
FISH POND			3234.	3234.	3424.	3424.	3462.	3462.
INFRA-STRUCTURE			41832.	43135.	44209.	45640.	46742.	48165.
INDIRECT COST			18127.	18692.	19157.	19777.	20255.	20871.
TOTAL			199400.	205610.	210728.	217550.	222805.	229584.
ANNUAL MEAN DAMAGE								150932.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 1995

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			38385.	38618.	38974.	39574.	39961.	40380.
- UPLAND CROP			1304.	1309.	1313.	1339.	1343.	1348.
BUILDING								
- HOUSE (URBAN)			15161.	15742.	16239.	16893.	17370.	18119.
- HOUSE (RURAL)			5759.	5985.	6145.	6362.	6537.	6740.
- COMMERCIAL SECTOR			20180.	20881.	21440.	22179.	22758.	23522.
- INDUSTRY			43677.	45161.	46357.	47945.	49190.	50887.
- HOTEL & STORE			16309.	16938.	17392.	18028.	18512.	19168.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			6087.	6454.	6710.	7097.	7387.	7791.
- HOUSE (RURAL)			6123.	6477.	6703.	7029.	7315.	7614.
- COMMERCIAL SECTOR			10554.	11069.	11373.	11850.	12217.	12645.
- INDUSTRY			2709.	2806.	2890.	2989.	3077.	3180.
- HOTEL & STORE			2428.	2558.	2632.	2755.	2844.	2952.
FISH POND			3551.	3551.	3760.	3760.	3802.	3802.
INFRA-STRUCTURE			51667.	53265.	54579.	56340.	57694.	59444.
INDIRECT COST			22389.	23081.	23651.	24414.	25001.	25759.
TOTAL			246280.	253895.	260158.	268554.	275007.	283350.
ANNUAL MEAN DAMAGE								186388.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2000

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			18807.	19529.	20145.	20956.	21548.	22477.
- HOUSE (RURAL)			6613.	6873.	7056.	7305.	7506.	7739.
- COMMERCIAL SECTOR			24813.	25675.	26363.	27272.	27983.	28922.
- INDUSTRY			53704.	55529.	57000.	58953.	60483.	62570.
- HOTEL & STORE			20562.	21335.	21906.	22708.	23316.	24143.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			7518.	7972.	8288.	8766.	9123.	9623.
- HOUSE (RURAL)			6995.	7401.	7660.	8032.	8358.	8700.
- COMMERCIAL SECTOR			12375.	12980.	13336.	13895.	14326.	14827.
- INDUSTRY			3877.	4015.	4135.	4276.	4402.	4550.
- HOTEL & STORE			3219.	3391.	3490.	3653.	3771.	3914.
FISH POND			3899.	3899.	4129.	4129.	4175.	4175.
INFRA-STRUCTURE			63917.	65879.	67490.	69661.	71326.	73482.
INDIRECT COST			27697.	28548.	29246.	30186.	30908.	31842.
TOTAL			304671.	314023.	321703.	332049.	339986.	350267.
ANNUAL MEAN DAMAGE								230542.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2005 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH (M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE							
- PADDY		49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP		1542.	1547.	1552.	1583.	1588.	1593.
BUILDING							
- HOUSE (URBAN)		23448.	24348.	25115.	26127.	26865.	28023.
- HOUSE (RURAL)		7520.	7815.	8024.	8307.	8536.	8801.
- COMMERCIAL SECTOR		30096.	31142.	31976.	33078.	33940.	35080.
- INDUSTRY		63581.	65742.	67483.	69795.	71607.	74077.
- HOTEL & STORE		24319.	25256.	25935.	26884.	27605.	28583.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		9331.	9895.	10288.	10881.	11325.	11944.
- HOUSE (RURAL)		7919.	8379.	8672.	9094.	9463.	9850.
- COMMERCIAL SECTOR		15040.	15774.	16207.	16886.	17410.	18019.
- INDUSTRY		4788.	4959.	5107.	5282.	5437.	5620.
- HOTEL & STORE		3788.	3992.	4108.	4299.	4439.	4607.
FISH POND		4257.	4257.	4507.	4507.	4557.	4557.
INFRA-STRUCTURE		73435.	75768.	77664.	80219.	82183.	84739.
INDIRECT COST		31822.	32833.	33655.	34762.	35613.	36720.
TOTAL		350040.	361159.	370201.	382380.	391740.	403923.
ANNUAL MEAN DAMAGE							265055.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2010 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH (M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE							
- PADDY		49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP		1542.	1547.	1552.	1583.	1588.	1593.
BUILDING							
- HOUSE (URBAN)		29234.	30355.	31313.	32573.	33494.	34937.
- HOUSE (RURAL)		8552.	8888.	9125.	9447.	9707.	10009.
- COMMERCIAL SECTOR		36506.	37772.	38784.	40121.	41167.	42549.
- INDUSTRY		75274.	77832.	79893.	82631.	84776.	87701.
- HOTEL & STORE		28792.	29904.	30704.	31828.	32681.	33860.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		11583.	12282.	12770.	13506.	14057.	14826.
- HOUSE (RURAL)		8966.	9487.	9819.	10296.	10714.	11152.
- COMMERCIAL SECTOR		18277.	19170.	19696.	20522.	21158.	21898.
- INDUSTRY		5913.	6125.	6307.	6523.	6715.	6941.
- HOTEL & STORE		4459.	4698.	4835.	5060.	5224.	5422.
FISH POND		4647.	4647.	4921.	4921.	4975.	4975.
INFRA-STRUCTURE		84869.	87647.	89888.	92906.	95229.	98266.
INDIRECT COST		36777.	37981.	38951.	40259.	41266.	42582.
TOTAL		404542.	417786.	428466.	442851.	453924.	468400.
ANNUAL MEAN DAMAGE							306516.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2015 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			36447.	37845.	39039.	40611.	41758.	43558.
- HOUSE (RURAL)			9725.	10107.	10377.	10743.	11038.	11382.
- COMMERCIAL SECTOR			44276.	45814.	47042.	48663.	49932.	51609.
- INDUSTRY			89118.	92146.	94587.	97827.	100367.	103830.
- HOTEL & STORE			34087.	35403.	36351.	37681.	38692.	40063.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			14378.	15246.	15851.	16764.	17448.	18403.
- HOUSE (RURAL)			10152.	10741.	11117.	11657.	12131.	12627.
- COMMERCIAL SECTOR			22212.	23297.	23936.	24940.	25713.	26613.
- INDUSTRY			7303.	7564.	7790.	8056.	8293.	8572.
- HOTEL & STORE			5248.	5530.	5690.	5956.	6149.	6382.
FISH POND			5073.	5073.	5372.	5372.	5432.	5432.
INFRA-STRUCTURE			98614.	101929.	104583.	108159.	110914.	114531.
INDIRECT COST			42733.	44169.	45319.	46869.	48063.	49630.
TOTAL			470061.	485864.	498513.	515557.	528691.	545933.
ANNUAL MEAN DAMAGE								356361.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2020 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			45440.	47183.	48671.	50631.	52061.	54305.
- HOUSE (RURAL)			11059.	11494.	11801.	12217.	12553.	12943.
- COMMERCIAL SECTOR			53703.	55569.	57058.	59024.	60563.	62597.
- INDUSTRY			105507.	109093.	111982.	115819.	118826.	122925.
- HOTEL & STORE			40356.	41914.	43037.	44611.	45808.	47432.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			17846.	18924.	19675.	20809.	21658.	22843.
- HOUSE (RURAL)			11494.	12161.	12586.	13198.	13734.	14296.
- COMMERCIAL SECTOR			26994.	28312.	29089.	30309.	31249.	32342.
- INDUSTRY			9020.	9342.	9621.	9950.	10243.	10587.
- HOTEL & STORE			6177.	6508.	6698.	7010.	7237.	7512.
FISH POND			5539.	5539.	5864.	5864.	5930.	5930.
INFRA-STRUCTURE			115149.	119111.	122262.	126511.	129787.	134104.
INDIRECT COST			49898.	51615.	52980.	54821.	56241.	58112.
TOTAL			548878.	567764.	582784.	603033.	618650.	639229.
ANNUAL MEAN DAMAGE								416324.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2025

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH (M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE							
- PADDY		49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP		1542.	1547.	1552.	1583.	1588.	1593.
BUILDING							
- HOUSE (URBAN)		51866.	53856.	55555.	57792.	59424.	61986.
- HOUSE (RURAL)		12374.	12860.	13204.	13670.	14045.	14482.
- COMMERCIAL SECTOR		64409.	66647.	68432.	70791.	72637.	75076.
- INDUSTRY		120429.	124521.	127819.	132198.	135631.	140310.
- HOTEL & STORE		47221.	49044.	50357.	52200.	53600.	55500.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		20281.	21506.	22359.	23648.	24613.	25959.
- HOUSE (RURAL)		12804.	13547.	14021.	14702.	15300.	15925.
- COMMERCIAL SECTOR		31856.	33411.	34328.	35768.	36877.	38167.
- INDUSTRY		10841.	11228.	11563.	11959.	12311.	12724.
- HOTEL & STORE		7126.	7508.	7726.	8087.	8349.	8665.
FISH POND		5987.	5987.	6339.	6339.	6410.	6410.
INFRA-STRUCTURE		130766.	135334.	138949.	143823.	147587.	152552.
INDIRECT COST		56665.	58645.	60211.	62323.	63954.	66106.
TOTAL		623320.	645093.	662324.	685558.	703497.	727163.
ANNUAL MEAN DAMAGE							472943.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2030

