COMPUTATION SHEET

PROJECT: CAT ISLAND CHAIN RESTORATION
SUBJECT:
ITEM: SUMMARY OF ESTIMATED QUANTITIES ALT 2-8
COMPUTED BY: JH
CHECKED BY: JH

DATE:
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ITEM	ALT 2	ALT 3	ALT 4	ALT 5	ALT 6	ALT 7	ALT 8
SHOT ROCK TON	135400 TON	228200 TON	257000 TON	314900	479800	479800	301900 TON
CULVERTS 12" RCP LF	1300 LF	2500 LF	2200 LF	2800	3100	3100	2500 LF
2" BEDDING STONE TON	4850 TON	4850 TON	9833 TON	9833	16933	16933	7700 TON
6"-30" ARMOR STONE TON	34075 TON	34075 TON	47014 TON	47014	122514	122514	62900 TON
GEOTEXTILE SY	13600 SY	13600 SY	28600 SY	28600	50,800	50800	22200 SY
COARSE GRAVEL/COBBLE TON	33100 TON	33100 TON	60100 TON	60100	115200	115200	55100 TON
8" PVC PIPE LF	—	—	300 LF		600	600	

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT-2 - SUMMARY OF ESTIMATED QUANTITIES
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ALTERNATIVE 2 - SUMMARY OF ESTIMATED QUANTITIES

* SHOT ROCK TON = 46,700 TON + 35,500 TON + 50,600 TON + 2600 TON = 135,400 TON

* 12" CIRCULATION CULVERTS LF = 1300 LF

* BEDDING STONE TON = 600 TON + 4250 TON = 4850 TON

* ARMOR STONE (16"-30") RIPRAP TON = 31,975 TON + 2100 REVETMENT = 34,075 TON

* GEOTEXTILE SY = 13,600 SY

* COARSE GRAVEL/COBBLE TON = 33,100 TON

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT-2 ESTIMATED QUANTITIES
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ALTERNATIVE 2: CONSTRUCT A SINGLE ISLAND (WEST ISLAND), A PARTIAL WAVE BARRIER AND AN ACCESS ROAD.

ASSUMPTIONS / DATA:

1- LAND BASED CONSTRUCTION.

2- LENGTH of ACCESS ROAD / WAVE BARRIER = 3632' + 2556' = 6188' (FROM BAIRD'S REPORT 2005

3- WEST ISLAND CAPACITY = 630,000 CY of DREDGED MATERIAL

4- IMPLEMENT VE PROPOSAL NO. 1 & NO 2 SEE ATTACHED SUMMARY

CALCULATIONS: USING BAIRD'S REPORT OF APRIL 2005 THE ESTIMATED QUANTITIES ARE: & SHEETS 1 & 2

CONSTRUCTION ACCESS ROAD: (15' WIDE ACCESS ROAD & LENGTH = 3632')

SHOT ROCK TON = 46,700 TONS (FROM BAIRD'S REPORT of APR 2005)

12" CIRCULATION CULVERTS LF = 1300 (FROM BAIRD'S REPORT of APR 2005)

STONE BASE FOR EXISTING ROAD = 600 TONS (FROM BAIRD'S REPORT of APR 2005)

CONSTRUCTION WAVE BARRIER WITH PIPELINE: LENGTH = 2556', WIDTH = 15'

SHOT ROCK TON = 35,500 TONS

PIPELINE IS ELIMINATED PER VE STUDY PROPOSAL NO. 1

CONSTRUCTION WAVE BARRIER JETTIES:

SHOT ROCK TONS = 50,600 TONS

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT-2 ESTIMATED QUANTITIES
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ALTERNATIVE 2 - CONT.

SHORE PROTECTION:

ARMOR STONE 16"-30" RIPRAP TONS = (37,200 TONS) - (450 FT x 209 FT² x 1 CY / 27 FT³ x 1.5 TON / CY) (5225 TONS (VE SAVING)

= 37,200 TONS - 5225 TONS

= 31,975 TONS

SHOT ROCK TONS = 9800 TON - (450 FT x 288 FT² x 1 CY / 27 FT³ x 1.5 TONS / CY) = 7200 TONS (PER VE SAVINGS)

= 9800 TON - 7200 TON = 2600 TON

BEDDING STONE TON = 5000 TON - (450 x 30 FT² x 1 CY / 27 FT³ x 1.5 TON / CY) = 750 TONS (PER VE SAVINGS)

