12 Scenarios

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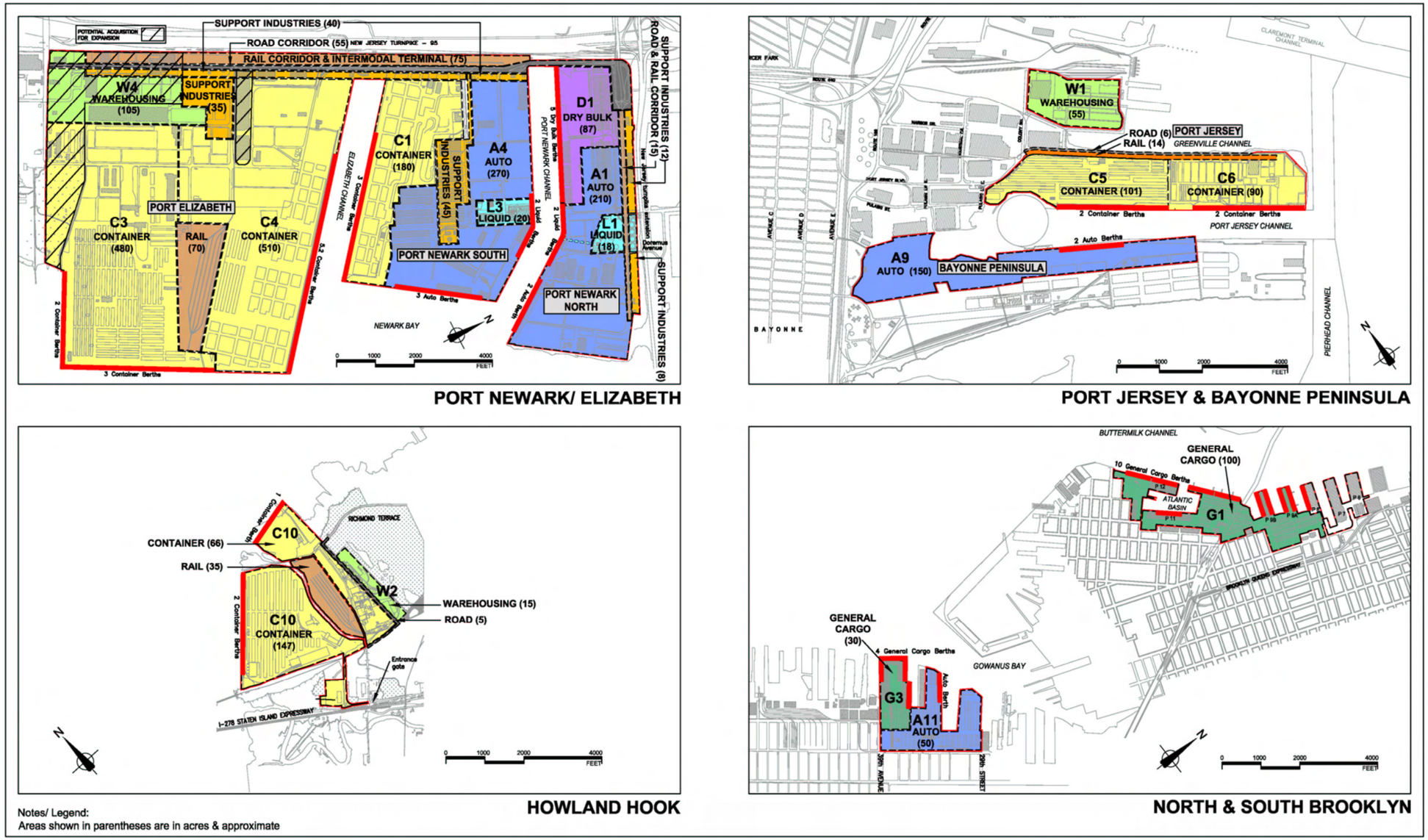