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH (M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE							
- PADDY		49354.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP		1542.	1547.	1552.	1583.	1588.	1593.
BUILDING							
- HOUSE (URBAN)		59201.	61473.	63411.	65965.	67828.	70752.
- HOUSE (RURAL)		13845.	14389.	14773.	15295.	15715.	16204.
- COMMERCIAL SECTOR		77249.	79933.	82074.	84903.	87117.	90042.
- INDUSTRY		137460.	142132.	145896.	150894.	154812.	160153.
- HOTEL & STORE		55253.	57386.	58923.	61079.	62717.	64960.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		23047.	24439.	25409.	26873.	27970.	29500.
- HOUSE (RURAL)		14263.	15091.	15619.	16378.	17044.	17740.
- COMMERCIAL SECTOR		37593.	39429.	40511.	42210.	43519.	45041.
- INDUSTRY		13030.	13695.	13897.	14373.	14796.	15293.
- HOTEL & STORE		8220.	8661.	8913.	9329.	9631.	9996.
FISH POND		6472.	6472.	6853.	6853.	6929.	6929.
INFRA-STRUCTURE		148899.	154170.	158322.	163923.	168252.	173968.
INDIRECT COST		64523.	66807.	68606.	71033.	72909.	75386.
TOTAL		709751.	734875.	754668.	781367.	801999.	829248.
ANNUAL MEAN DAMAGE							538680.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2015 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			67574.	70166.	72379.	75294.	77421.	80758.
- HOUSE (RURAL)			15491.	16100.	16530.	17113.	17583.	18130.
- COMMERCIAL SECTOR			92649.	95868.	98436.	101829.	104484.	107992.
- INDUSTRY			156901.	162233.	166529.	172235.	176706.	182803.
- HOTEL & STORE			64652.	67148.	68946.	71469.	73385.	75987.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			26191.	27773.	28875.	30539.	31785.	33524.
- HOUSE (RURAL)			15888.	16811.	17399.	18245.	18986.	19762.
- COMMERCIAL SECTOR			44364.	46530.	47807.	49812.	51358.	53154.
- INDUSTRY			15660.	16219.	16702.	17274.	17783.	18380.
- HOTEL & STORE			9483.	9991.	10282.	10762.	11110.	11532.
FISH POND			6996.	6996.	7408.	7408.	7490.	7490.
INFRA-STRUCTURE			169963.	176050.	180826.	187271.	192256.	198844.
INDIRECT COST			73651.	76288.	78358.	81151.	83311.	86166.
TOTAL			810158.	839173.	861939.	892660.	916419.	947825.
ANNUAL MEAN DAMAGE								615045.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2040 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			77131.	80090.	82615.	85942.	88370.	92179.
- HOUSE (RURAL)			17332.	18014.	18495.	19148.	19674.	20286.
- COMMERCIAL SECTOR			111119.	114980.	118060.	122129.	125313.	129521.
- INDUSTRY			179090.	185176.	190080.	196593.	201697.	208655.
- HOTEL & STORE			75649.	78570.	80674.	83626.	85868.	88912.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			29764.	31561.	32814.	34705.	36121.	38097.
- HOUSE (RURAL)			17699.	18727.	19382.	20324.	21150.	22014.
- COMMERCIAL SECTOR			52355.	54911.	56418.	58784.	60608.	62727.
- INDUSTRY			18822.	19494.	20074.	20762.	21373.	22091.
- HOTEL & STORE			10939.	11526.	11861.	12414.	12817.	13303.
FISH POND			7563.	7563.	8008.	8008.	8097.	8097.
INFRA-STRUCTURE			194447.	201483.	206983.	214408.	220154.	227756.
INDIRECT COST			84261.	87309.	89692.	92910.	95400.	98694.
TOTAL			926866.	960401.	986617.	1022011.	1049402.	1085635.
ANNUAL MEAN DAMAGE								703806.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2045 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	64850.	65330.	66100.	66930.	67250.	67950.	
INUNDATION DEPTH (M)	1.81	1.90	1.97	2.04	2.12	2.19	
CROP DAMAGE							
- PADDY	49154.	49451.	49908.	50676.	51172.	51708.	
- UPLAND CROP	1542.	1547.	1552.	1583.	1588.	1593.	
BUILDING							
- HOUSE (URBAN)	87095.	90436.	93288.	97045.	99786.	104088.	
- HOUSE (RURAL)	19185.	19939.	20472.	21195.	21777.	22454.	
- COMMERCIAL SECTOR	131842.	136423.	140077.	144905.	148684.	153676.	
- INDUSTRY	202227.	209099.	214636.	221990.	227754.	235611.	
- HOTEL & STORE	87568.	90949.	93385.	96802.	99398.	102921.	
HOUSEHOLD EFFECT							
- HOUSE (URBAN)	33477.	35499.	36908.	39035.	40628.	42851.	
- HOUSE (RURAL)	19516.	20647.	21370.	22408.	23319.	24272.	
- COMMERCIAL SECTOR	62210.	65246.	67038.	69850.	72017.	74535.	
- INDUSTRY	21284.	22065.	22701.	23479.	24170.	24982.	
- HOTEL & STORE	12619.	13296.	13683.	14321.	14785.	15346.	
FISH POND	8124.	8124.	8602.	8602.	8697.	8697.	
INFRA-STRUCTURE	220752.	228811.	235086.	243567.	250132.	258821.	
INDIRECT COST	95659.	99151.	101871.	105546.	108391.	112156.	
TOTAL	1052253.	1090666.	1120578.	1161002.	1192297.	1233712.	
ANNUAL MEAN DAMAGE							799174.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2050 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)	64850.	65330.	66100.	66930.	67250.	67950.	
INUNDATION DEPTH (M)	1.81	1.90	1.97	2.04	2.12	2.19	
CROP DAMAGE							
- PADDY	49154.	49451.	49908.	50676.	51172.	51708.	
- UPLAND CROP	1542.	1547.	1552.	1583.	1588.	1593.	
BUILDING							
- HOUSE (URBAN)	98367.	102120.	105340.	109582.	112678.	117535.	
- HOUSE (RURAL)	21236.	22071.	22660.	23460.	24105.	24855.	
- COMMERCIAL SECTOR	156430.	161865.	166201.	171930.	176412.	182336.	
- INDUSTRY	228352.	236112.	242365.	250669.	257177.	266050.	
- HOTEL & STORE	101366.	105279.	108098.	112054.	115059.	119138.	
HOUSEHOLD EFFECT							
- HOUSE (URBAN)	37654.	39928.	41513.	43905.	45697.	48197.	
- HOUSE (RURAL)	21516.	22765.	23561.	24707.	25711.	26762.	
- COMMERCIAL SECTOR	73921.	77530.	79658.	82998.	85573.	88566.	
- INDUSTRY	24070.	24929.	25672.	26551.	27332.	28250.	
- HOTEL & STORE	14557.	15338.	15784.	16521.	17056.	17703.	
FISH POND	8726.	8726.	9239.	9239.	9342.	9342.	
INFRA-STRUCTURE	251061.	260298.	267466.	277162.	284670.	294610.	
INDIRECT COST	108793.	112796.	115902.	120104.	123357.	127664.	
TOTAL	1196722.	1240755.	1274920.	1321139.	1356929.	1404308.	
ANNUAL MEAN DAMAGE							909055.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2055 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			111052.	115312.	118949.	123739.	127234.	132719.
- HOUSE (RURAL)			23506.	24430.	25083.	25968.	26682.	27511.
- COMMERCIAL SECTOR			185603.	192052.	197197.	203994.	209313.	216341.
- INDUSTRY			257852.	266615.	273676.	283053.	290401.	300420.
- HOTEL & STORE			117337.	121867.	125130.	129709.	133187.	137909.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			42352.	44909.	46692.	49383.	51398.	54210.
- HOUSE (RURAL)			23722.	25100.	25978.	27241.	28347.	29506.
- COMMERCIAL SECTOR			87836.	92124.	94653.	98622.	101682.	105238.
- INDUSTRY			27219.	28191.	29031.	30025.	30909.	31947.
- HOTEL & STORE			16793.	17694.	18209.	19058.	19676.	20422.
FISH POND			9372.	9372.	9924.	9924.	10034.	10034.
INFRA-STRUCTURE			286002.	296600.	304794.	315892.	324487.	335868.
INDIRECT COST			123934.	128527.	132077.	136886.	140611.	145543.
TOTAL			1363277.	1413793.	1452852.	1505751.	1546721.	1600970.
ANNUAL MEAN DAMAGE								1035733.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF MAIN BRANTAS UP TO 139K