5000 TON - 750 TON = 4250 TON

GEOTEXTILE SY = 15,400 SY - (450 x 36 FT x 1 SY / 9 FT²) 1800 SY (PER VE SAVINGS)

= 15,400 SY - 1800 SY = 13,600 SY

COARSE GRAVEL/COBBLE TON = 33,100 TON

REVETMENT BARS TON = 2,100 (ARMOR STONE)

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT-3 SUMMARY OF ESTIMATED QUANTITIES
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ALTERNATIVE 3 - SUMMARY OF ESTIMATED QUANTITIES

	ACCESS RD	WAVE BARRIER	JETTIES	SHORE	
* SHOT ROCK TON =	46,700 TON +	128,300 TON +	50,600 TON +	2600 =	228,200 TON

* CIRCULATION CULVERTS LF = 2500 LF

* BEDDING STONE TON = 4850 TON

* ARMOR STONE (16"-30") RIPRAP TON = 31,975 TON + 2100 TON = 34,075 TON

* GEOTEXTILE SY = 13,600 SY

* COARSE GRAVEL / COBBLE TON = 33,100 TON

COMPUTATION SHEET

PROJECT: CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT: ESTIMATED ENGINEER'S QUANTITIES
ITEM: ALT-2 ESTIMATED QUANTITIES
COMPUTED BY: _____ CHECKED BY: SJA

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ALTERNATIVE 2 = CONSTRUCT A SINGLE ISLAND (WEST ISLAND), COMPLETE WAVE BARRIER AND AN ACCESS ROAD.

ASSUMPTIONS/DATA :

1- LAND BASED CONSTRUCTION

2- LENGTH OF ACCESS ROAD/WAVE BARRIER = 3632' (ACCRD) + 2556' + 2399' + 3188' (WAVE BARRIER) = 11,775'

3- WEST ISLAND CAPACITY ± 630,000 CY OF DREDGED MATERIAL

CALCULATIONS : USING BAIRD'S REPORT OF APRIL 2005 & SHEET 3 THE ESTIMATED QUANTITIES ARE :

CONSTRUCTION ACCESS ROAD : SAME AS ALT-1 ESTIMATED QUANTITIES

CONSTRUCTION WAVE BARRIER WITH PIPE LINE : LENGTH = 2556 + 2399 + 3188 = 8143 FT

SHOT ROCK TON = 35,500 TON (WEST ISLAND) + 34,900 (CENTRAL ISL) + 57,900 (EAST ISLAND) = 128,300 TON

PIPELINE IS ELIMINATED PER VE STUDY PROPOSAL NO. 1

CULVERTS = 1300 (ACCESS) + 600 (CENTRAL) + 600 (EAST) = 2500 LF

CONSTRUCTION WAVE BARRIER JETTIES : FOR WEST ISLAND ONLY

SHOT ROCK TON = 50,600 TON

SHORE PROTECTION : WEST ISLAND ONLY

SEE ALT-1 QUANTITIES.

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT - 4 - ESTIMATED QUANTITIES
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ALTERNATIVE 4 - SUMMARY OF ESTIMATED QUANTITIES

* SHOT ROCK TON = 46,700 TON (ACCESS RD) + 70,400 (WEST & CENTRAL) + 115,700 (JETTIES) + 4000 (LAGOON) + 5400 (SHORE) + 9500 (SCOUR) + 5300 (BERM) = 257,000 TON

* CIRCULATION CULVERTS LF = 1900 + 300 = 2200 LF

* BEDDING STONE TON = 600 + 9233 = 9833 TON

* ARMOR STONE (16"-30") RIPRAP TON = 37914 + 4300 + 4800 (REV. BAR) = 47014 TON

* GEOTEXTILE SY = 28,600 SY

* COARSE GRAVEL/COBBLE TON = 60,100 TON

* REVETMENT BARS TON = 4800 TON

* SCOUR STONE TON = 9500 TON

* ISLAND BERMS TON = 5300 TON

* PIPE LF = 300 LF (8" PVC PIPE)

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT-4 - ESTIMATED QUANTITIES
COMPUTED BY JAS CHECKED BY JM

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ALTERNATIVE ~~3~~ 4 - CONSTRUCT TWO ISLANDS (WEST AND MIDDLE ISLANDS), A PARTIAL WAVE BARRIER AND AN ACCESS ROAD