Fig 12.1 - Orange Scenario, 2060

Orange Scenario

1. Area Required

	Containers[1]	Autos	General Cargo	Dry Bulk Cargo	Liquid Bulk Cargo
2060 Forecast Demand	11,300,000	1,100,000	2,528,000	6,170,000	5,086,000
	TEU/yr	units/yr	tons/yr	tons/yr	tons/yr
Productivity	5,000	1,900	20,100	71,500	285,000
	lifts/acre / yr	units/acre / yr	tons/acre /yr	tons/acre / yr	tons/acre / yr
Area requirement (Acres)	**1,329**	**579**	**126**	**86**	**18**

2. Area Allocated

ORANGE	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk		Road & Rail	Warehousing & Terminal Support Industries	Total Area	Area Made up from		
	Option	Area	Option	Area	Option	Area	Option	Area	Option	Area				Existing	Waterfront Fill	Acquired
Port Newark North			A1	210			D1	87	L1	18	45	20	**380**	380	0	0
Port Newark South	C1	180	A4	270					L3	20	45	65	**580**	580	0	0
Port Elizabeth	C3	480									200	160	**1350**	1120	0	230
	C4	510														
Port Jersey	C5	101									20	55	**266**	246[4]	20	0
	C6	90														
Bayonne Peninsula			A9	150									**150**	150	0	0
Howland Hook	C10	213									40	15	**268**	147	3	118
North Brooklyn					G1	100							**100**	80[2]	0	20[3]
South Brooklyn			A11	50	G3	30							**80**	80	0	0
Total Area Allocated (Acres)		**1,574**		**680**		**130**		**87**		**38**	**350**	**315**	**3,174**	**2,783**	**23**	**368**

3. Overall Capacity (following land and berth allocation)

ORANGE	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk	
	Option	Capacity (TEU/yr)	Option	Capacity (units/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)
Port Newark North			A1	399,000			D1	6,220,500	L1	5,130,000
Port Newark South	C1	1,530,000	A4	513,000					L3	5,700,000
Port Elizabeth	C3	4,080,000								
	C4	4,335,000								
Port Jersey	C5	858,500								
	C6	765,000								
Bayonne Peninsula			A9	285,000						
Howland Hook	C10	1,810,500								
North Brooklyn					G1	2,010,000				
South Brooklyn			A11	95,000	G3	603,000				
Total Capacity Provided		13,379,000		1,292,000		2,613,000		6,220,500		10,830,000
2060 Forecast Demand		11,300,000		1,100,000		2,528,000		6,170,000		5,086,000

Notes
1) Based on 1.7 TEU per lift
2) Redhook Terminal
3) North Brooklyn, Pier 12
4) Including existing rail and road corridor

