&a8L -- KEYW - EYW -- LANDING PERFORMANCE -- KEYW - EYW
--

CANADAIR REGIONAL JET KEY WEST, FL
ELEVATION 3 CF34-3B1 ENG KEY WEST INTL

*** APPROACH CLIMB LIMITS - APPROACH FLAPS 8 ***
CLIMB PERFORMANCE NOT LIMITING BELOW 45 (C)

TEMP(C)	-20	45	49
CLMB WT	55000.	55000.	54294.

CORRECTIONS: BLEED OPEN SUBTRACT 1543 POUNDS ABOVE 45. DEGREES C
COWL ANTIICE ON SUBTRACT 0 POUNDS ABOVE -20. DEGREES C
WING+COWL ANTIICE ON SUBTRACT 0 POUNDS ABOVE -20. DEGREES C

*** LANDING FIELD LENGTH LIMITS - LANDING FLAPS 45 ***

RUNWAY LENGTH SLOPE	WIND KTS	ANTI-SKID SPLRS-OPER DRY	ANTI-SKID SPLRS-OPER WET	OPERATIONAL SPLRS-INOP DRY	OPERATIONAL SPLRS-INOP WET	ANTI-SKID SPLRS-OPER DRY	ANTI-SKID SPLRS-OPER WET	INOPERATIVE SPLRS-INOP DRY	INOPERATIVE SPLRS-INOP WET	LANDING FLAPS 0 DRY
	-10	46659	38099	40776	NA	NA	NA	NA	NA	45366
09										
5801FT	0	55000	48830	51981	42866	NA	NA	NA	NA	55000
0.00										
	10	55000	53031	55000	46636	NA	NA	NA	NA	55000
	20	55000	55000	55000	50544	NA	NA	NA	NA	55000
CRT	TW	-3	0	0	0	0	0	0	0	
SUB	LB/KT	-1191	-1073	-1120	-995	NA	NA	NA	NA	
	-10	46659	38099	40776	NA	NA	NA	NA	NA	45366
27										
5801FT	0	55000	48830	51981	42866	NA	NA	NA	NA	55000
0.00										
	10	55000	53031	55000	46636	NA	NA	NA	NA	55000
	20	55000	55000	55000	50544	NA	NA	NA	NA	55000
CRT	TW	-3	0	0	0	0	0	0	0	
SUB	LB/KT	-1191	-1073	-1120	-995	NA	NA	NA	NA	

24JAN02

&a8L -- KEYW - EYW -- TAKEOFF PERFORMANCE -- KEYW - EYW
--

CANADAIR RJ-700
CF34-8C1 ENG

KEY WEST, FL
KEY WEST INTL

ELEVATION 3
* APU ON *
*** APR ARMED ***

TAKEOFF FLAPS 20.0 DEGREES

ENGINE BLEED CLOSED

RUNWAY		09	27	
LENGTH		5801	5801	CLIMB
SLOPE		0.00	0.00	LIMIT
TMP DEG C	N1-BLD CLSD/OPEN		LIMIT WEIGHT / V1	
-20	82.9/ 82.5	72750/126	72750/126	75000.
-15	83.7/ 83.2	72750/126	72750/126	75000.
-10	84.5/ 84.0	72750/126	72750/126	75000.
-5	85.4/ 84.8	72750/126	72750/126	75000.
0	86.0/ 85.5	72750/126	72750/126	75000.
2	86.3/ 85.8	72750/126	72750/126	75000.
4	86.6/ 86.1	72750/126	72750/126	75000.
6	86.9/ 86.4	72750/126	72750/126	75000.
8	87.2/ 86.7	72750/126	72750/126	75000.
10	87.5/ 87.0	72750/126	72750/126	75000.
12	87.8/ 87.3	72750/126	72750/126	75000.
14	88.1/ 87.6	72750/126	72750/126	75000.
16	88.4/ 87.8	72750/126	72750/126	75000.
18	88.7/ 88.1	72750/126	72750/126	75000.
20	89.0/ 88.4	72750/126	72750/126	75000.
22	89.3/ 88.7	72750/126	72750/126	75000.
24	89.6/ 89.0	72750/126	72750/126	75000.
26	89.8/ 89.3	72750/126	72750/126	75000.
28	90.1/ 89.6	72750/126	72750/126	75000.
30	90.4/ 89.9	72750/126	72750/126	75000.
32	90.1/ 89.5	72260/126	72260/126	75000.
34	89.8/ 89.2	71309/126	71309/126	75000.
36	89.3/ 88.7	70302/125	70302/125	75000.
38	88.8/ 88.2	69245/124	69092/124	74639.
40	88.3/ 87.7	68180/123	67738/123	73007.
45	86.9/ 86.2	65253/121	64416/120	68819.
49	85.7/ 85.0	62974/120	61927/120	65424.

HW	+LBS/KT	161	62	
TW	-LBS/KT	629	629	
APU	OFF+LBS	0	160	510
BLD	OPN-LBS	870	1180	1500
CWL AI	ON-LBS	0	0	0
WNG+CWL AI	-LBS	0	390	0
ACCEL	HT(MSL)	800	800	

*** OBSERVE STRUCTURAL LIMITS *** 24JAN02

&a8L -- KEYW - EYW -- LANDING PERFORMANCE -- KEYW - EYW
--

CANADAIR RJ-700 KEY WEST, FL
ELEVATION 3 CF34-8C1 ENG KEY WEST INTL

*** APPROACH CLIMB LIMITS - APPROACH FLAPS 8 ***
CLIMB PERFORMANCE NOT LIMITING BELOW 49 (C)

CORRECTIONS: BLEED OPEN SUBTRACT 0 POUNDS ABOVE -20. DEGREES C
COWL ANTIICE ON SUBTRACT 0 POUNDS ABOVE -20. DEGREES C
WING+COWL ANTIICE ON SUBTRACT 0 POUNDS ABOVE -20. DEGREES C

*** LANDING FIELD LENGTH LIMITS - LANDING FLAPS 45 ***

RUNWAY LENGTH SLOPE	WIND KTS	DESTINATION AIRPORT DRY	DESTINATION AIRPORT WET	- MEL - ASKD INOP	- MEL - SPLR INOP	- CONTAMINATED RUNWAYS - DRY SNOW	COMP SNOW	SLUSH WATER	ICY RWY	LANDING FLAPS 0 DRY
	-10	63681	NA	NA	NA	62867	67000	57889	NA	63501
	-5	67000	59012	NA	NA	67000	67000	64004	NA	67000
09										
5801FT	0	67000	66575	NA	59163	67000	67000	67000	NA	67000
0.00										
	10	67000	67000	NA	64598	67000	67000	67000	NA	67000
	20	67000	67000	NA	67000	67000	67000	67000	59364	67000
CRT	TW	-7	0	0	0	-7	-10	-2	0	
SUB	LB/KT	-1106	-1523	NA	-1489	-1377	0	-1138	NA	
	-10	63681	NA	NA	NA	62867	67000	57889	NA	63501
	-5	67000	59012	NA	NA	67000	67000	64004	NA	67000
27										
5801FT	0	67000	66575	NA	59163	67000	67000	67000	NA	67000
0.00										
	10	67000	67000	NA	64598	67000	67000	67000	NA	67000
	20	67000	67000	NA	67000	67000	67000	67000	59364	67000
CRT	TW	-7	0	0	0	-7	-10	-2	0	
SUB	LB/KT	-1106	-1523	NA	-1489	-1377	0	-1138	NA	