YEAR : 2060 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		64850.	65330.	66100.	66930.	67250.	67950.
INUNDATION DEPTH	(M)		1.81	1.90	1.97	2.04	2.12	2.19
CROP DAMAGE								
- PADDY			49154.	49451.	49908.	50676.	51172.	51708.
- UPLAND CROP			1542.	1547.	1552.	1583.	1588.	1593.
BUILDING								
- HOUSE (URBAN)			125399.	130209.	134316.	139725.	143672.	149864.
- HOUSE (RURAL)			26019.	27041.	27764.	28744.	29534.	30452.
- COMMERCIAL SECTOR			220218.	227869.	233974.	242038.	248349.	256688.
- INDUSTRY			291164.	301059.	309032.	319620.	327918.	339231.
- HOTEL & STORE			135824.	141068.	144846.	150145.	154172.	159637.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			47636.	50513.	52518.	55544.	57811.	60974.
- HOUSE (RURAL)			26155.	27674.	28642.	30034.	31255.	32532.
- COMMERCIAL SECTOR			104371.	109466.	112470.	117187.	120823.	125048.
- INDUSTRY			30781.	31880.	32829.	33954.	34953.	36127.
- HOTEL & STORE			19373.	20412.	21005.	21985.	22698.	23559.
FISH POND			10067.	10067.	10659.	10659.	10777.	10777.
INFRA-STRUCTURE			326310.	338477.	347854.	360568.	370416.	383458.
INDIRECT COST			141401.	146673.	150737.	156246.	160514.	166165.
TOTAL			1555411.	1613407.	1658106.	1718707.	1765650.	1827815.
ANNUAL MEAN DAMAGE								1181867.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 1984 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			1778.	1920.	2127.	2301.	2450.	2580.
- UPLAND CROP			146.	149.	152.	154.	158.	166.
BUILDING								
- HOUSE (URBAN)			205.	253.	297.	337.	383.	424.
- HOUSE (RURAL)			406.	497.	581.	658.	743.	823.
- COMMERCIAL SECTOR			803.	988.	1175.	1341.	1528.	1694.
- INDUSTRY			1717.	2151.	2558.	2934.	3367.	3735.
- HOTEL & STORE			705.	887.	1059.	1219.	1404.	1558.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			56.	80.	100.	118.	144.	164.
- HOUSE (RURAL)			312.	437.	545.	643.	778.	884.
- COMMERCIAL SECTOR			386.	544.	677.	774.	913.	1014.
- INDUSTRY			73.	106.	134.	153.	183.	203.
- HOTEL & STORE			76.	108.	142.	163.	196.	218.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			1999.	2436.	2864.	3239.	3674.	4039.
INDIRECT COST			866.	1056.	1241.	1403.	1592.	1750.
TOTAL			9528.	11612.	13652.	15437.	17513.	19252.
ANNUAL MEAN DAMAGE								8202.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 1985 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			1868.	2017.	2235.	2418.	2574.	2711.
- UPLAND CROP			151.	154.	157.	159.	163.	172.
BUILDING								
- HOUSE (URBAN)			214.	264.	310.	352.	400.	443.
- HOUSE (RURAL)			417.	511.	597.	676.	764.	846.
- COMMERCIAL SECTOR			837.	1030.	1225.	1398.	1592.	1765.
- INDUSTRY			1789.	2242.	2666.	3058.	3509.	3893.
- HOTEL & STORE			738.	929.	1109.	1277.	1470.	1632.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			58.	83.	104.	123.	150.	171.
- HOUSE (RURAL)			320.	449.	560.	660.	799.	908.
- COMMERCIAL SECTOR			398.	562.	699.	799.	943.	1047.
- INDUSTRY			78.	114.	144.	164.	197.	218.
- HOTEL & STORE			80.	114.	150.	172.	207.	231.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			2085.	2541.	2987.	3377.	3831.	4211.
INDIRECT COST			904.	1101.	1294.	1463.	1660.	1825.
TOTAL			9940.	12110.	14237.	16097.	18260.	20071.
ANNUAL MEAN DAMAGE								8555.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 1990 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			2392.	2583.	2862.	3096.	3296.	3471.
- UPLAND CROP			178.	182.	186.	188.	193.	203.
BUILDING								
- HOUSE (URBAN)			266.	328.	385.	436.	496.	549.
- HOUSE (RURAL)			479.	587.	686.	777.	877.	971.
- COMMERCIAL SECTOR			1029.	1266.	1506.	1718.	1958.	2171.
- INDUSTRY			2200.	2756.	3278.	3760.	4315.	4786.
- HOTEL & STORE			930.	1170.	1397.	1608.	1852.	2055.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			72.	103.	129.	152.	186.	211.
- HOUSE (RURAL)			366.	513.	640.	755.	913.	1037.
- COMMERCIAL SECTOR			467.	659.	820.	937.	1105.	1227.
- INDUSTRY			112.	163.	206.	235.	281.	312.
- HOTEL & STORE			107.	152.	199.	229.	275.	306.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			2580.	3138.	3688.	4167.	4724.	5190.
INDIRECT COST			1118.	1360.	1598.	1806.	2047.	2249.
TOTAL			12297.	14959.	17577.	19864.	22519.	24741.
ANNUAL MEAN DAMAGE								10573.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 1995 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3063.	3308.	3665.	3964.	4221.	4445.
- UPLAND CROP			211.	215.	220.	222.	228.	240.
BUILDING								
- HOUSE (URBAN)			329.	406.	477.	561.	615.	681.
- HOUSE (RURAL)			550.	674.	787.	892.	1007.	1115.
- COMMERCIAL SECTOR			1265.	1557.	1851.	2113.	2408.	2669.
- INDUSTRY			2705.	3389.	4031.	4623.	5305.	5885.
- HOTEL & STORE			1171.	1474.	1759.	2025.	2333.	2589.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			89.	127.	159.	188.	229.	261.
- HOUSE (RURAL)			418.	586.	731.	862.	1043.	1185.
- COMMERCIAL SECTOR			548.	772.	961.	1099.	1296.	1439.
- INDUSTRY			161.	233.	295.	336.	402.	446.
- HOTEL & STORE			141.	201.	264.	303.	365.	406.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			3196.	3883.	4560.	5151.	5836.	6409.
INDIRECT COST			1385.	1683.	1976.	2232.	2529.	2777.
TOTAL			15234.	18508.	21736.	24553.	27818.	30548.
ANNUAL MEAN DAMAGE								13086.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2000

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		409.	504.	592.	672.	763.	845.
- HOUSE (RURAL)		632.	773.	904.	1024.	1156.	1281.
- COMMERCIAL SECTOR		1556.	1914.	2277.	2598.	2960.	3282.
- INDUSTRY		3327.	4167.	4956.	5684.	6523.	7236.
- HOTEL & STORE		1475.	1856.	2216.	2551.	2938.	3260.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		110.	157.	197.	232.	283.	322.
- HOUSE (RURAL)		478.	670.	835.	985.	1192.	1354.
- COMMERCIAL SECTOR		642.	905.	1127.	1288.	1520.	1688.
- INDUSTRY		230.	334.	422.	481.	576.	639.
- HOTEL & STORE		187.	266.	350.	402.	483.	538.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		3965.	4811.	5648.	6377.	7221.	7926.
INDIRECT COST		1718.	2085.	2448.	2764.	3129.	3435.
TOTAL		18902.	22935.	26923.	30399.	34421.	37783.
ANNUAL MEAN DAMAGE							16223.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2005

(UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		509.	629.	738.	837.	952.	1054.
- HOUSE (RURAL)		719.	880.	1028.	1165.	1315.	1457.
- COMMERCIAL SECTOR		1887.	2322.	2761.	3151.	3591.	3981.
- INDUSTRY		3938.	4934.	5867.	6730.	7723.	8567.
- HOTEL & STORE		1747.	2198.	2624.	3020.	3478.	3860.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		137.	195.	244.	288.	351.	400.
- HOUSE (RURAL)		541.	758.	945.	1115.	1350.	1534.
- COMMERCIAL SECTOR		781.	1100.	1369.	1566.	1847.	2051.
- INDUSTRY		284.	412.	521.	595.	711.	789.
- HOTEL & STORE		221.	314.	412.	473.	569.	633.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		4481.	5669.	6439.	7284.	8269.	9090.
INDIRECT COST		1942.	2370.	2790.	3156.	3583.	3939.
TOTAL		21357.	26070.	30692.	34720.	39414.	43330.
ANNUAL MEAN DAMAGE							18409.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.MIDAS RIVER BASIN