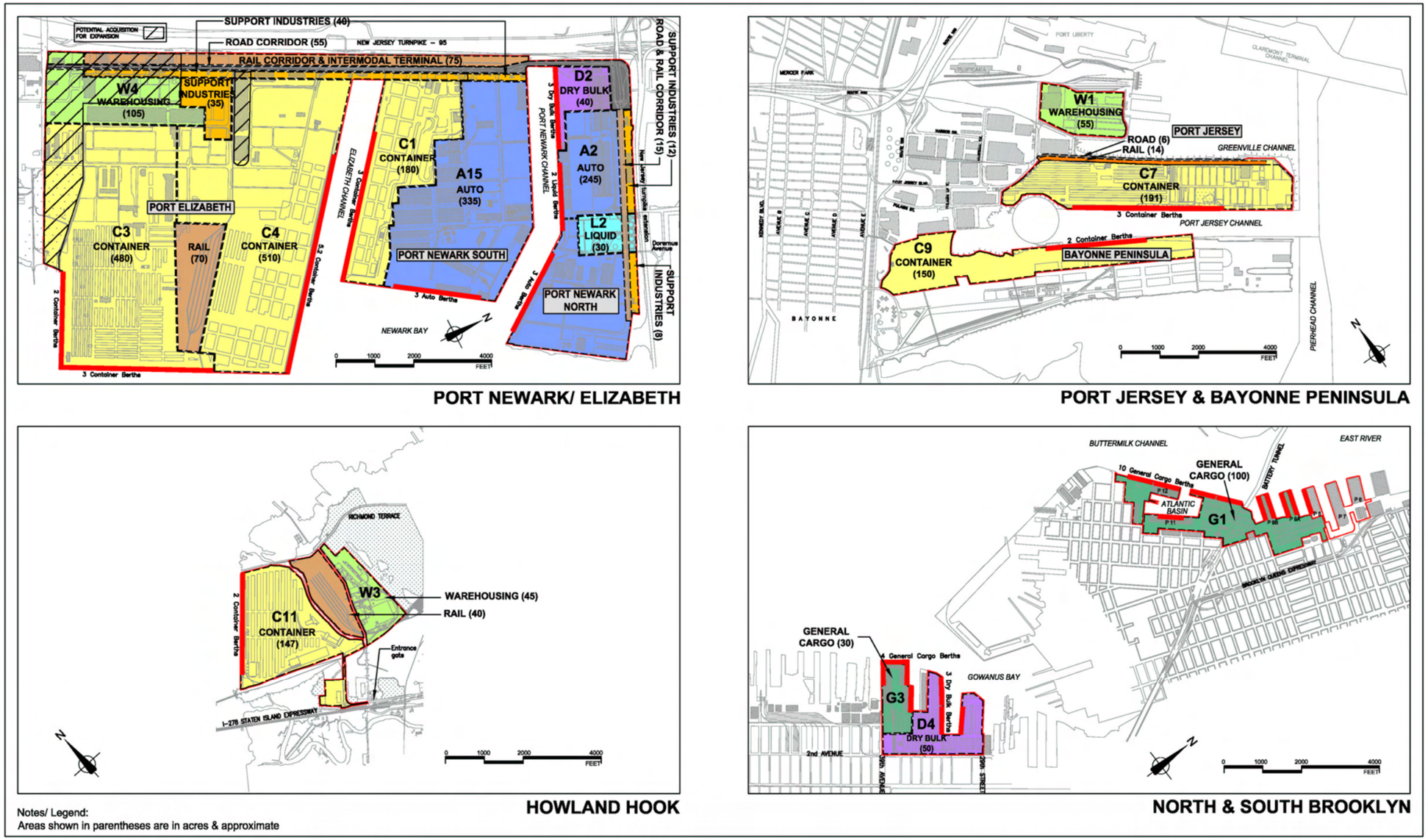

Fig 12.2 - Red Scenario, 2060

1. Area Required

	Containers[1]	Autos	General Cargo	Dry Bulk Cargo	Liquid Bulk Cargo
2060 Forecast Demand	11,300,000	1,100,000	2,528,000	6,170,000	5,086,000
	TEU/yr	units/yr	tons/yr	tons/yr	tons/yr
Productivity	5,000	1,900	20,100	71,500	285,000
	lifts/acre / yr	units/acre / yr	tons/acre /yr	tons/acre / yr	tons/acre / yr
Area requirement (Acres)	**1,329**	**579**	**126**	**86**	**18**

2. Area Allocated

RED	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk		Road & Rail	Warehousing & Terminal Support Industries	Total Area	Area Made up from		
	Option	Area	Option	Area	Option	Area	Option	Area	Option	Area				Existing	Waterfront Fill	Acquired
Port Newark North			A2	245			D2	40	L2	30	45	20	**380**	380	0	0
Port Newark South	C1	180	A15	335							45	20	**580**	580	0	0
Port Elizabeth	C3	480									200	160	**1350**	1120	0	230
	C4	510														
Port Jersey	C7	191									20	55	**266**	246[4]	20	0
Bayonne Peninsula	C9	150											**150**	150	0	0
Howland Hook	C11	147									40	45	**232**	147	0	85
North Brooklyn					G1	100							**100**	80[2]	0	20[3]
South Brooklyn					G3	30	D4	50					**80**	80	0	0
Total Area Allocated (Acres)		**1,658**		**580**		**130**		**90**		**30**	**350**	**300**	**3,138**	**2,783**	**20**	**335**