24JAN02

APPENDIX C
PASSENGER TERMINAL SPACE PROGRAM

KEY WEST INTERNATIONAL AIRPORT - PASSENGER TERMINAL AREA REQUIREMENTS

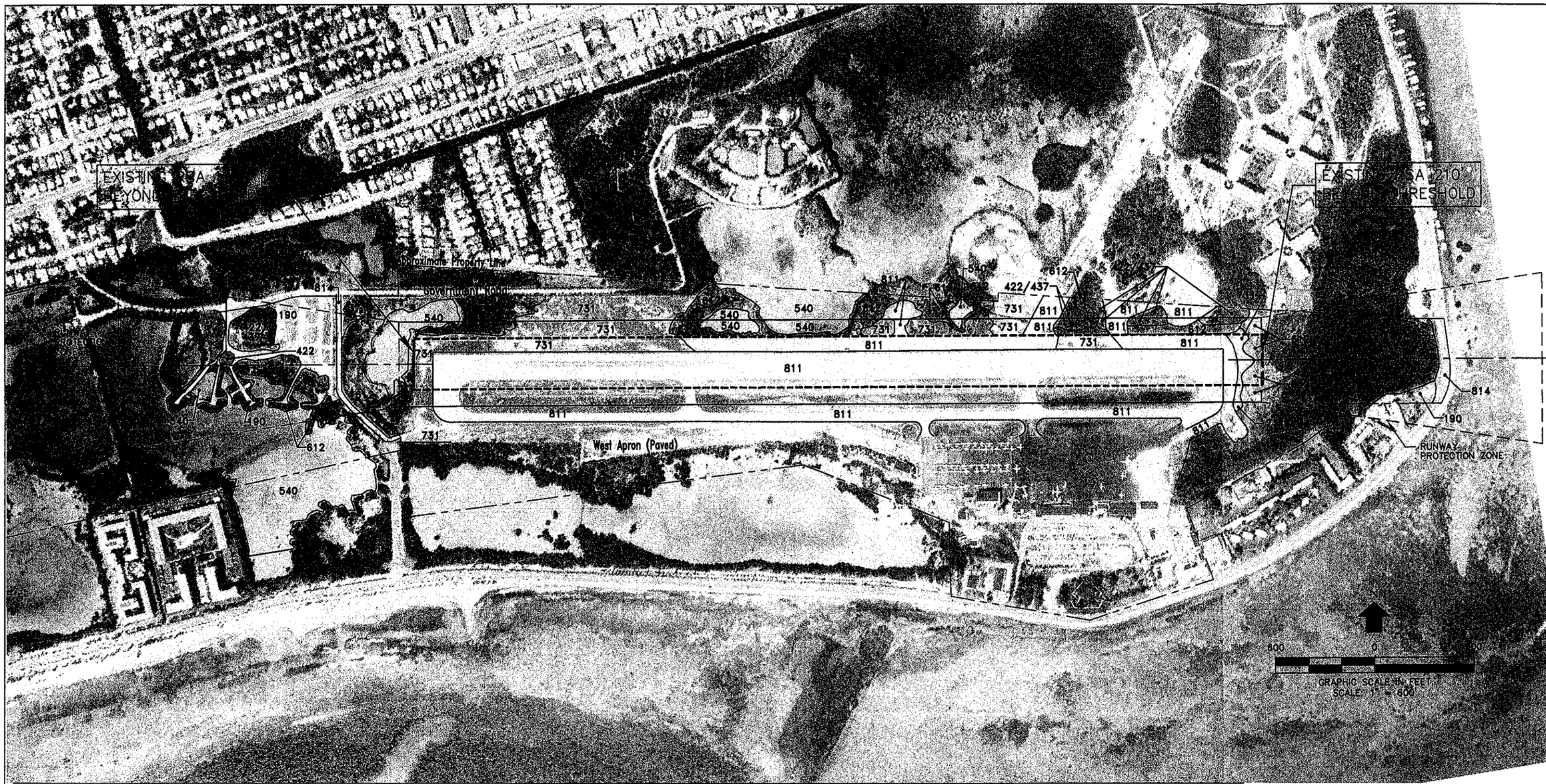
PROGRAM COMPONENTS	2001	2006	2011	2016	2021	REMARKS
PASSENGER CHECK-IN AREA						
NUMBER OF AIRLINES	5	5	5	5	5	
TICKET COUNTER LENGTH (LINEAR FEET)	125	125	125	125	125	25 LINEAR FEET/AIRLINE
TICKET COUNTER AREA DEPTH	69	69	69	69	69	35 OFFICE/BAG MAKE-UP 9 COUNTER DEPTH 10 QUEUE 15 CIRCULATION
TICKET COUNTER AREA	8,625	8,625	8,625	8,625	8,625	
PUBLIC CIRCULATION						
PEAK-HOUR ORIGINATING PASSENGERS	164	192	217	246	278	
WELLWISHER/DEPARTURE HALL	677	792	895	1,015	1,147	15 SQ. FT./PASSENGER AND WELL WISHER WW/PASS = 0.1 15 MIN/PASSENGER DWELL TIME
SUBTOTAL CHECK-IN AREA	9,302	9,417	9,520	9,640	9,772	
PUBLIC SEATING AREA						
PEAK HOUR ORIGINATING PASSENGER	164	192	217	245	277	
PROVIDE SEATING FOR 20% PEAK HOUR PASSENGERS	33	39	44	49	56	20% OF TOTAL ORIGINATING PASSENGERS
VISITORS	4	4	5	5	6	0.1 VISITORS/ PASSENGER
PUBLIC SEATING POPULATION	37	43	49	54	62	
SUBTOTAL SEATING AREA BEFORE SECURITY	555	645	735	810	930	15 SQ. FT./SEAT
SECURITY SCREENING						
SURGE FACTOR = 40% OF PASSENGERS IN 20 MINUTES	197	231	261	296	334	1.2 X ORIGINATING PASSENGERS
DEPARTING VISITORS	-	-	-	-	-	0% OF TOTAL DEPARTING VISITORS X 1.2
ARRIVING VISITORS	-	-	-	-	-	0% OF TOTAL ARRIVING VISITORS X 1.2
TOTAL PEAK HOUR TRAFFIC THROUGH SECURITY	197	231	261	296	334	
SECURITY CHECK POINTS	2	2	3	3	3	125 PEOPLE/HOUR
CHECK POINT AREA	650	650	975	975	975	325 13 FT X 25FT
QUEUE AREA IN FRONT OF SECURITY	260	260	390	390	390	130 FT/CHECK POINT (10FT X 13 FT)
SUBTOTAL FOR SECURITY CHECK POINT AREA	910	910	1,365	1,365	1,365	
BAGGAGE CLAIM						
PEAK HOUR TERMINATING PASSENGERS	164	192	217	245	277	
PASSENGERS CLAIMING BAGGAGE	131	154	174	196	222	0.8 OF PEAK HOUR TERMINATING PASSENGERS
CONCURRENCY FACTOR	66	77	87	98	111	0.5 OF PASSENGERS CLAIMING BAGS
CLAIM DEVICE LINEAR FRONTAGE REQUIRED	99	116	131	147	167	1.5 LF PER PASSENGER CLAIMING BAGS
LENGTH / EQUIVALENT CLAIM UNIT	150	150	150	150	150	
EQUIVALENT CLAIM UNITS REQUIRED	1	1	1	1	2	
AREA/ EQUIVALENT CLAIM UNIT (SQ. FT.)	2,800	2,800	2,800	2,800	2,800	2800 SQ FT/UNIT
BAGGAGE CLAIM AREA	2,800	2,800	2,800	2,800	5,600	
CART STORAGE AREA	400	400	400	400	400	1 1 AREA X 10 FT WIDE X 40 FT LONG
BAGGAGE SERVICE OFFICE	525	614	694	784	886	4 SQ. FT./PASSENGER CLAIMING BAG
SUBTOTAL DOMESTIC BAG CLAIM	3,725	3,725	3,725	3,725	6,525	
MEETER/GREETER AREA						
PASSENGER DWELLING TIME	10 MIN	10 MIN	10 MIN	10 MIN	10 MIN	
GREETER DWELLING TIME	30 MIN	30 MIN	30 MIN	30 MIN	30 MIN	
TERMINATING PASSENGERS	27	32	36	41	46	100% OF TERMINATING PASSENGER DIVIDED BY 6
GREETERS	9	10	11	13	14	100% OF VISITORS DIVIDED BY 2
SUBTOTAL GREETER AREA	720	840	940	1,080	1,200	20 SQ FT/PASSENGER AND GREETER