YEAR : 2010 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		635.	784.	920.	1044.	1187.	1314.
- HOUSE (RURAL)		817.	1000.	1169.	1324.	1495.	1656.
- COMMERCIAL SECTOR		2289.	2816.	3349.	3822.	4355.	4828.
- INDUSTRY		4663.	5841.	6947.	7968.	9143.	10143.
- HOTEL & STORE		2068.	2602.	3106.	3576.	4118.	4570.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		170.	242.	303.	357.	436.	497.
- HOUSE (RURAL)		613.	858.	1070.	1263.	1528.	1736.
- COMMERCIAL SECTOR		949.	1337.	1664.	1903.	2244.	2493.
- INDUSTRY		350.	509.	643.	734.	878.	974.
- HOTEL & STORE		260.	369.	485.	557.	670.	745.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		5095.	6255.	7383.	8366.	9519.	10479.
INDIRECT COST		2208.	2710.	3199.	3625.	4125.	4541.
TOTAL		24289.	29815.	35192.	39879.	45375.	49952.
ANNUAL MEAN DAMAGE							21019.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.MIDAS RIVER BASIN

YEAR : 2015 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		792.	977.	1147.	1302.	1479.	1638.
- HOUSE (RURAL)		929.	1137.	1330.	1506.	1701.	1884.
- COMMERCIAL SECTOR		2776.	3416.	4062.	4636.	5283.	5856.
- INDUSTRY		5520.	6916.	8224.	9433.	10825.	12008.
- HOTEL & STORE		2448.	3080.	3677.	4233.	4876.	5410.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		210.	301.	376.	444.	541.	616.
- HOUSE (RURAL)		694.	972.	1212.	1430.	1730.	1966.
- COMMERCIAL SECTOR		1153.	1625.	2023.	2312.	2728.	3029.
- INDUSTRY		433.	628.	794.	907.	1085.	1203.
- HOTEL & STORE		306.	434.	571.	656.	788.	877.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		5830.	7193.	8511.	9659.	11013.	12139.
INDIRECT COST		2526.	3117.	3688.	4186.	4772.	5260.
TOTAL		27790.	34287.	40567.	46043.	52496.	57863.
ANNUAL MEAN DAMAGE							24137.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2020

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR)					
		1	2	5	10	25	50	100
INUNDATION AREA	(HA)	9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)	1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		987.	1218.	1430.	1623.	1864.	2042.
- HOUSE (RURAL)		1057.	1294.	1512.	1713.	1934.	2142.
- COMMERCIAL SECTOR		3367.	4143.	4927.	5623.	6407.	7103.
- INDUSTRY		6535.	8187.	9737.	11168.	12816.	14217.
- HOTEL & STORE		2898.	3647.	4354.	5012.	5772.	6405.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		261.	373.	467.	551.	672.	765.
- HOUSE (RURAL)		786.	1100.	1372.	1619.	1959.	2226.
- COMMERCIAL SECTOR		1401.	1975.	2458.	2810.	3315.	3682.
- INDUSTRY		534.	776.	981.	1120.	1340.	1486.
- HOTEL & STORE		360.	511.	672.	772.	928.	1032.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		6708.	8315.	9859.	11205.	12799.	14123.
INDIRECT COST		2907.	3603.	4272.	4855.	5546.	6120.
TOTAL		31974.	39633.	46993.	53409.	61006.	67318.
ANNUAL MEAN DAMAGE							27864.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2025

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR)					
		1	2	5	10	25	50	100
INUNDATION AREA	(HA)	9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)	1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		1127.	1391.	1633.	1852.	2105.	2331.
- HOUSE (RURAL)		1182.	1447.	1692.	1916.	2164.	2397.
- COMMERCIAL SECTOR		6038.	4969.	5909.	6744.	7685.	8519.
- INDUSTRY		7460.	9345.	11114.	12747.	14628.	16227.
- HOTEL & STORE		3391.	4267.	5096.	5864.	6754.	7495.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		297.	424.	530.	626.	764.	870.
- HOUSE (RURAL)		875.	1226.	1529.	1803.	2182.	2479.
- COMMERCIAL SECTOR		1654.	2331.	2901.	3316.	3912.	4345.
- INDUSTRY		642.	933.	1179.	1346.	1610.	1786.
- HOTEL & STORE		415.	590.	775.	890.	1070.	1190.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		7576.	9424.	11192.	12734.	14565.	16086.
INDIRECT COST		3283.	4084.	4850.	5518.	6311.	6970.
TOTAL		36113.	44920.	53350.	60697.	69425.	76669.
ANNUAL MEAN DAMAGE							31550.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2010 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP			249.	254.	260.	263.	270.	283.
BUILDING								
- HOUSE (URBAN)			1286.	1587.	1863.	2114.	2403.	2660.
- HOUSE (RURAL)			1323.	1619.	1893.	2144.	2421.	2682.
- COMMERCIAL SECTOR			4844.	5959.	7087.	8089.	9217.	10218.
- INDUSTRY			8515.	10667.	12685.	14550.	16697.	18522.
- HOTEL & STORE			3968.	4993.	5961.	6862.	7903.	8770.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			337.	482.	603.	711.	868.	988.
- HOUSE (RURAL)			975.	1365.	1703.	2009.	2431.	2762.
- COMMERCIAL SECTOR			1952.	2751.	3423.	3914.	4616.	5127.
- INDUSTRY			772.	1121.	1417.	1618.	1935.	2147.
- HOTEL & STORE			479.	680.	894.	1027.	1235.	1373.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			8587.	10715.	12745.	14513.	16620.	18367.
INDIRECT COST			3721.	4643.	5523.	6289.	7202.	7959.
TOTAL			40930.	51073.	60750.	69178.	79223.	87551.
ANNUAL MEAN DAMAGE								35840.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2035 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP			249.	254.	260.	263.	270.	283.
BUILDING								
- HOUSE (URBAN)			1468.	1812.	2127.	2413.	2743.	3036.
- HOUSE (RURAL)			1480.	1812.	2118.	2399.	2709.	3000.
- COMMERCIAL SECTOR			5809.	7147.	8500.	9701.	11054.	12255.
- INDUSTRY			9719.	12176.	14479.	16608.	19059.	21142.
- HOTEL & STORE			4643.	5842.	6975.	8029.	9247.	10262.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			383.	548.	685.	808.	986.	1123.
- HOUSE (RURAL)			1086.	1521.	1897.	2238.	2708.	3077.
- COMMERCIAL SECTOR			2303.	3246.	4040.	4618.	5448.	6051.
- INDUSTRY			928.	1347.	1703.	1945.	2326.	2580.
- HOTEL & STORE			552.	785.	1032.	1184.	1424.	1584.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			9763.	12218.	14552.	16585.	19014.	21026.
INDIRECT COST			4231.	5294.	6306.	7187.	8239.	9111.
TOTAL			46539.	58238.	69367.	79055.	90631.	100222.
ANNUAL MEAN DAMAGE								40835.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2040 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		1676.	2068.	2428.	2755.	3131.	3466.
- HOUSE (RURAL)		1656.	2027.	2370.	2684.	3031.	3357.
- COMMERCIAL SECTOR		6967.	8572.	10195.	11635.	13258.	14698.
- INDUSTRY		11093.	13897.	16527.	18956.	21754.	24132.
- HOTEL & STORE		5433.	6836.	8161.	9394.	10820.	12007.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		436.	623.	778.	918.	1121.	1276.
- HOUSE (RURAL)		1210.	1694.	2113.	2493.	3016.	3427.
- COMMERCIAL SECTOR		2718.	3831.	4767.	5450.	6429.	7140.
- INDUSTRY		1115.	1619.	2047.	2337.	2796.	3101.
- HOTEL & STORE		637.	905.	1190.	1366.	1643.	1827.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		11134.	13969.	16659.	18999.	21802.	24122.
INDIRECT COST		4825.	6053.	7219.	8233.	9447.	10453.
TOTAL		53072.	66586.	79407.	90561.	103922.	114983.
ANNUAL MEAN DAMAGE							46655.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2045 (UNIT: 10**6 RP.)