3. Overall Capacity (following land and berth allocation)

RED	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk	
	Option	Capacity (TEU/yr)	Option	Capacity (units/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)
Port Newark North			A2	465,500			D2	2,860,000	L2	6,494,000
Port Newark South	C1	1,530,000	A15	636,500						
Port Elizabeth	C3	4,080,000								
	C4	4,335,000								
Port Jersey	C7	1,623,500								
Bayonne Peninsula	C9	1,275,000								
Howland Hook	C11	1,249,500								
North Brooklyn					G1	2,010,000				
South Brooklyn					G3	603,000	D4	3,575,000		
Total Capacity Provided		14,093,000		1,102,000		2,613,000		6,435,000		6,494,000
2060 Forecast Demand		11,300,000		1,100,000		2,528,000		6,170,000		5,086,000

Notes
1) Based on 1.7 TEU per lift
2) Redhook Terminal
3) North Brooklyn, Pier 12
4) Including existing rail and road corridor

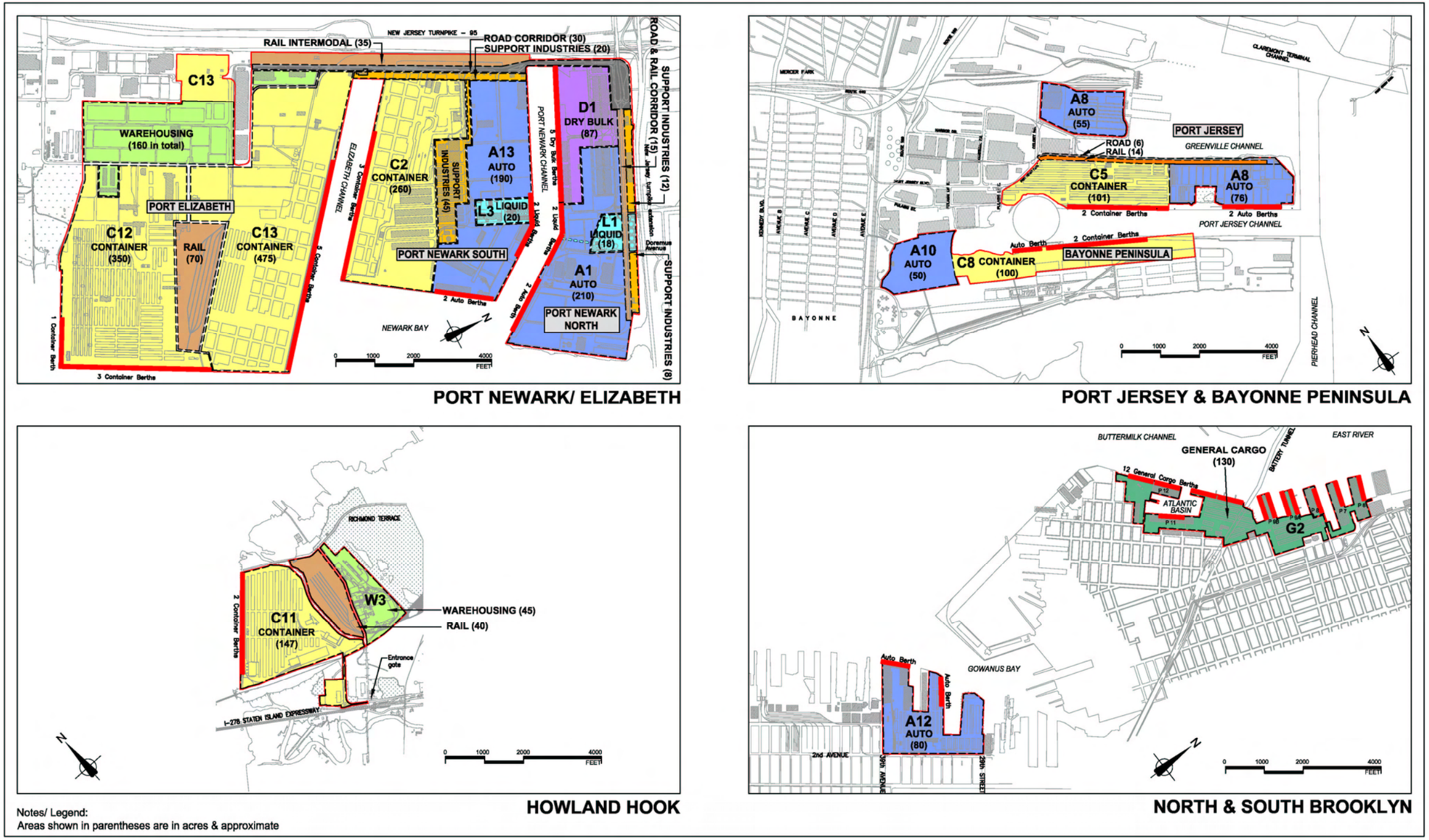

Fig 12.3 - Yellow Scenario, 2060

Yellow Scenario

1. Area Required

	Containers[1]	Autos	General Cargo	Dry Bulk Cargo	Liquid Bulk Cargo
2060 Forecast Demand	11,300,000	1,100,000	2,528,000	6,170,000	5,086,000
	TEU/yr	units/yr	tons/yr	tons/yr	tons/yr
Productivity	5,000	1,900	20,100	71,500	285,000
	lifts/acre / yr	units/acre / yr	tons/acre /yr	tons/acre / yr	tons/acre / yr
Area requirement (Acres)	**1,329**	**579**	**126**	**86**	**18**

2. Area Allocated

YELLOW	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk		Road & Rail	Warehousing & Terminal Support Industries	Total Area	Area Made up from		