KEY WEST INTERNATIONAL AIRPORT - PASSENGER TERMINAL AREA REQUIREMENTS

	PROGRAM COMPONENTS	2001	2006	2011	2016	2021	REMARKS
59	**GROUND TRANSPORT**						
60	NUMBER OF RENTAL CAR AGENCIES/ GROUND TRANS.	4	5	5	5	5	
61	LENGTH OF RENTAL CAR COUNTER	80	100	100	100	100	20 L.F. X NUMBER OF AGENCIES
62	DEPTH OF CAR RENTAL COUNTER	37	37	37	37	37	15 FT OFFICE, 7 FT WORK SPACE 5 FT QUEUE 10 FT CIRCULATION
63	RENTAL CAR AREA	2,960	3,700	3,700	3,700	3,700	
64							
65	**HOLDROOMS**						
66	PEAK HOUR ORIGINATING PASSENGER	164	192	217	246	278	
67	DWELLING TIME	30 MIN	30 MIN	30 MIN	30 MIN	30 MIN	
68	SURGE FACTOR = 75% OF PASSENGERS IN 30 MINUTES	123	144	163	185	209	0.75 X TOTAL ORIGINATING PASSENGERS
69	AREA FOR HOLDROOM SEATING	1,845	2,160	2,441	2,768	3,128	15 SQ. FT. PER PASSENGER
70	DEPLANING CORRIDOR	720	720	1,080	1,080	1,080	360 SQFT + 5FT X 30FT DEPARTING PASS. CORRIDOR
71	CIRCULATION CORRIDOR AREA	923	1,080	1,221	1,384	1,564	TOTAL HOLDROOM AREA DIVIDED BY 30 FT DEPTH EQUALS HOLDROOM LENGTH X 15 FT WIDE CORRIDOR
72	SUBTOTAL HOLDROOM AREA	3,488	3,960	4,742	5,231	5,771	
73							
74	**TOILET FACILITIES**						
75	DEPARTURE AREA						
76	PEAK HOUR ORIGINATING PASSENGERS AND VISITORS	180	211	239	271	306	PASSENGER X 1.1
77	PEAK REQUIREMENT FOR TOILETS	9	11	12	14	15	15% OF 20 MIN POPULATION
78	NUMBER OF TOILET MODULES	1	1	1	1	1	15 PEOPLE/EACH MODULE
79	TOILET AREA AT DEPARTURES	768	768	768	768	768	24 FT X 32 FT = 768 SQ FT/EACH MODULE
80							
81	ARRIVAL AREA						
82	PEAK HOUR TERMINATING PASSENGERS AND VISITIORS	180	211	239	270	305	PASSENGER X 1.1
83	PEAK REQUIREMENTS FOR TOILETS	9	11	12	13	15	15% OF 20 MIN POPULATION
84	NO. OF TOILET MODULES	1	1	1	1	1	15 PEOPLE/EACH MODULE
85	TOILET AREA AT ARRIVALS	768	768	768	768	768	24 FT X 32 FT = 768 SQ FT/EACH MODULE
86							
87	HOLDROOM AIRSIDE AREA						
88	PEAK HOUR TOTAL PASSENGERS	164	192	217	245	277	TOTAL PASSENGERS ONLY
89	PEAK REQUIREMENTS FOR TOILETS	8	10	11	12	14	15% OF 20 MINUTE POPULATION
90	NO OF TOILET MODULES	1	1	1	1	1	15 PEOPLE/EACH MODULE
91	TOILET AREA AT HOLDROOMS	418	418	418	418	418	19 FT X 22 FT = 418 SQ FT/EACH MODULE
92							
93	TOTAL TOILET AREA	1,954	1,954	1,954	1,954	1,954	
94							
95	AIRPORT MANAGEMENT OFFICE AREA	3,000	3,000	3,000	3,000	3,000	
96	EMPLOYEE BREAKROOM	450	450	450	450	450	15 FT X 30
97							
98	TOTAL USEABLE SPACE	27,063	28,601	30,131	30,955	34,667	
99	CONCESSION SPACE	4,059	4,290	4,520	4,643	5,200	15% OF USEABLE SPACE
100	SUBTOTAL BUILDING AREA	31,122	32,891	34,650	35,598	39,867	
101	MAINTENANCE AND JANITORIAL	934	987	1,040	1,068	1,196	3% OF BUILDING AREA
102	SUBTOTAL	32,056	33,878	35,690	36,666	41,063	
103							
104	GENERAL CIRCULATION	1,603	1,694	1,784	1,833	2,053	5% OF GROSS FLOOR AREA
105							
106	MECHANICAL/ELECTRICAL SPACE	3,206	3,388	3,569	3,667	4,106	10% OF GROSS FLOOR AREA
107							
108	STRUCTURAL SPACE	1,603	1,694	1,784	1,833	2,053	5% OF GROSS FLOOR AREA
109							
110	TOTAL DOMESTIC TERMINAL	38,468	40,654	42,827	43,999	49,275	

8/19/2002

APPENDIX D
SALT PONDS, WETLANDS, AND MANGROVE MAPS



FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDING
- EXISTING RUNWAY SAFETY AREA

DATE	REVISIONS

ALTERNATIVE 1
NO-ACTION

FIGURE 1

KEY WEST INTERNATIONAL AIRPORT MASTER PLAN UPDATE FLUCFCS – OVERVIEW

DESIGN BY:	RRS
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6-11-02

URS Corporation Southern
7650 West Courtney
Campbell Drive, Suite 100
Tampa, FL 33607-1462
No. 00000002

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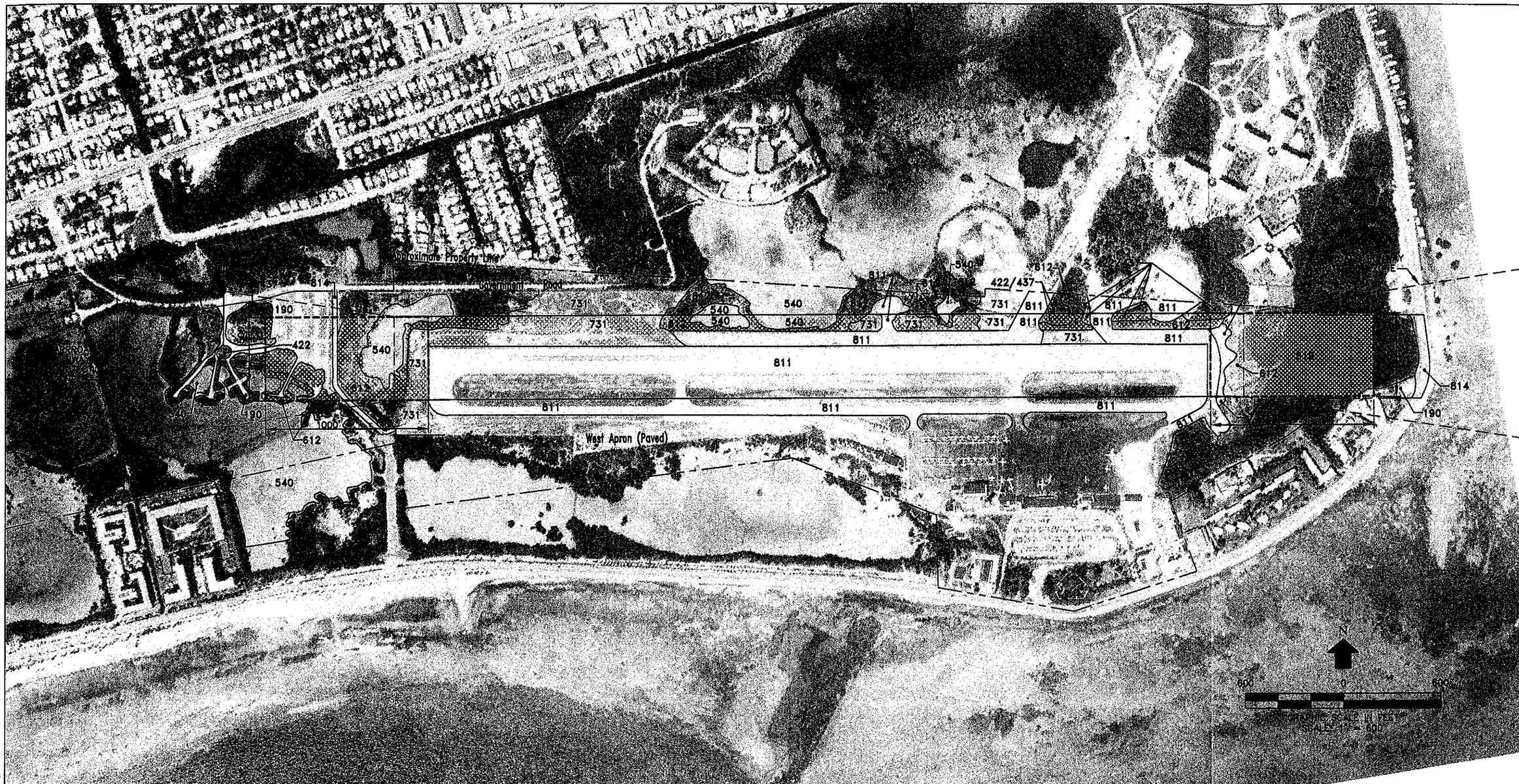


PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.2
540*	3.9
612*	17.3
731*	9.8
811	7.2
814	0.4
TOTAL	43.4

* TOTAL WETLANDS (540,613,731) = 31.0 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT

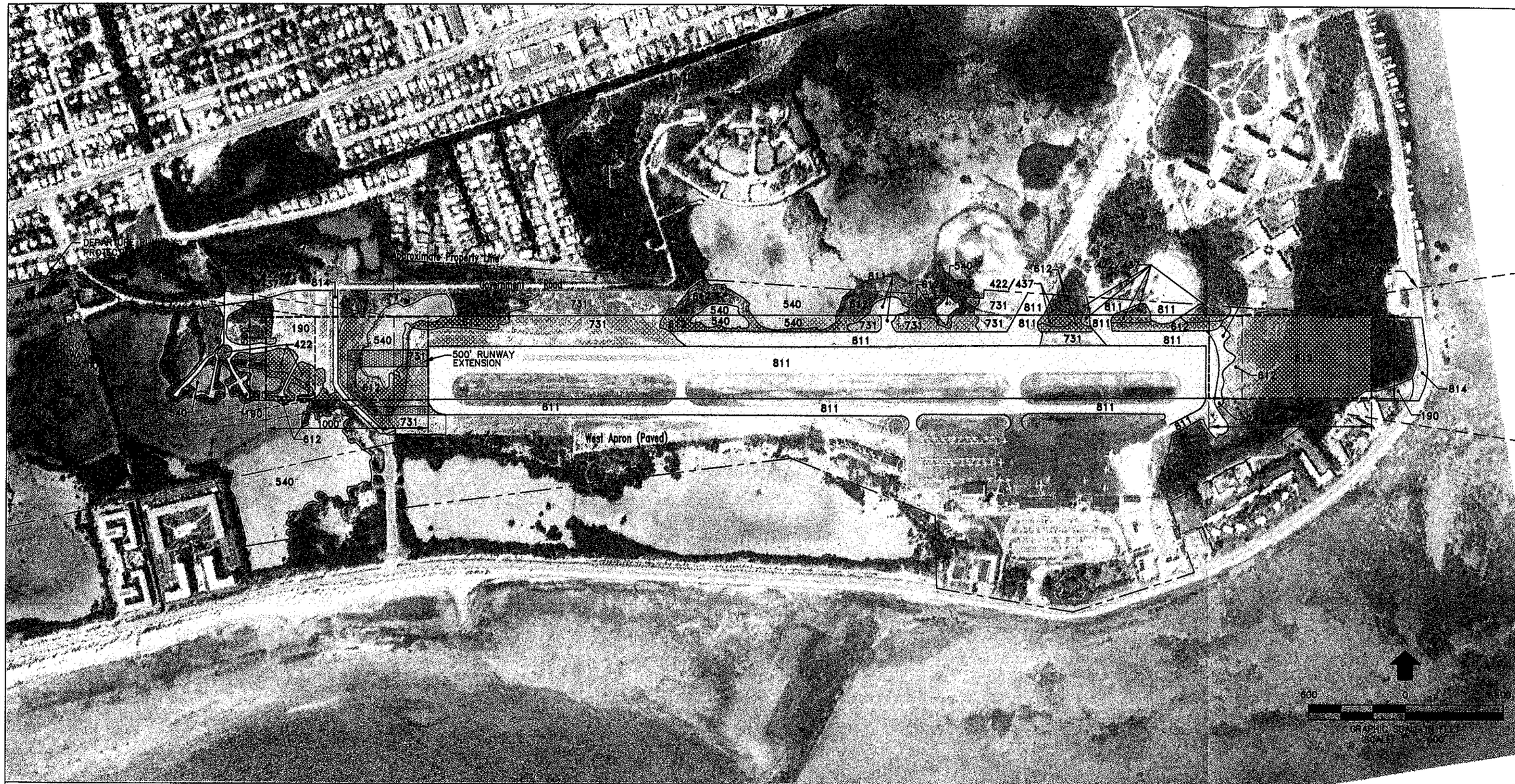
ALTERNATIVE 2
ESTABLISH CATEGORY "D" RUNWAY SAFETY AREAS
FIGURE 2

DATE | REVISIONS

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

DESIGN BY: RRS
DRAWN BY: KFS
CHECKED BY: GGF
DATE: 6-11-02

URS Corporation Southern
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
No. 10000002



PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.2
540*	3.9
612*	18.0
731*	11.3
811	7.2
814	0.4
TOTAL	45.6

* TOTAL WETLANDS (540,613,731) = 33.2 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