ITEM	RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA (HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH (M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE							
- PADDY		3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP		249.	254.	260.	263.	270.	283.
BUILDING							
- HOUSE (URBAN)		1892.	2335.	2741.	3111.	3535.	3914.
- HOUSE (RURAL)		1833.	2244.	2623.	2971.	3355.	3716.
- COMMERCIAL SECTOR		8266.	10171.	12096.	13805.	15730.	17439.
- INDUSTRY		12527.	15693.	18662.	21405.	24564.	27249.
- HOTEL & STORE		6289.	7913.	9447.	10875.	12525.	13899.
HOUSEHOLD EFFECT							
- HOUSE (URBAN)		490.	700.	875.	1033.	1260.	1435.
- HOUSE (RURAL)		1334.	1868.	2330.	2749.	3326.	3779.
- COMMERCIAL SECTOR		3230.	4552.	5665.	6476.	7639.	8484.
- INDUSTRY		1261.	1831.	2315.	2643.	3162.	3507.
- HOTEL & STORE		735.	1044.	1373.	1576.	1895.	2108.
FISH POND		0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE		12609.	15853.	18924.	21595.	24800.	27452.
INDIRECT COST		5464.	6869.	8200.	9358.	10747.	11896.
TOTAL		60102.	75564.	90205.	102936.	118213.	130853.
ANNUAL MEAN DAMAGE							52915.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.MIDAS RIVER BASIN

YEAR : 2050

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP			249.	254.	260.	263.	270.	283.
BUILDING								
- HOUSE (URBAN)			2137.	2637.	3095.	3512.	3992.	4419.
- HOUSE (RURAL)			2029.	2484.	2904.	3289.	3713.	4113.
- COMMERCIAL SECTOR			9808.	12068.	14352.	16379.	18664.	20691.
- INDUSTRY			14145.	17720.	21073.	24171.	27738.	30769.
- HOTEL & STORE			7280.	9160.	10936.	12588.	14498.	16089.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			551.	788.	984.	1162.	1418.	1614.
- HOUSE (RURAL)			1471.	2060.	2569.	3031.	3667.	4166.
- COMMERCIAL SECTOR			3838.	5409.	6731.	7695.	9077.	10081.
- INDUSTRY			1426.	2071.	2618.	2989.	3575.	3966.
- HOTEL & STORE			848.	1205.	1584.	1818.	2186.	2432.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			14311.	18027.	21540.	24592.	28261.	31295.
INDIRECT COST			6202.	7812.	9334.	10657.	12246.	13561.
TOTAL			68217.	85929.	102672.	117222.	134711.	149174.
ANNUAL MEAN DAMAGE								60142.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.MIDAS RIVER BASIN

YEAR : 2055

(UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP			249.	254.	260.	263.	270.	283.
BUILDING								
- HOUSE (URBAN)			2473.	2978.	3495.	3966.	4508.	4990.
- HOUSE (RURAL)			2246.	2749.	3214.	3640.	4110.	4553.
- COMMERCIAL SECTOR			11637.	14318.	17028.	19434.	22144.	24550.
- INDUSTRY			15972.	20009.	23795.	27293.	31321.	34744.
- HOTEL & STORE			8427.	10603.	12659.	14571.	16783.	18624.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			620.	886.	1107.	1307.	1594.	1816.
- HOUSE (RURAL)			1621.	2271.	2832.	3341.	4043.	4594.
- COMMERCIAL SECTOR			4560.	6427.	7998.	9144.	10786.	11979.
- INDUSTRY			1613.	2342.	2961.	3380.	4043.	4485.
- HOTEL & STORE			978.	1390.	1827.	2098.	2522.	2805.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			16278.	20539.	24561.	28054.	32259.	35735.
INDIRECT COST			7054.	8900.	10643.	12157.	13979.	15485.
TOTAL			77592.	97902.	117074.	133726.	153768.	170336.
ANNUAL MEAN DAMAGE								68490.

ESTIMATED PROBABLE FLOOD DAMAGE AND ANNUAL FLOOD DAMAGES OF K.WIDAS RIVER BASIN

YEAR : 2040 (UNIT: 10**6 RP.)

ITEM		RETURN PERIOD (YEAR) 1	2	5	10	25	50	100
INUNDATION AREA	(HA)		9250.	9960.	10450.	11310.	11680.	12200.
INUNDATION DEPTH	(M)		1.10	1.32	1.46	1.62	1.74	1.86
CROP DAMAGE								
- PADDY			3923.	4236.	4693.	5077.	5405.	5692.
- UPLAND CROP			249.	254.	260.	263.	270.	283.
BUILDING								
- HOUSE (URBAN)			2724.	3362.	3947.	4479.	5090.	5635.
- HOUSE (RURAL)			2486.	3043.	3558.	4029.	4550.	5040.
- COMMERCIAL SECTOR			13808.	16989.	20204.	23059.	26274.	29128.
- INDUSTRY			18036.	22594.	26870.	30819.	35367.	39233.
- HOTEL & STORE			9755.	12273.	14653.	16867.	19427.	21558.
HOUSEHOLD EFFECT								
- HOUSE (URBAN)			697.	996.	1245.	1470.	1793.	2042.
- HOUSE (RURAL)			1788.	2504.	3123.	3684.	4458.	5065.
- COMMERCIAL SECTOR			5419.	7637.	9504.	10865.	12816.	14234.
- INDUSTRY			1824.	2648.	3348.	3823.	4572.	5072.
- HOTEL & STORE			1128.	1603.	2108.	2420.	2910.	3236.
FISH POND			0.	0.	0.	0.	0.	0.
INFRA-STRUCTURE			18551.	23442.	28053.	32056.	36880.	40866.
INDIRECT COST			8039.	10158.	12157.	13891.	15981.	17708.
TOTAL			88426.	111741.	133722.	152801.	175793.	194793.
ANNUAL MEAN DAMAGE								78139.

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case 1-1 Present)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	18505.0	-	-	18505.0	-	-	-
1992	9	18513.0	-	-	18513.0	-	-	-
1993	10	10683.0	-	483.0	11166.0	9204.0	-	9204.0
1994	11	|	-	|	|	|	-	|
1995	12	|	-	|	|	|	-	|
1996	13	|	-	|	|	|	-	|
1997	14	10690.0	-	|	11173.0	|	-	|
1998	15	-	-	913.0	913.0	10865.0	-	10865.0
1999	16	-	-	|	|	|	-	|
2000	17	-	-	|	|	|	-	|
2001	18	-	-	|	|	|	-	|
2002	19	-	-	|	|	|	-	|
2003	20	-	-	|	|	|	-	|
2004	21	-	-	|	|	|	-	|
2005	22	-	-	|	|	|	-	|
2006	23	-	-	|	|	|	-	|
2007	24	-	-	|	|	|	-	|

2008	25	-	-				-	
2009	26	-	-				-	
2010	27	-	-				-	
2011	28	-	-				-	
2012	29	-	-				-	
2013	30	-	-				-	
2014	31	-	-				-	
2015	32	-	-				-	
2016	33	-	-				-	
2017	34	-	-				-	
2018	35	-	-				-	
2019	36	-	-				-	
2020	37	-	-				-	
2021	38	-	-				-	
2022	39	-	-				-	
2023	40	-	-				-	
2024	41	-	-				-	
2025	42	-	-				-	
2026	43	-	-				-	
2027	44	-	-				-	
2028	45	-	-				-	
2029	46	-	-				-	
2030	47	-	-				-	
2031	48	-	-				-	
2032	49	-	-				-	
2033	50	-	-				-	
2034	51	-	-				-	
2035	52	-	-				-	
2036	53	-	-				-	
2037	54	-	-				-	
2038	55	-	-				-	
2039	56	-	-				-	
2040	57	-	-				-	
2041	58	-	-				-	
2042	59	-	-				-	
2043	60	-	-	430.0	430.0	1661.0	-	1661.0
2044	61	-	-				-	
2045	62	-	-				-	
2046	63	-	-				-	
2047	64	-	-				-	

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	2668.508	1.027
2	0.080	-17880.530	0.793
3	0.120	-31395.040	0.520
4	0.140	-32523.010	0.436
5	0.160	-32147.700	0.372

CALCULATED IRR= 0.062

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	100626.100	103294.600
2	0.080	86184.720	68304.190
3	0.120	65426.870	34031.830
4	0.140	57693.890	25170.880
5	0.160	51190.530	19042.820

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case 1-1 Future)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	18505.0	-	-	18505.0	-	-	-
1992	9	18513.0	-	-	18513.0	-	-	-
1993	10	10683.0	-	483.0	11166.0	13630.0	-	13630.0
1994	11	|	-	|	|	14242.0	-	14242.0
1995	12	|	-	|	|	14881.0	-	14881.0
1996	13	|	-	|	|	15550.0	-	15550.0
1997	14	10690.0	-	|	11173.0	16252.0	-	16252.0
1998	15	-	-	913.0	913.0	19975.0	-	19975.0
1999	16	-	-	|	|	20873.0	-	20873.0
2000	17	-	-	|	|	21811.0	-	21811.0
2001	18	-	-	|	|	22283.0	-	22283.0
2002	19	-	-	|	|	22773.0	-	22773.0
2003	20	-	-	|	|	23278.0	-	23278.0
2004	21	-	-	|	|	23802.0	-	23802.0
2005	22	-	-	|	|	24347.0	-	24347.0
2006	23	-	-	|	|	24910.0	-	24910.0
2007	24	-	-	|	|	25495.0	-	25495.0