	Option	Area	Option	Area	Option	Area	Option	Area	Option	Area				Existing	Waterfront Fill	Acquired
Port Newark North			A1	210			D1	87	L1	18	45	20	**380**	380	0	0
Port Newark South	C2	260	A13	190					L3	20	45	65	**580**	580	0	0
Port Elizabeth	C12	350									135	160	**1120**	1120	0	0
	C13	475														
Port Jersey	C5	101	A8	131							20		**252**	246[4]	6	0
Bayonne Peninsula	C8	100	A10	50									**150**	150	0	0
Howland Hook	C11	147									40	45	**232**	147	0	85
North Brooklyn					G2	130							**130**	80[2]	0	50[3]
South Brooklyn			A12	80									**80**	80	0	0
Total Area Allocated (Acres)		**1,433**		**661**		**130**		**87**		**38**	**285**	**290**	**2,924**	**2,783**	**6**	**135**

3. Overall Capacity (following land and berth allocation)

YELLOW	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk	
	Option	Capacity (TEU/yr)	Option	Capacity (units/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)
Port Newark North			A1	399,000			D1	6,220,500	L1	5,130,000
Port Newark South	C2	2,210,000	A13	361,000					L3	5,700,000
Port Elizabeth	C12	2,975,000								
	C13	4,037,500								
Port Jersey	C5	858,500	A8	248,900						
Bayonne Peninsula	C8	850,000	A10	95,000						
Howland Hook	C11	1,249,500								
North Brooklyn					G2	2,613,000				
South Brooklyn			A12	152,000						
Total Capacity Provided		12,180,500		1,255,900		2,613,000		6,220,500		10,830,000
2060 Forecast Demand		11,300,000		1,100,000		2,528,000		6,170,000		5,086,000