ALTERNATIVE 3
500' EXTENSION ON WEST END

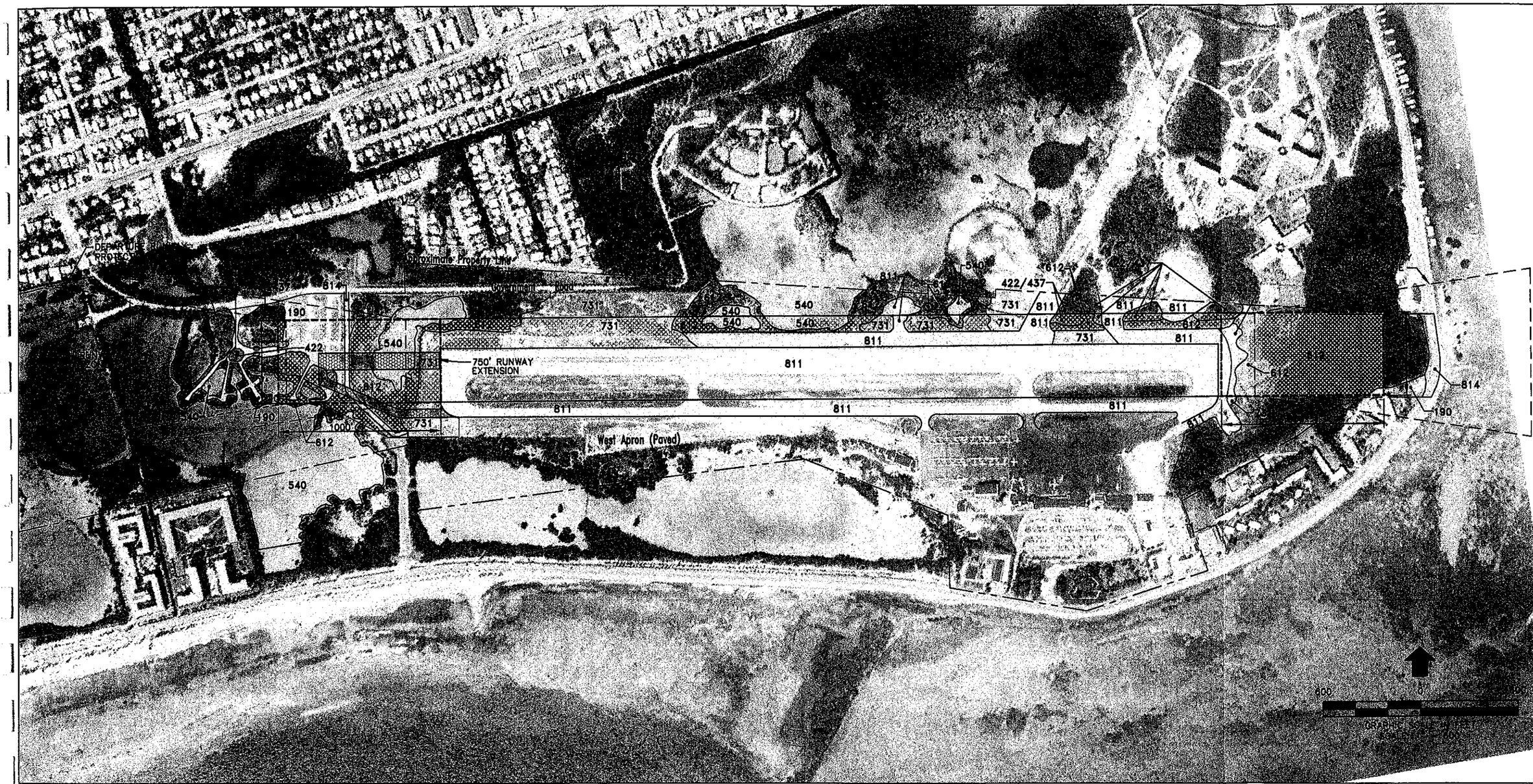
FIGURE 3

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

DATE	REVISIONS

DESIGN BY: RRS
DRAWN BY: KFS
CHECKED BY: GGF
DATE: 6-11-02

URS Corporation Southern
1000 Wilson Boulevard
Campbell Centre I
Tampa, FL 33607-1652
Tel: 813/286-1711



PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.2
540*	3.9
612*	18.6
731*	11.3
811	7.2
814	0.6
TOTAL	46.4

* TOTAL WETLANDS (540,613,731) = 33.8 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- PROPOSED RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

REVISIONS	DATE

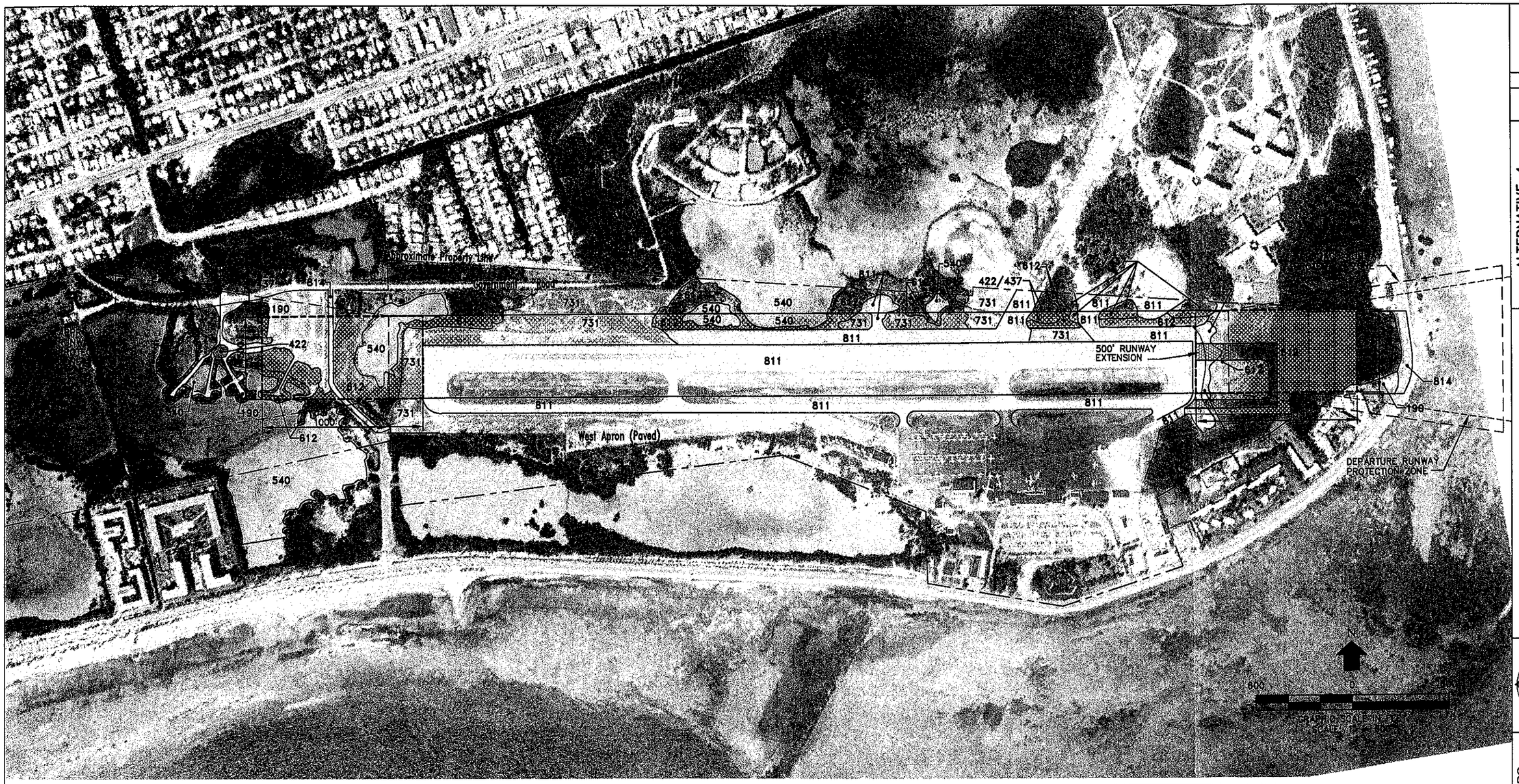
ALTERNATIVE 3A
750' EXTENSION ON WEST END

FIGURE 4

KEY WEST INTERNATIONAL AIRPORT MASTER PLAN UPDATE FLUCFCS – OVERVIEW

DESIGN BY:	RRS
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6-11-02

URS Corporation Southern
1000 Wilson Boulevard
Corporate Courtyard
Tampa, FL 33607-1452
No. 00000000



PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.3
540*	3.9
612*	18.7
731*	9.9
811	7.5
814	0.4
TOTAL	45.3

* TOTAL WETLANDS (540,613,731) = 32.5 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

DATE	REVISIONS

ALTERNATIVE 4
500' EXTENSION ON EAST END

FIGURE 5

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

MONROE COUNTY

DESIGN BY:	RRS
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6-11-02

URS Corporation-Southern
1700 Westbrook Avenue
Campbell Centre V
Tampa, FL 33607-1462
No. 00000002