2008	25	-	-			26099.0	-	26099.0
2009	26	-	-			26727.0	-	26727.0
2010	27	-	-			27377.0	-	27377.0
2011	28	-	-			28051.0	-	28051.0
2012	29	-	-			28749.0	-	28749.0
2013	30	-	-			29474.0	-	29474.0
2014	31	-	-			30224.0	-	30224.0
2015	32	-	-			31002.0	-	31002.0
2016	33	-	-			31809.0	-	31809.0
2017	34	-	-			32644.0	-	32644.0
2018	35	-	-			33510.0	-	33510.0
2019	36	-	-			34409.0	-	34409.0
2020	37	-	-			35339.0	-	35339.0
2021	38	-	-			36139.0	-	36139.0
2022	39	-	-			36964.0	-	36964.0
2023	40	-	-			37813.0	-	37813.0
2024	41	-	-			38689.0	-	38689.0
2025	42	-	-			39591.0	-	39591.0
2026	43	-	-			40521.0	-	40521.0
2027	44	-	-			41479.0	-	41479.0
2028	45	-	-			42468.0	-	42468.0
2029	46	-	-			43486.0	-	43486.0
2030	47	-	-			44536.0	-	44536.0
2031	48	-	-			45618.0	-	45618.0
2032	49	-	-			46734.0	-	46734.0
2033	50	-	-			47884.0	-	47884.0
2034	51	-	-			49069.0	-	49069.0
2035	52	-	-			50292.0	-	50292.0
2036	53	-	-			51552.0	-	51552.0
2037	54	-	-			52850.0	-	52850.0
2038	55	-	-			54190.0	-	54190.0
2039	56	-	-			55571.0	-	55571.0
2040	57	-	-			56994.0	-	56994.0
2041	58	-	-			58355.0	-	58355.0
2042	59	-	-			59755.0	-	59755.0
2043	60	-	-	430.0	430.0	10833.0	-	10833.0
2044	61	-	-			11114.0	-	11114.0
2045	62	-	-			11403.0	-	11403.0
2046	63	-	-			11700.0	-	11700.0
2047	64	-	-			12005.0	-	12005.0

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Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	153014.100	2.521
2	0.080	69708.880	1.809
3	0.120	4486.520	1.069
4	0.140	-7856.219	0.864
5	0.160	-14584.530	0.715

CALCULATED IRR= 0.127

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	100626.100	253640.200
2	0.080	86184.720	155893.600
3	0.120	65426.870	69913.380
4	0.140	57693.890	49837.670
5	0.160	51190.530	36606.000

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case1-2 Present)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3171.0	-	-	3171.0	-	-	-
1987	4	3172.0	-	-	3172.0	-	-	-
1988	5	13971.0	-	-	13971.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	16199.0	-	-	16199.0	-	-	-
1992	9	16207.0	-	-	16207.0	-	-	-
1993	10	7047.0	-	404.0	7451.0	8194.0	-	8194.0
1994	11	|	-	|	|	|	-	|
1995	12	|	-	|	|	|	-	|
1996	13	|	-	|	|	|	-	|
1997	14	7053.0	-	|	7457.0	|	-	|
1998	15	-	-	688.0	688.0	9855.0	-	9855.0
1999	16	-	-	|	|	|	-	|
2000	17	-	-	|	|	|	-	|
2001	18	-	-	|	|	|	-	|
2002	19	-	-	|	|	|	-	|
2003	20	-	-	|	|	|	-	|
2004	21	-	-	|	|	|	-	|
2005	22	-	-	|	|	|	-	|
2006	23	-	-	|	|	|	-	|
2007	24	-	-	|	|	|	-	|

2008	25	-	-				-	
2009	26	-	-				-	
2010	27	-	-				-	
2011	28	-	-				-	
2012	29	-	-				-	
2013	30	-	-				-	
2014	31	-	-				-	
2015	32	-	-				-	
2016	33	-	-				-	
2017	34	-	-				-	
2018	35	-	-				-	
2019	36	-	-				-	
2020	37	-	-				-	
2021	38	-	-				-	
2022	39	-	-				-	
2023	40	-	-				-	
2024	41	-	-				-	
2025	42	-	-				-	
2026	43	-	-				-	
2027	44	-	-				-	
2028	45	-	-				-	
2029	46	-	-				-	
2030	47	-	-				-	
2031	48	-	-				-	
2032	49	-	-				-	
2033	50	-	-				-	
2034	51	-	-				-	
2035	52	-	-				-	
2036	53	-	-				-	
2037	54	-	-				-	
2038	55	-	-				-	
2039	56	-	-				-	
2040	57	-	-				-	
2041	58	-	-				-	
2042	59	-	-				-	
2043	60	-	-	284.0	284.0	1661.0	-	1661.0
2044	61	-	-				-	
2045	62	-	-				-	
2046	63	-	-				-	
2047	64	-	-				-	

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	10802.810	1.131
2	0.080	-9548.914	0.866
3	0.120	-24055.960	0.560
4	0.140	-25844.970	0.467
5	0.160	-26113.960	0.396

CALCULATED IRR= 0.070

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	82503.720	93306.520
2	0.080	71177.600	61628.690
3	0.120	54700.190	30644.240
4	0.140	48490.430	22645.460
5	0.160	43232.460	17118.510

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case1-2 Future)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3171.0	-	-	3171.0	-	-	-
1987	4	3172.0	-	-	3172.0	-	-	-
1988	5	13971.0	-	-	13971.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	16199.0	-	-	16199.0	-	-	-
1992	9	16207.0	-	-	16207.0	-	-	-
1993	10	7047.0	-	404.0	7451.0	12053.0	-	12053.0
1994	11	|	-	|	|	12585.0	-	12585.0
1995	12	|	-	|	|	13141.0	-	13141.0
1996	13	|	-	|	|	13722.0	-	13722.0
1997	14	7053.0	-	|	7457.0	14331.0	-	14331.0
1998	15	-	-	688.0	688.0	17957.0	-	17957.0
1999	16	-	-	|	|	18752.0	-	18752.0
2000	17	-	-	|	|	19587.0	-	19587.0
2001	18	-	-	|	|	20055.0	-	20055.0
2002	19	-	-	|	|	20545.0	-	20545.0
2003	20	-	-	|	|	21050.0	-	21050.0
2004	21	-	-	|	|	21574.0	-	21574.0
2005	22	-	-	|	|	22119.0	-	22119.0
2006	23	-	-	|	|	22682.0	-	22682.0
2007	24	-	-	|	|	23267.0	-	23267.0
2008	25	-	-	|	|	23821.0	-	23821.0

2009	26	-	-			24499.0	-	24499.0
2010	27	-	-			25149.0	-	25149.0
2011	28	-	-			25823.0	-	25823.0
2012	29	-	-			26521.0	-	26521.0
2013	30	-	-			27246.0	-	27246.0
2014	31	-	-			27996.0	-	27996.0
2015	32	-	-			28774.0	-	28774.0
2016	33	-	-			29580.0	-	29580.0
2017	34	-	-			30416.0	-	30416.0
2018	35	-	-			31282.0	-	31282.0
2019	36	-	-			32181.0	-	32181.0
2020	37	-	-			33111.0	-	33111.0
2021	38	-	-			33911.0	-	33911.0
2022	39	-	-			34736.0	-	34736.0
2023	40	-	-			35585.0	-	35585.0
2024	41	-	-			36461.0	-	36461.0
2025	42	-	-			37363.0	-	37363.0
2026	43	-	-			38293.0	-	38293.0
2027	44	-	-			39251.0	-	39251.0
2028	45	-	-			40240.0	-	40240.0
2029	46	-	-			41258.0	-	41258.0
2030	47	-	-			42308.0	-	42308.0
2031	48	-	-			43390.0	-	43390.0
2032	49	-	-			44506.0	-	44506.0
2033	50	-	-			45656.0	-	45656.0
2034	51	-	-			46841.0	-	46841.0
2035	52	-	-			48064.0	-	48064.0
2036	53	-	-			49324.0	-	49324.0
2037	54	-	-			50622.0	-	50622.0
2038	55	-	-			51962.0	-	51962.0
2039	56	-	-			53343.0	-	53343.0
2040	57	-	-			54766.0	-	54766.0
2041	58	-	-			56127.0	-	56127.0
2042	59	-	-			57527.0	-	57527.0
2043	60	-	-	284.0	284.0	10833.0	-	10833.0
2044	61	-	-			11114.0	-	11114.0
2045	62	-	-			11403.0	-	11403.0
2046	63	-	-			11700.0	-	11700.0
2047	64	-	-			12005.0	-	12005.0

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	150533.900	2.825
2	0.080	71159.880	2.000
3	0.120	8532.144	1.156
4	0.140	-3568.231	0.926
5	0.160	-10326.660	0.761

CALCULATED IRR= 0.134

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	82503.720	233037.600
2	0.080	71177.600	142337.500
3	0.120	54700.190	63232.340
4	0.140	48490.430	44922.200
5	0.160	43232.460	32905.800

Table ECONOMIC COST AND BENEFIT FLOW FOR FLOOD CONTROL PROJECT (Scheme 1 Case2-1 Present)

(Unit:Rp.M)