Notes
1) Based on 1.7 TEU per lift
2) Redhook Terminal
3) North Brooklyn, Piers 6,7,8 & 12
4) Including existing rail and road corridor

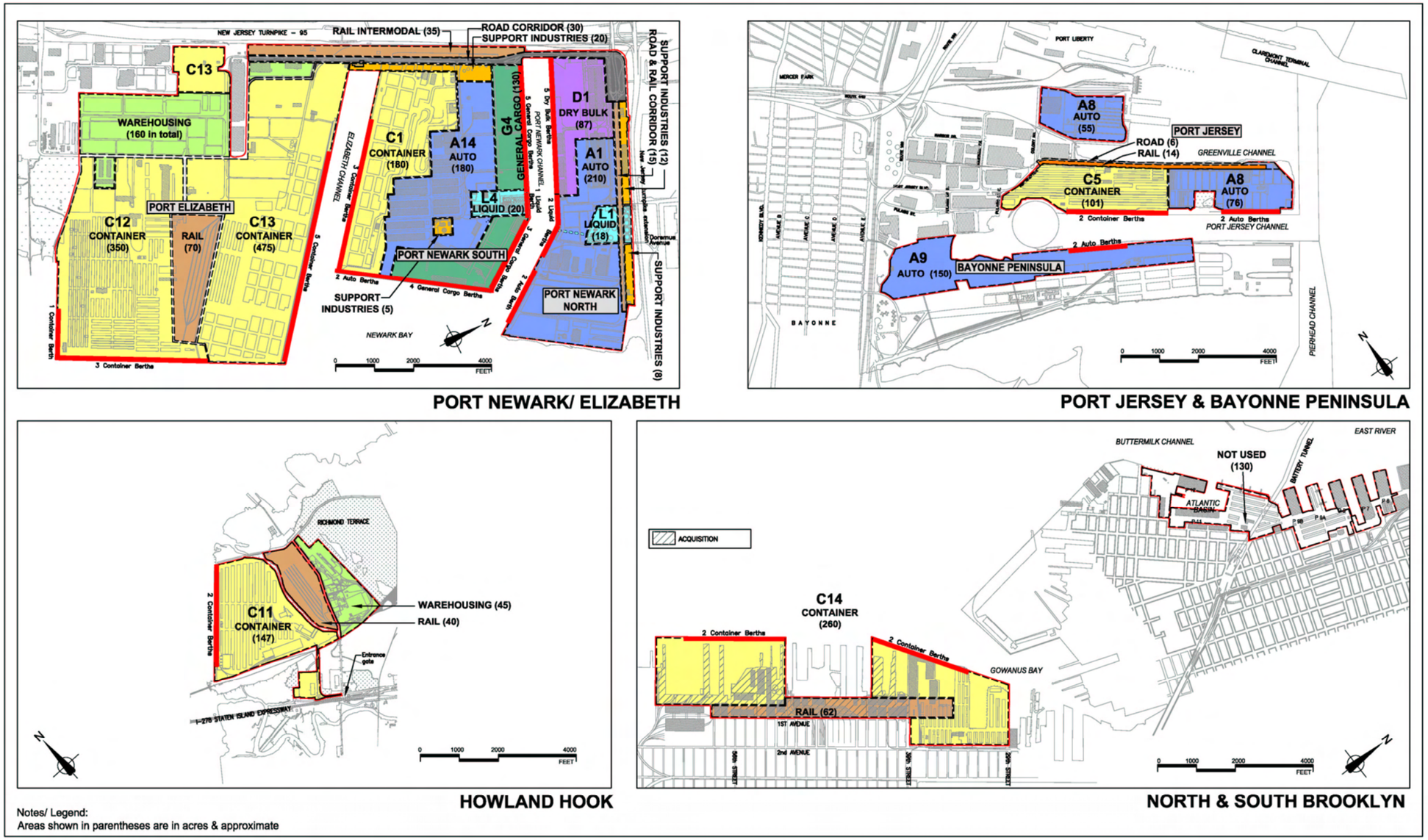

Fig 12.4 - Blue Scenario, 2060

1. Area Required

	Containers[1]	Autos	General Cargo	Dry Bulk Cargo	Liquid Bulk Cargo
2060 Forecast Demand	11,300,000	1,100,000	2,528,000	6,170,000	5,086,000
	TEU/yr	units/yr	tons/yr	tons/yr	tons/yr
Productivity	5,000	1,900	20,100	71,500	285,000
	lifts/acre / yr	units/acre / yr	tons/acre /yr	tons/acre / yr	tons/acre / yr
Area requirement (Acres)	**1,329**	**579**	**126**	**86**	**18**

2. Area Allocated

BLUE	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk		Road & Rail	Warehousing & Terminal Support Industries	Total Area	Area Made up from		
	Option	Area	Option	Area	Option	Area	Option	Area	Option	Area				Existing	Waterfront Fill	Acquired
Port Newark North			A1	210			D1	87	L1	18	45	20	**380**	380	0	0
Port Newark South	C1	180	A14	180	G4	130			L4	20	45	25	**580**	580	0	0
Port Elizabeth	C12	350									135	160	**1120**	1120	0	0
	C13	475														
Port Jersey	C5	101	A8	131							20		**252**	246[2]	6	0