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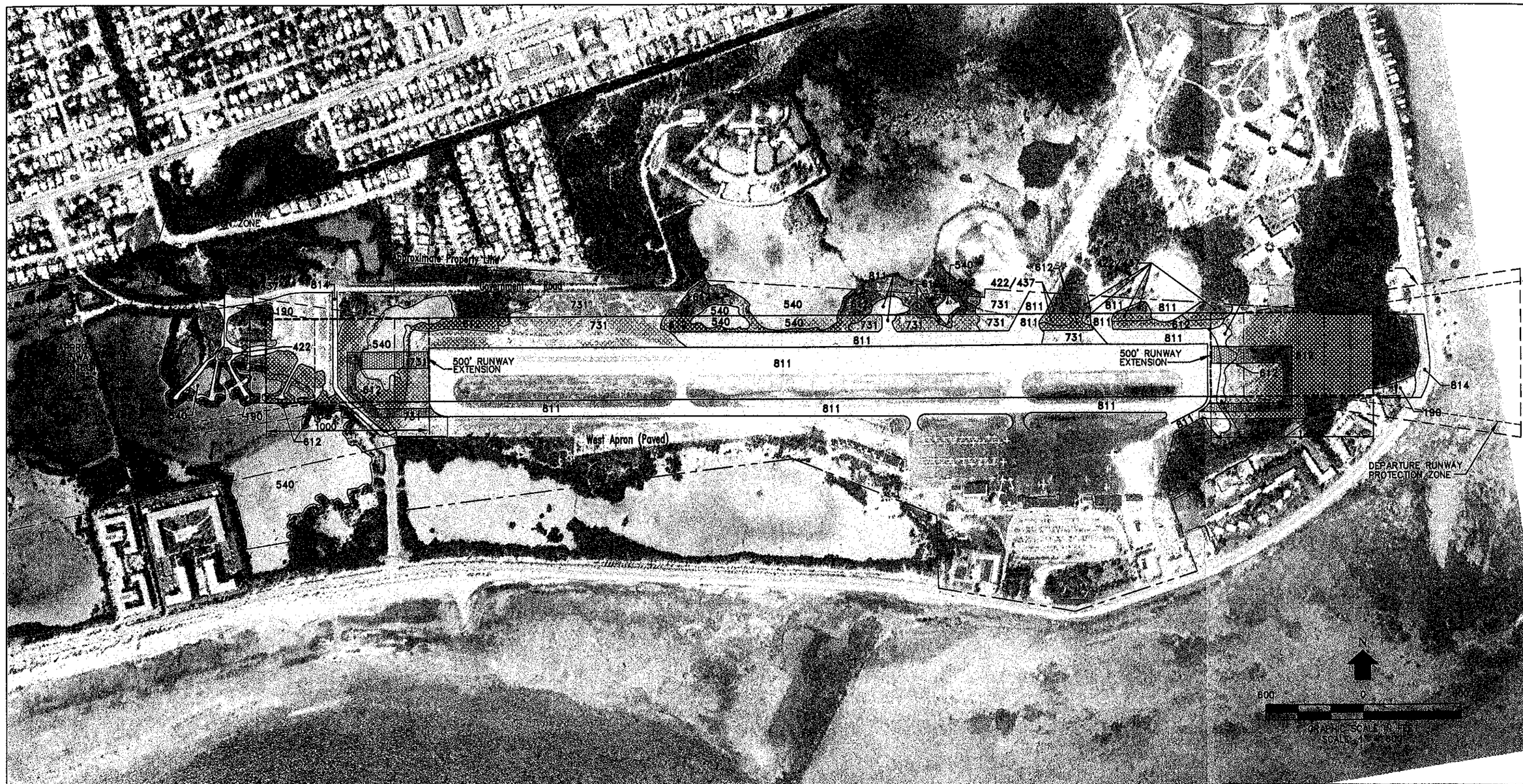

PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.3
540*	3.9
612*	19.4
731*	11.4
811	7.5
814	0.4
TOTAL	47.5

* TOTAL WETLANDS (540,613,731) = 34.7 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

DATE	REVISIONS

ALTERNATIVE 5
500' EXTENSION ON BOTH END
FIGURE 6

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

DESIGN BY:	RRS
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6-11-02

URS Corporation Southern
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
No. 60000022

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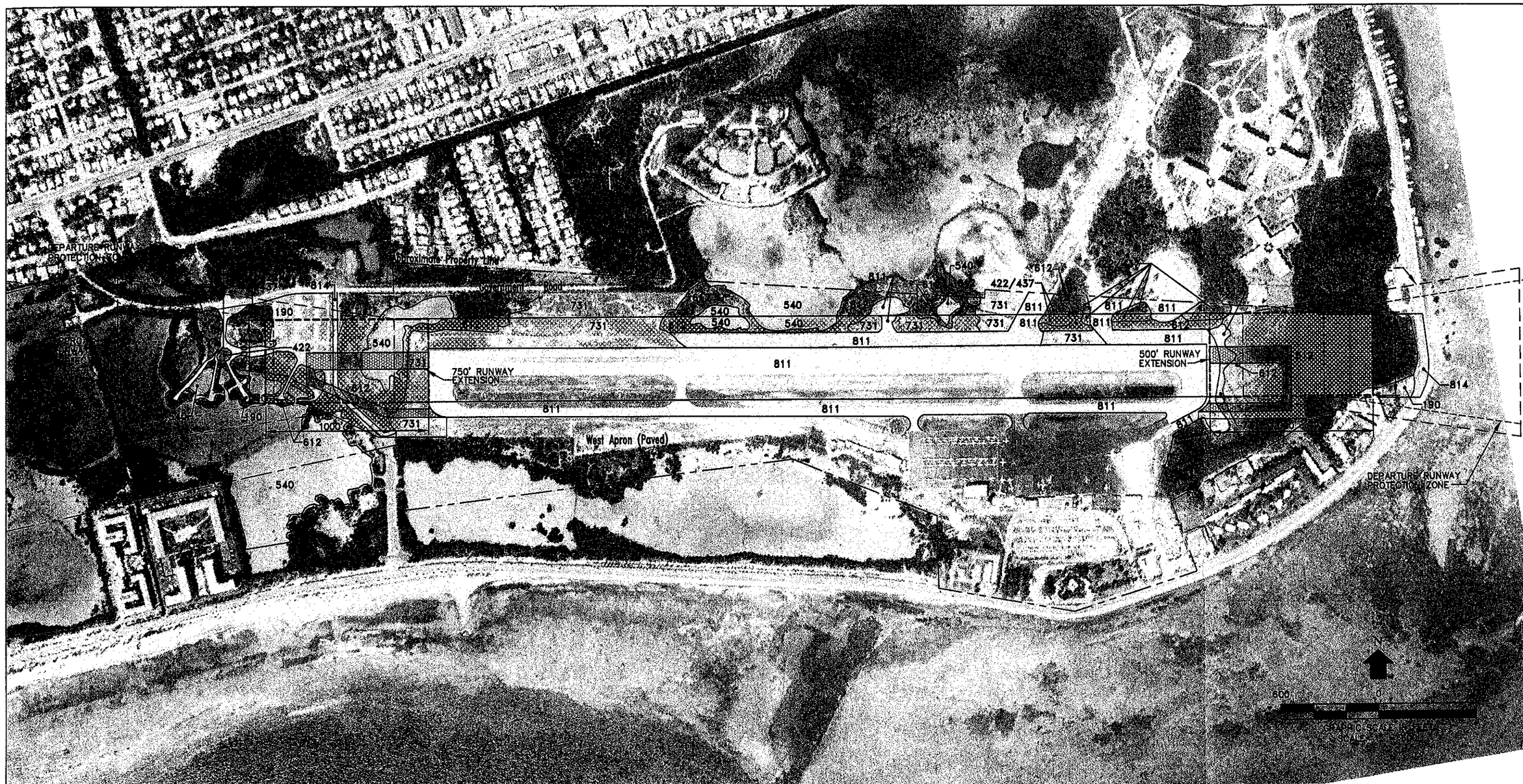

PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	2.6
422/437	2.3
540*	3.9
612*	20.0
731*	11.4
811	7.5
814	0.6
TOTAL	48.3

* TOTAL WETLANDS (540,613,731) = 35.3 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

DATE	REVISIONS

ALTERNATIVE 5A
500' EXTENSION ON EAST END
750' EXTENSION ON WEST END
FIGURE 7

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

DESIGN BY:	GF
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6–11–02

URS Corporation Southern
7205 Wallace Road
Carrollton, Texas 75006-6201
Tel: 972-970-7000
Fax: 972-970-7002
No. 00000002