Year	Year in Order	Economic Cost: Construction Cost	Economic Cost: Replacement Cost	Economic Cost: O & M Cost	Economic Cost: Total	Economic Benefit: Benefit	Economic Benefit: Negative Benefit	Economic Benefit: Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	17213.0	-	-	17213.0	-	-	-
1992	9	17220.0	-	-	17220.0	-	-	-
1993	10	6613.0	-	483.0	7096.0	9204.0	-	9204.0
1994	11	|	-	|	|	|	-	|
1995	12	|	-	|	|	|	-	|
1996	13	|	-	|	|	|	-	|
1997	14	6621.0	-	|	7104.0	|	-	|
1998	15	-	-	749.0	749.0	10865.0	-	10865.0
1999	16	-	-	|	|	|	-	|
2000	17	-	-	|	|	|	-	|
2001	18	-	-	|	|	|	-	|
2002	19	-	-	|	|	|	-	|
2003	20	-	-	|	|	|	-	|
2004	21	-	-	|	|	|	-	|
2005	22	-	-	|	|	|	-	|
2006	23	-	-	|	|	|	-	|
2007	24	-	-	|	|	|	-	|

2008	25	-	-				-	
2009	26	-	-				-	
2010	27	-	-				-	
2011	28	-	-				-	
2012	29	-	-				-	
2013	30	-	-				-	
2014	31	-	-				-	
2015	32	-	-				-	
2016	33	-	-				-	
2017	34	-	-				-	
2018	35	-	-				-	
2019	36	-	-				-	
2020	37	-	-				-	
2021	38	-	-				-	
2022	39	-	-				-	
2023	40	-	-				-	
2024	41	-	-				-	
2025	42	-	-				-	
2026	43	-	-				-	
2027	44	-	-				-	
2028	45	-	-				-	
2029	46	-	-				-	
2030	47	-	-				-	
2031	48	-	-				-	
2032	49	-	-				-	
2033	50	-	-				-	
2034	51	-	-				-	
2035	52	-	-				-	
2036	53	-	-				-	
2037	54	-	-				-	
2038	55	-	-				-	
2039	56	-	-				-	
2040	57	-	-				-	
2041	58	-	-				-	
2042	59	-	-				-	
2043	60	-	-	266.0	266.0	1661.0	-	1661.0
2044	61	-	-				-	
2045	62	-	-				-	
2046	63	-	-				-	
2047	64	-	-				-	

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	16307.070	1.187
2	0.080	-6911.188	0.908
3	0.120	-24050.940	0.586
4	0.140	-26442.370	0.488
5	0.160	-27082.630	0.413

CALCULATED IRR= 0.073

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	86987.550	103294.600
2	0.080	75215.380	68304.190
3	0.120	58082.770	34031.830
4	0.140	51613.250	25170.880
5	0.160	46125.460	19042.820

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case2-1 Future)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	17213.0	-	-	17213.0	-	-	-
1992	9	17220.0	-	-	17220.0	-	-	-
1993	10	6613.0	-	483.0	7096.0	13630.0	-	13630.0
1994	11	|	-	|	|	14242.0	-	14242.0
1995	12	|	-	|	|	14881.0	-	14881.0
1996	13	|	-	|	|	15550.0	-	15550.0
1997	14	6621.0	-	|	7104.0	16252.0	-	16252.0
1998	15	-	-	749.0	749.0	19975.0	-	19975.0
1999	16	-	-	|	|	20873.0	-	20873.0
2000	17	-	-	|	|	21811.0	-	21811.0
2001	18	-	-	|	|	22283.0	-	22283.0
2002	19	-	-	|	|	22773.0	-	22773.0
2003	20	-	-	|	|	23278.0	-	23278.0
2004	21	-	-	|	|	23802.0	-	23802.0
2005	22	-	-	|	|	24347.0	-	24347.0
2006	23	-	-	|	|	24910.0	-	24910.0
2007	24	-	-	|	|	25495.0	-	25495.0

2008	25	-	-			26099.0	-	26099.0
2009	26	-	-			26727.0	-	26727.0
2010	27	-	-			27377.0	-	27377.0
2011	28	-	-			28051.0	-	28051.0
2012	29	-	-			28749.0	-	28749.0
2013	30	-	-			29474.0	-	29474.0
2014	31	-	-			30224.0	-	30224.0
2015	32	-	-			31002.0	-	31002.0
2016	33	-	-			31809.0	-	31809.0
2017	34	-	-			32644.0	-	32644.0
2018	35	-	-			33510.0	-	33510.0
2019	36	-	-			34409.0	-	34409.0
2020	37	-	-			35339.0	-	35339.0
2021	38	-	-			36139.0	-	36139.0
2022	39	-	-			36964.0	-	36964.0
2023	40	-	-			37813.0	-	37813.0
2024	41	-	-			38689.0	-	38689.0
2025	42	-	-			39591.0	-	39591.0
2026	43	-	-			40521.0	-	40521.0
2027	44	-	-			41479.0	-	41479.0
2028	45	-	-			42468.0	-	42468.0
2029	46	-	-			43486.0	-	43486.0
2030	47	-	-			44536.0	-	44536.0
2031	48	-	-			45618.0	-	45618.0
2032	49	-	-			46734.0	-	46734.0
2033	50	-	-			47884.0	-	47884.0
2034	51	-	-			49069.0	-	49069.0
2035	52	-	-			50292.0	-	50292.0
2036	53	-	-			51552.0	-	51552.0
2037	54	-	-			52850.0	-	52850.0
2038	55	-	-			54190.0	-	54190.0
2039	56	-	-			55571.0	-	55571.0
2040	57	-	-			56994.0	-	56994.0
2041	58	-	-			58355.0	-	58355.0
2042	59	-	-			59755.0	-	59755.0
2043	60	-	-	266.0	266.0	10833.0	-	10833.0
2044	61	-	-			11114.0	-	11114.0
2045	62	-	-			11403.0	-	11403.0
2046	63	-	-			11700.0	-	11700.0
2047	64	-	-			12005.0	-	12005.0

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	166652.600	2.916
2	0.080	80678.220	2.073
3	0.120	11830.610	1.204
4	0.140	-1775.578	0.966
5	0.160	-9519.461	0.794

CALCULATED IRR= 0.137

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	86987.550	253640.200
2	0.080	75215.380	155893.600
3	0.120	58082.770	69913.380
4	0.140	51613.250	49837.670
5	0.160	46125.460	36606.000

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case2-2 Present)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3171.0	-	-	3171.0	-	-	-
1987	4	3172.0	-	-	3172.0	-	-	-
1988	5	13971.0	-	-	13971.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	14967.0	-	-	14967.0	-	-	-
1992	9	14975.0	-	-	14975.0	-	-	-
1993	10	3172.0	-	404.0	3576.0	8194.0	-	8194.0
1994	11	|	-	|	|	|	-	|
1995	12	|	-	|	|	|	-	|
1996	13	|	-	|	|	|	-	|
1997	14	3180.0	-	|	3584.0	|	-	|
1998	15	-	-	531.0	531.0	9855.0	-	9855.0
1999	16	-	-	|	|	|	-	|
2000	17	-	-	|	|	|	-	|
2001	18	-	-	|	|	|	-	|
2002	19	-	-	|	|	|	-	|
2003	20	-	-	|	|	|	-	|
2004	21	-	-	|	|	|	-	|
2005	22	-	-	|	|	|	-	|
2006	23	-	-	|	|	|	-	|
2007	24	-	-	|	|	|	-	|

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2008 25
2009 26
2010 27
2011 28
2012 29
2013 30
2014 31
2015 32
2016 33
2017 34
2018 35
2019 36
2020 37
2021 38
2022 39
2023 40
2024 41
2025 42
2026 43
2027 44
2028 45
2029 46
2030 47
2031 48
2032 49
2033 50
2034 51
2035 52
2036 53
2037 54
2038 55
2039 56
2040 57
2041 58
2042 59
2043 60
2044 61
2045 62
2046 63
2047 64
127.0
127.0
1661.0
1661.0

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	23795.640	1.342
2	0.080	899.953	1.015
3	0.120	-17061.100	0.642
4	0.140	-20053.620	0.530
5	0.160	-21289.990	0.446

CALCULATED IRR= 0.082

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	69510.880	93306.520
2	0.080	60728.740	61628.690
3	0.120	47705.340	30644.240
4	0.140	42699.080	22645.460
5	0.160	38408.500	17118.510

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 1 Case2-2 Future)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3171.0	-	-	3171.0	-	-	-
1987	4	3172.0	-	-	3172.0	-	-	-
1988	5	13971.0	-	-	13971.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	14967.0	-	-	14967.0	-	-	-
1992	9	14975.0	-	-	14975.0	-	-	-
1993	10	3172.0	-	404.0	3576.0	12053.0	-	12053.0
1994	11	|	-	|	|	12585.0	-	12585.0
1995	12	|	-	|	|	13141.0	-	13141.0
1996	13	|	-	|	|	13722.0	-	13722.0
1997	14	3180.0	-	|	3584.0	14331.0	-	14331.0
1998	15	-	-	531.0	531.0	17957.0	-	17957.0
1999	16	-	-	|	|	18752.0	-	18752.0
2000	17	-	-	|	|	19587.0	-	19587.0
2001	18	-	-	|	|	20055.0	-	20055.0
2002	19	-	-	|	|	20545.0	-	20545.0
2003	20	-	-	|	|	21050.0	-	21050.0
2004	21	-	-	|	|	21574.0	-	21574.0
2005	22	-	-	|	|	22119.0	-	22119.0
2006	23	-	-	|	|	22682.0	-	22682.0
2007	24	-	-	|	|	23267.0	-	23267.0