Bayonne Peninsula			A9	150									**150**	150	0	0
Howland Hook	C11	147									40	45	**232**	147	0	85
North Brooklyn													**0**	0	0	0
South Brooklyn	C14	260									62		**322**	80	130	112
Total Area Allocated (Acres)		**1,513**		**671**		**130**		**87**		**38**	**347**	**250**	**3,036**	**2,703**	**136**	**197**

3. Overall Capacity (following land and berth allocation)

BLUE	Containers		Autos		General Cargo		Dry Bulk Cargo		Liquid Bulk	
	Option	Capacity (TEU/yr)	Option	Capacity (units/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)	Option	Capacity (tons/yr)
Port Newark North			A1	399,000			D1	6,220,500	L1	5,130,000
Port Newark South	C1	1,530,000	A14	342,000	G4	2,613,000			L4	1,800,000
Port Elizabeth	C12	2,975,000								
	C13	4,037,500								
Port Jersey	C5	858,500	A8	248,900						
Bayonne Peninsula			A9	285,000						
Howland Hook	C11	1,249,500								
North Brooklyn										
South Brooklyn	C14	2,210,000								
Total Capacity Provided		12,860,500		1,274,900		2,613,000		6,220,500		6,930,000
2060 Forecast Demand		11,300,000		1,100,000		2,528,000		6,170,000		5,086,000