ASSUMPTIONS/DATA - SEE ALTERNATIVE 2

CALCULATIONS

CONSTRUCTION ACCESS ROAD : QUANTITIES SAME AS ALT 2

CONSTRUCTION WAVE BARRIER : LENGTH = 2556 + 2399 = 4955'

SHOT ROCK TON = 35,500 TON (WEST ISL) + 34,900 TON (CENTRAL ISL) = 70,400 TON

CULVERTS = 1300 (ACCESS) + 600 (CENTRAL) = 1900 LF

CONSTRUCTION WAVE BARRIER JETTIES : FOR WEST & CENTRAL ISLAND:

SHOT ROCK TON = 50,600 (WEST) + 65,100 (CENTRAL) = 115,700 TON

LAGOON (BETWEEN WEST & CENTRAL ISLANDS)

SHOT ROCK TON = 4000 TON

PIPE LF = 300

CULVERTS = 300

ARMOR STONE = 4300 TON

SCOUR STONE = 9500 TON

ISLAND BERMS = 5300 TON

ALTERNATIVE 4 – CONTINUED

SHORE PROTECTION (WEST & CENTRAL ISLANDS)

ARMOR STONE 16"-30" RIPRAP TON = (31,995) + (44300 − 550 × 209/27 × 1.5) = 37914 TON (WEST; CENTRAL; VE Prop 2)

SHOT ROCK TON = (2600 TON) + (11,600 − 550 × 288 × 1/27 × 1.5) = 5400 TON (WEST; 2800)

BEDDING STONE TON = (4250) + (5900 − 550 × 30 × 1/27 × 1.5) = 9233 TON (WEST; 4983)

GEOTEXTILE SY = (13,600) + (18,300 − 550 × 36 × 1/9 × 1.5) = 28,600 SY (15000)

COARSE GRAVEL/COBBLE TON = 33,100 TON + 27,000 TON = 60,100 TON

REVETMENT BARS TON = 2100 + 2700 = 4800 TON

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
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ALTERNATIVE 5 - SUMMARY OF ESTIMATED QUANTITIES

* SHOT ROCK TON = 46,700 + 128,300 + 115,700 + 4000 + 5400 + 9500 (SCOUR) + 5300 (BERM) = 314900 TON

* CIRCULATION CULVERTS = 2500 + 300 = 2800 LF

* BEDDING STONE TON = 9833 TON

* ARMOR STONE 16"-30" RIPRAP = 42,214 + 4800 = 47014 TON

* GEOTEXTILE SY = 28,600 SY

* COARSE GRAVEL / COBBLE TON = 60,100 TON

* REVETMENT BARS TON = 4800 TON

* SCOUR STONE TON = 9500 TON

* ISLAND BERMS TON = 5300 TON

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT - 5 ESTIMATED QUANTITIES
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ALTERNATIVE 5 CONSTRUCT TWO ISLANDS (WEST AND MIDDLE ISLANDS) A COMPLETE WAVE BARRIER AND AN ACCESS RD

ASSUMPTIONS / DATA - SEE ALTERNATIVE 2

CALCULATIONS

CONSTRUCTION ACCESS ROAD : QUANTITIES SAME AS ALT 2

CONSTRUCTION WAVE BARRIER : LENGTH = 2556 + 2399 + 3188 = 8143

SHOT ROCK TON = 128,300 TON SEE ALT 2 CALCS

CULVERTS = 2500 LF - SEE ALT 2 CALCS

CONSTRUCTION WAVE BARRIER JETTIES :

SHOT ROCK = 115,700 TON SEE ALT 2 CALCS

LAGOON (BETWEEN WEST & CENTRAL ISLANDS)

SEE CALCS ALT 2 QUANTITIES SAME

SHORE PROTECTION (WEST & CENTRAL)

SEE CALCS ALT 2 QUANTITIES SAME

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
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ITEM ALT - 6 SUMMARY ESTIMATED QUANTITIES
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ALTERNATIVE 6 - SUMMARY OF ESTIMATED QUANTITIES