2008	25					23821.0				23821.0
2009	26					24499.0				24499.0
2010	27					25149.0				25149.0
2011	28					25823.0				25823.0
2012	29					26521.0				26521.0
2013	30					27246.0				27246.0
2014	31					27996.0				27996.0
2015	32					28774.0				28774.0
2016	33					29580.0				29580.0
2017	34					30416.0				30416.0
2018	35					31282.0				31282.0
2019	36					32181.0				32181.0
2020	37					33111.0				33111.0
2021	38					33911.0				33911.0
2022	39					34736.0				34736.0
2023	40					35585.0				35585.0
2024	41					36461.0				36461.0
2025	42					37363.0				37363.0
2026	43					38293.0				38293.0
2027	44					39251.0				39251.0
2028	45					40240.0				40240.0
2029	46					41258.0				41258.0
2030	47					42308.0				42308.0
2031	48					43390.0				43390.0
2032	49					44506.0				44506.0
2033	50					45656.0				45656.0
2034	51					46841.0				46841.0
2035	52					48064.0				48064.0
2036	53					49324.0				49324.0
2037	54					50622.0				50622.0
2038	55					51962.0				51962.0
2039	56					53343.0				53343.0
2040	57					54766.0				54766.0
2041	58					56127.0				56127.0
2042	59					57527.0				57527.0
2043	60				127.0	10833.0	127.0			10833.0
2044	61					11114.0				11114.0
2045	62					11403.0				11403.0
2046	63					11700.0				11700.0
2047	64					12005.0				12005.0

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	163526.800	3.353
2	0.080	81608.750	2.344
3	0.120	15527.000	1.325
4	0.140	2223.117	1.052
5	0.160	-5502.699	0.857

CALCULATED IRR= 0.145

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	69510.880	233037.600
2	0.080	60728.740	142337.500
3	0.120	47705.340	63232.340
4	0.140	42699.080	44922.200
5	0.160	38408.500	32905.800

Table

ECONOMIC COST AND BENEFIT FLOW
FOR FLOOD CONTROL PROJECT
(Scheme 2 Case1-1 Present)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	21940.0	-	-	21940.0	-	-	-
1992	9	21947.0	-	-	21947.0	-	-	-
1993	10	21857.0	-	483.0	22340.0	9204.0	-	9204.0
1994	11	|	-	|	|	|	-	|
1995	12	|	-	|	|	|	-	|
1996	13	|	-	|	|	|	-	|
1997	14	21868.0	-	|	22351.0	|	-	|
1998	15	-	-	1350.0	1350.0	11963.0	-	11963.0
1999	16	-	-	|	|	|	-	|
2000	17	-	-	|	|	|	-	|
2001	18	-	-	|	|	|	-	|
2002	19	-	-	|	|	|	-	|
2003	20	-	-	|	|	|	-	|
2004	21	-	-	|	|	|	-	|
2005	22	-	-	|	|	|	-	|
2006	23	-	-	|	|	|	-	|
2007	24	-	-	|	|	|	-	|

2008	25	-	-				-	
2009	26	-	-				-	
2010	27	-	-				-	
2011	28	-	-				-	
2012	29	-	-				-	
2013	30	-	-				-	
2014	31	-	-				-	
2015	32	-	-				-	
2016	33	-	-				-	
2017	34	-	-				-	
2018	35	-	-				-	
2019	36	-	-				-	
2020	37	-	-				-	
2021	38	-	-				-	
2022	39	-	-				-	
2023	40	-	-				-	
2024	41	-	-				-	
2025	42	-	-				-	
2026	43	-	-				-	
2027	44	-	-				-	
2028	45	-	-				-	
2029	46	-	-				-	
2030	47	-	-				-	
2031	48	-	-				-	
2032	49	-	-				-	
2033	50	-	-				-	
2034	51	-	-				-	
2035	52	-	-				-	
2036	53	-	-				-	
2037	54	-	-				-	
2038	55	-	-				-	
2039	56	-	-				-	
2040	57	-	-				-	
2041	58	-	-				-	
2042	59	-	-				-	
2043	60	-	-	867.0	867.0	2759.0	-	2759.0
2044	61	-	-				-	
2045	62	-	-				-	
2046	63	-	-				-	
2047	64	-	-				-	

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Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	B-C	B/C
1	0.060	-26419.350	0.808
2	0.080	-42872.120	0.631
3	0.120	-49347.030	0.423
4	0.140	-47689.800	0.358
5	0.160	-44971.490	0.308

CALCULATED IRR= 0.038

Table INTERNAL RATE OF RETURN (BASE ESTIMATE)

TOTAL COST AND BENEFIT DISCOUNTED

(Unit:Rp.M)

CASE	D/Rate	Cost	Benefit
1	0.060	137828.000	111408.600
2	0.080	116115.300	73243.210
3	0.120	85468.560	36121.530
4	0.140	74286.580	26596.780
5	0.160	65010.350	20038.850

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Table ECONOMIC COST AND BENEFIT FLOW FOR FLOOD CONTROL PROJECT (Scheme 2 Case1-1 Future)

(Unit:Rp.M)

Year	Year in Order	Economic Cost				Economic Benefit		
		Construction Cost	Replacement Cost	O & M Cost	Total	Benefit	Negative Benefit	Total
1984	1	-	-	-	-	-	-	-
1985	2	-	-	-	-	-	-	-
1986	3	3790.0	-	-	3790.0	-	-	-
1987	4	3791.0	-	-	3791.0	-	-	-
1988	5	15130.0	-	-	15130.0	-	-	-
1989	6	|	-	-	|	-	-	-
1990	7	|	-	-	|	-	-	-
1991	8	21940.0	-	-	21940.0	-	-	-
1992	9	21947.0	-	-	21947.0	-	-	-
1993	10	21857.0	-	483.0	22340.0	13630.0	-	13630.0
1994	11	|	-	|	|	14242.0	-	14242.0
1995	12	|	-	|	|	14881.0	-	14881.0
1996	13	|	-	|	|	15550.0	-	15550.0
1997	14	21868.0	-	|	22351.0	16252.0	-	16252.0
1998	15	-	-	1350.0	1350.0	22197.0	-	22197.0
1999	16	-	-	|	|	23207.0	-	23207.0
2000	17	-	-	|	|	24261.0	-	24261.0
2001	18	-	-	|	|	24739.0	-	24739.0
2002	19	-	-	|	|	25235.0	-	25235.0
2003	20	-	-	|	|	25748.0	-	25748.0
2004	21	-	-	|	|	26280.0	-	26280.0
2005	22	-	-	|	|	26832.0	-	26832.0
2006	23	-	-	|	|	27403.0	-	27403.0
2007	24	-	-	|	|	27995.0	-	27995.0

2008	25	-	-			28608.0	-	28608.0
2009	26	-	-			29246.0	-	29246.0
2010	27	-	-			29904.0	-	29904.0
2011	28	-	-			30587.0	-	30587.0
2012	29	-	-			31295.0	-	31295.0
2013	30	-	-			32030.0	-	32030.0
2014	31	-	-			32790.0	-	32790.0
2015	32	-	-			33579.0	-	33579.0
2016	33	-	-			34396.0	-	34396.0
2017	34	-	-			35243.0	-	35243.0
2018	35	-	-			36122.0	-	36122.0
2019	36	-	-			37032.0	-	37032.0
2020	37	-	-			37976.0	-	37976.0
2021	38	-	-			38787.0	-	38787.0
2022	39	-	-			39622.0	-	39622.0
2023	40	-	-			40482.0	-	40482.0
2024	41	-	-			41370.0	-	41370.0
2025	42	-	-			42284.0	-	42284.0
2026	43	-	-			43227.0	-	43227.0
2027	44	-	-			44199.0	-	44199.0
2028	45	-	-			45200.0	-	45200.0
2029	46	-	-			46232.0	-	46232.0
2030	47	-	-			47296.0	-	47296.0
2031	48	-	-			48392.0	-	48392.0
2032	49	-	-			49523.0	-	49523.0
2033	50	-	-			50689.0	-	50689.0
2034	51	-	-			51890.0	-	51890.0
2035	52	-	-			53128.0	-	53128.0
2036	53	-	-			54405.0	-	54405.0
2037	54	-	-			55721.0	-	55721.0
2038	55	-	-			57078.0	-	57078.0
2039	56	-	-			58477.0	-	58477.0
2040	57	-	-			59918.0	-	59918.0
2041	58	-	-			61297.0	-	61297.0
2042	59	-	-			62716.0	-	62716.0
2043	60	-	-	867.0	867.0	13812.0	-	13812.0
2044	61	-	-			14112.0	-	14112.0
2045	62	-	-			14420.0	-	14420.0
2046	63	-	-			14737.0	-	15064.0
2047	64	-	-			15064.0	-	15064.0