Notes
1) Based on 1.7 TEU per lift
2) Including existing rail and road corridor

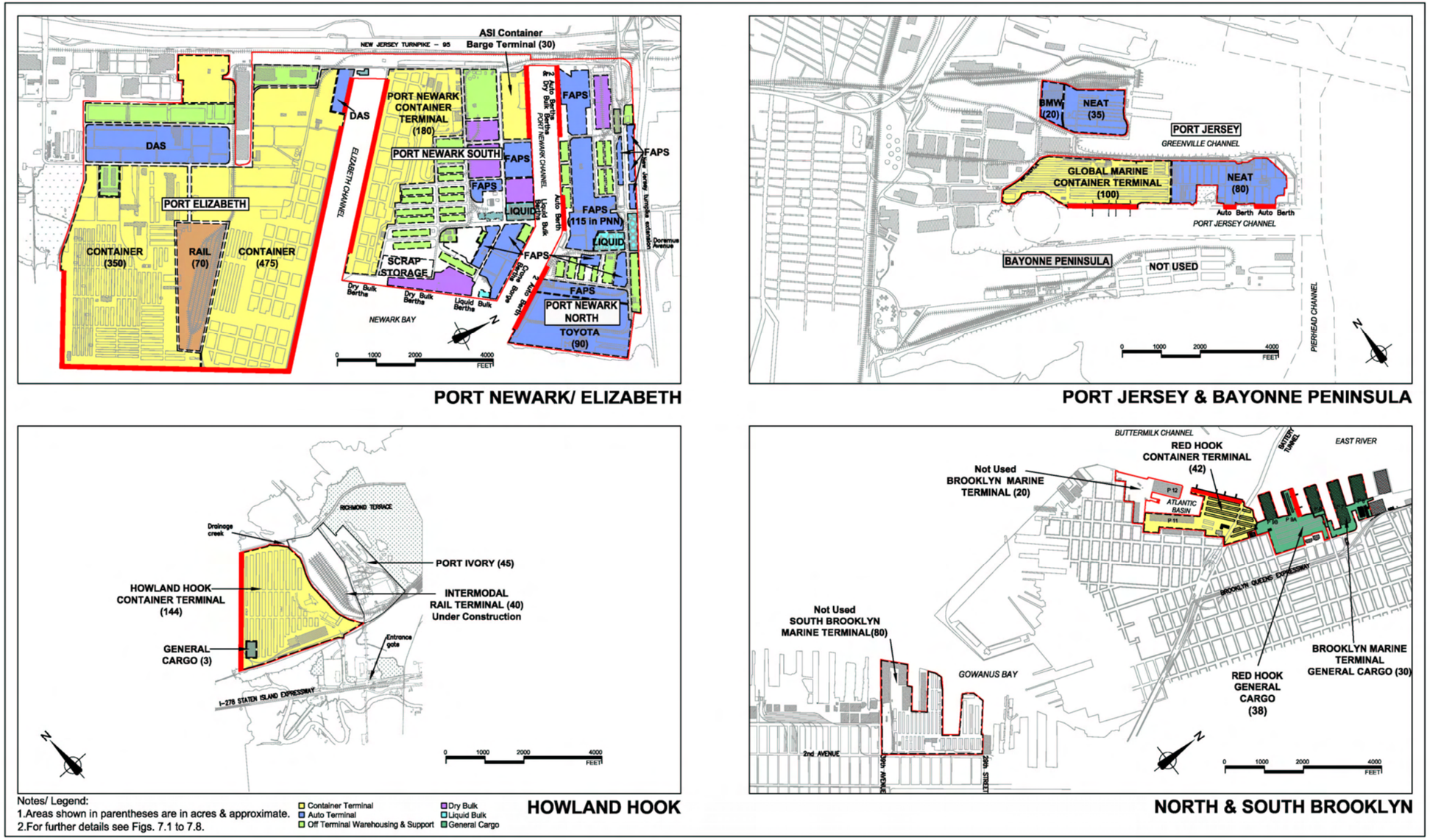

Fig 12.5 - Existing Layout

Existing Land Allocation

EXISTING	Containers	Autos	General Cargo	Dry Bulk Cargo	Liquid Bulk Cargo	Road & Rail	Warehousing & Terminal Support Industries	Miscellaneous & Unused	Total
Port Newark North		205		10	10	50	52	53	**380**
Port Newark South	210	60		60	10	55	87	98	**580**
Port Elizabeth	825	90				115	70	20	**1120**
Port Jersey	100	135							**235**
Bayonne Peninsula								150	**150**
Howland Hook	144		3			40		45	**232**
North Brooklyn	42		68					20	**130**
South Brooklyn								80	**80**
Total Area Allocated (Acres)	**1,321**	**490**	**71**	**70**	**20**	**260**	**209**	**466**	**2,907**