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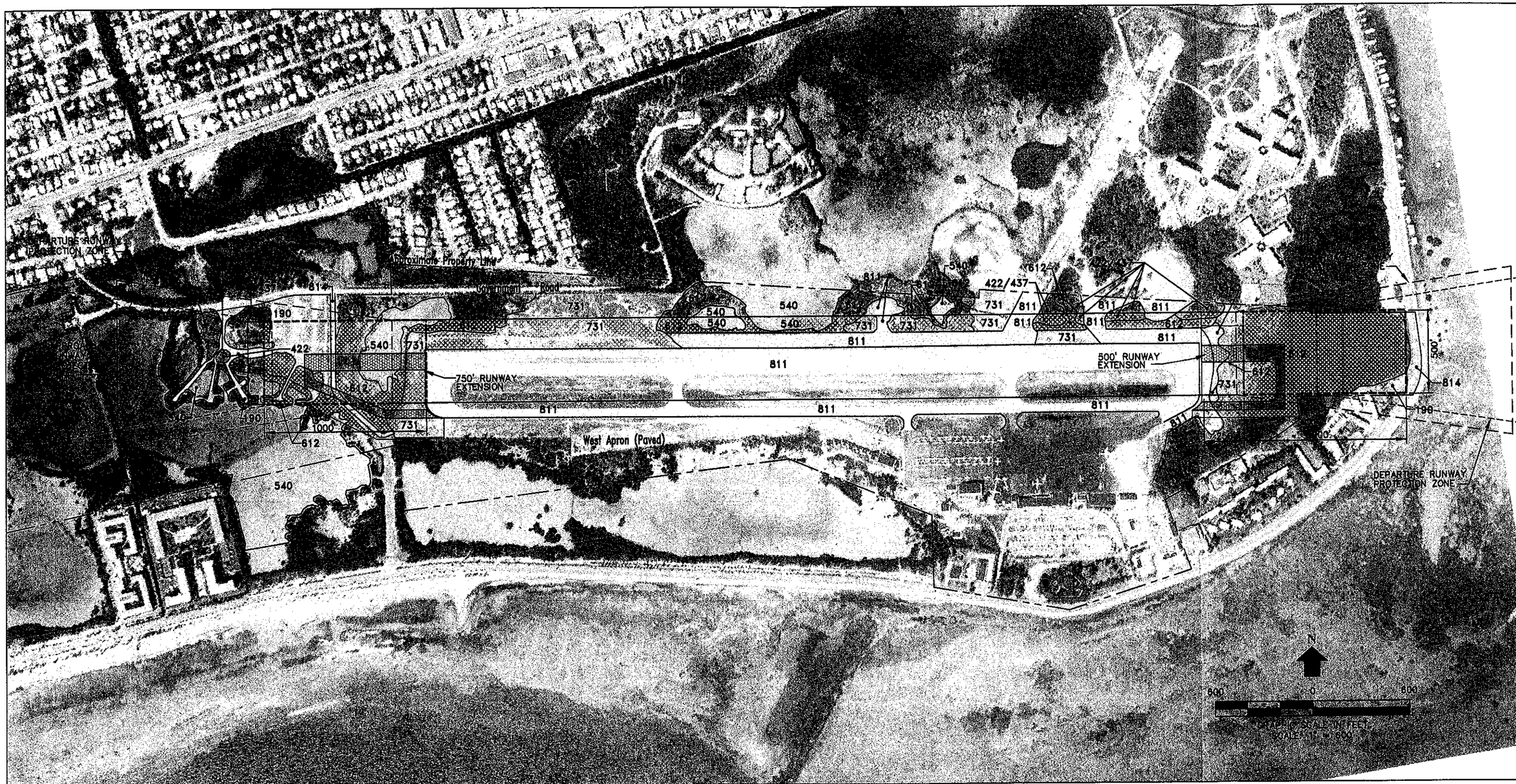

PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	3.0
422/437	2.3
540*	3.9
612*	22.5
731*	11.4
811	7.5
814	0.6
TOTAL	51.2

* TOTAL WETLANDS (540,613,731) = 37.8 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

REVISIONS	DATE

ALTERNATIVE 5B
RUNWAY EXTENSIONS AND EAST RUNWAY SAFETY AREA SHIFT
FIGURE 8

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

MONROE COUNTY

DESIGN BY:	GF
DRAWN BY:	KFS
CHECKED BY:	GGF
DATE:	6-11-02

URS Corporation Southern
Urban Water Center
Compliant Coastway
Tampa, FL 33607-1462
No. 00000002

URS

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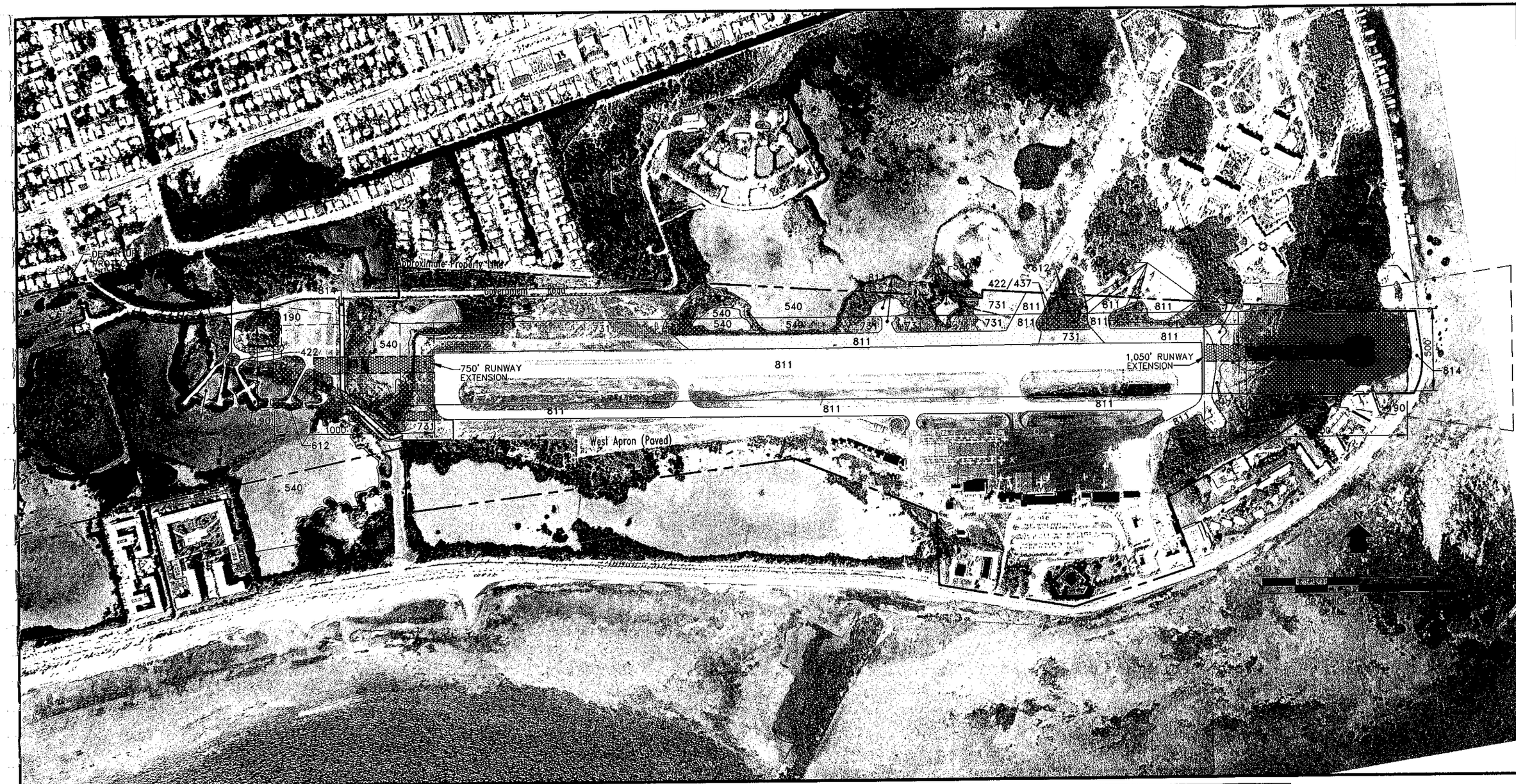

PRELIMINARY PROJECTED IMPACTS (ACRES)	
FLUCFCS CODE	TOTAL
190	3.0
422/437	2.3
540*	3.9
612*	20.9
731*	11.4
811	7.3
814	0.6
TOTAL	49.4

* TOTAL WETLANDS (540,613,731) = 36.2 ACRES.

FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS)

190	OPEN LAND
422/437	BRAZILIAN PEPPER/ AUSTRALIAN PINE
540	BAYS AND ESTUARIES
612	MANGROVE SWAMPS
731	EXPOSED ROCK WITH MARSH GRASSES
811	AIRPORT
814	ROADS AND HIGHWAYS

LEGEND

- AIRPORT PROPERTY LINE
- EXISTING AIRPORT BUILDINGS
- RUNWAY SAFETY AREA
- APPROACH RUNWAY PROTECTION ZONE
- DEPARTURE RUNWAY PROTECTION ZONE
- AREA OF PROJECTED DIRECT IMPACT
- PROPOSED RUNWAY

DATE	REVISIONS

ALTERNATIVE 6
5,800 FEET ON RUNWAYS 9 AND 27
FIGURE 9

KEY WEST INTERNATIONAL AIRPORT
MASTER PLAN UPDATE
FLUCFCS – OVERVIEW

DESIGN BY: GF
DRAWN BY: KFS
CHECKED BY: GGF
DATE: 6-11-02

URS Corporation Southern
7650 West Courtney Campbell Causeway
Tampa, FL 33607-1462
No. 00000002

APPENDIX E
INTEGRATED NOISE MODEL DATA

TABLE E.1

2002 REGIONAL AIR CARRIER
AVERAGE DAILY OPERATIONS SUMMARY
Key West International Airport
Master Plan Update

Aircraft Type		Departures				Arrivals		
		Stage L. 1 (0 - 500nm)		Stage 2 L. (500 - 1000nm)				
Acutal	INM[1]	Day	Night	Day	Night	Day	Night	Total
Canadair Regional Jet 700	BAE146	-	-	0.4959	-	0.4959	-	0.9918
Cessna 402, Piper 31	BEC58P	9.9387	0.9599	-	-	10.8986	-	21.7973
Embraer 137	CL600	0.1496	0.0805	-	-	0.1542	0.0759	0.4603
Canadair Regional Jet	CL601	0.5096	-	-	-	0.5096	-	1.0192
Beech 100	CNA441	0.0247	-	-	-	0.0247	-	0.0493
Beech 1900	DHC6	21.1162	0.9140	-	-	21.1771	0.8530	44.0603
Dash 8, ATR42	DHC8	4.6184	0.8693	-	-	4.5268	0.9608	10.9753
Embraer 120	EMB120	1.8301	-	-	-	1.8301	-	3.6603
Embraer 145	EMB145	0.0053	0.0029	-	-	0.0055	0.0027	0.0164
ATR72	HS748A	4.4168	0.9695	-	-	4.4168	0.9695	10.7726
	Total	42.6093	3.7962	0.4959	-	44.0393	2.8621	93.8027

[1] Integrated Noise Model, Version 6.0c

Source: Key West International Airport, 2002.
Official Airline Guide, 2002.

TABLE E.2

2002 JET AIRCRAFT AVERAGE DAILY OPERATIONS SUMMARY
Key West International Airport
Master Plan Update

Aircraft Type		Departures		Arrivals		
Actual	INM[1]	Day	Night	Day	Night	Total
Boeing 737-300	737300	0.0066		0.0066		0.0132
Canadair Regional Jet 700	BAE146	0.0066		0.0066		0.0132
Cessna 650	CIT3	0.1250		0.1195	0.0055	0.2500
Canadair 600, Falcon 2000/50	CL600	0.1892	0.0082	0.1974		0.3948
Canadair 601	CL601	0.1420	0.0027	0.1448		0.2895
Cessna 500/501/525	CNA500	0.4134	0.0274	0.4107	0.0301	0.8817
Cessna 750	CNA750	0.0855		0.0855		0.1711
Falcon 900	EMB145	0.0302	0.0027	0.0329		0.0658
Falcon 20	FAL20	0.0285	0.0110	0.0367	0.0027	0.0790
Gulfstream II	GIIB	0.0066		0.0066		0.0132
Gulfstream IV	GIV	0.0905	0.0082	0.0932	0.0055	0.1974
Gulfstream V	GV	0.0894	0.0027	0.0866	0.0055	0.1842
Westsind 1125/1125, Galaxy Jet	IA1125	0.2040		0.2040		0.4079
Hawker 100/400/600/700, Lear24/25, Sabreliner 40/60/70	LEAR25	0.3071	0.0219	0.3235	0.0055	0.6580
Beech 400, Falcon 10/200, Hawker 800/1000, Lear 31/35/45/55/60, Sabreliner 65, Lockheed 1329	LEAR35	1.7974	0.0712	1.8138	0.0548	3.7372
Cessna 550/551/560, Mitsubishi 300	MU3001	0.9755	0.0575	0.9755	0.0575	2.0660
	Total	4.4973	0.2137	4.5438	0.1671	9.4219

[1] Integrated Noise Model, Version 6.0c

Source: Island City Flying Service, 2002.
Key West International Airport, 2002.

TABLE E.3

2002 PISTON AND TURBO PROP AIRCRAFT AVERAGE DAILY OPERATIONS SUMMARY
Key West International Airport
Master Plan Update

Aircraft Type		Departures		Arrivals		
Actual	INM[1]	Day	Night	Day	Night	Total
Beech 55/58/76, Cessna 310/337/340/402/411/421, Piper 23/30/31/34/44	BEC58P	19.1619	0.3507	19.2989	0.2137	39.0251
Cessna 150/172/177	CNA172	6.0293	0.1068	6.0348	0.1014	12.2722
Cessna 182/188/210	CNA206	2.0290	0.0329	2.0372	0.0247	4.1237
Convair 340	DC3	0.0000		0.0000		0.0000
Beech 24, Piper 18/28	GASEPF	1.7225	0.0466	1.7198	0.0493	3.5382
Beech 36, Mooney 20, Piper 28/32/46	GASEPV	8.4055	0.1534	8.4603	0.0986	17.1179
Beech 90, Piper 42	CNA441	4.5299	0.0247	4.5326	0.0219	9.1090
Convair 580	CVR580	0.0000		0.0000		0.0000
Beech 200, Merlin, Mitsubishi 2	DHC6	3.1921	0.0548	3.1839	0.0630	6.4939
Gulfstream 159	HS748A	0.6230		0.6175	0.0055	1.2460
	Total	45.6932	0.7699	45.8849	0.5781	92.9260

[1] Integrated Noise Model, Version 6.0c

Source: Key West International Airport, 2002.
URS Corporation, 2003.

TABLE E.4

2002 GENERAL AVIATION AVERAGE DAILY TOUCH AND GO OPERATIONS SUMMARY
Key West International Airport
Master Plan Update

Aircraft Type		Touch and Go		
Actual	INM[1]	Day	Night	Total
Bechcraft Skipper, Cessna 150, Cessna 152, Cessna 172, Cessna 177, Piper Cub (J-3), Piper Cherokee (PA28)	GASEPF	14.1168	0.1859	14.3027
Beechcraft Bonanza, Cessna 182, Cessna 206, Cessna 210, Piper Arrow, Piper Cherokee Six, Piper Lance	GASEPV	11.2934	0.1487	11.4422
Beechcraft Baron, Beechcraft Duke, Beech 18, Cessna 310, Cessna 340, Cessna 402, Cessna 421, Piper Aerostar, Piper Aztec, Piper Seneca, Piper Seminole	BEC58P	2.8234	0.0372	2.8605
Total		28.2336	0.3719	28.6055

[1] Integrated Noise Model, Version 6.0c

Source: URS Corporation, 2002.