* SHOT ROCK TON = 46,700 + 128,300 + 188,700 + 8000 + 19600 + 19000 + 69500 = 47980
* CIRCULATION CULVERTS = 2500 + 600 = 3100 LF
* PIPE LF = 600 LF
* BEDDING STONE TON = 16,933 TON
* ARMOR STONE (16"-36") RIPRAP TON = 96,114 + 12,600 + 13800 = 122514 TON
* GEOTEXTILE SY = 50,800 SY
* COARSE GRAVEL / COBBLE TON = 115,200 TON
* REVETMENT BARS TON = 13800 TON
* SCOUR STONE TON = 19,000 TON
* ISLAND BERMS = 10,600 + 12,200 + 46,700 = 69,500 TON

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT 6 – ESTIMATED QUANTITIES
COMPUTED BY JAS CHECKED BY SM

COMPUTATION SHEET

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ALTERNATIVE 6 – CONSTRUCT THREE ISLANDS (WEST, MIDDLE AND EAST), A PARTIAL WAVE BARRIER AND AN ACCESS ROAD.

ASSUMPTIONS/DATA – SEE ALTERNATIVE 2

CALCULATIONS:

CONSTRUCTION ACCESS ROAD: SEE ALTERNATIVE 2 – SAME QUANTITIES

CONSTRUCTION WAVE BARRIER: LENGTH = 2556 + 2399 + 3188 = 8143'

SHOT ROCK TON = 128,300 TON SEE ALT 2 CALCS

CULVERTS LF = 2500 LF

CONSTRUCTION WAVE BARRIER JETTIES:

SHOT ROCK TON = 188,700 TON

LAGOON

SEE ESTIMATED QUANTITIES – ALT 5

SHORE PROTECTION SEE ESTIMATED QUANTITIES – ALT 5

REMOVE TEMPORARY CONSTRUCTION ACCESS ROADS IN GAPS AND REPLACE AS ISLAND BERMS

REMOVE & REPLACE STONE TON = 12,200 TON

REMOVE CONSTRUCTION ACCESS ROAD AND REPLACE AS ISLAND BERMS

REMOVE & REPLACE STONE = 46,700 TON

ARMOR STONE = 12,600 TON.

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
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ITEM ALT - 7 SUMMARY ESTIMATED QUANTITIES
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ALTERNATIVE 7 - SUMMARY OF ESTIMATED QUANTITIES

* SHOT ROCK TON = 46,700 + 128,300 + 188,700 + 8000 + 19600 + 19000 + 69500 = 479800
* CIRCULATION CULVERTS = 2500 + 600 = 3100 LF
* PIPE LF = 600 LF
* BEDDING STONE TON = 16,933 TON
* ARMOR STONE (16"-36") RIPRAP TON = 96,114 + 12,600 + 13800 = 122,514 TON
* GEOTEXTILE SY = 50,800 SY
* COARSE GRAVEL / COBBLE TON = 115,200 TON
* REVETMENT BARS TON = 13800 TON
* SCOUR STONE TON = 19,000 TON
* ISLAND BERMS = 10,600 + 12,200 + 46,700 = 69,500 TON

COMPUTATION SHEET

PROJECT CAT ISLAND CHAIN RESTORATION CAP 204
SUBJECT ESTIMATED ENGINEER'S QUANTITIES
ITEM ALT 7 – ESTIMATED QUANTITIES
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ALTERNATIVE 7 – CONSTRUCT THREE ISLANDS (WEST, MIDDLE AND EAST), A COMPLETE WAVE BARRIER AND AN ACCESS ROAD.

ASSUMPTIONS/DATA – SEE ALTERNATIVE 2

CALCULATIONS:

CONSTRUCTION ACCESS ROAD: SEE ALTERNATIVE 2 SAME QUANTITIES

CONSTRUCTION WAVE BARRIER: LENGTH = 2556 + 2399 + 3188 = 8143'

SHOT ROCK TON = 128,300 TON SEE ALT 2 CALCS

CULVERTS LF = 2500 LF

CONSTRUCTION WAVE BARRIER JETTIES:

SHOT ROCK TON = 188,700 TON

LAGOON

SEE ESTIMATED QUANTITIES – ALT 5

SHORE PROTECTION SEE ESTIMATED QUANTITIES – ALT 5

REMOVE TEMPORARY CONSTRUCTION ACCESS ROADS IN GAPS AND REPLACE AS ISLAND BERMS

REMOVE & REPLACE STONE TON = 12,200 TON

REMOVE CONSTRUCTION ACCESS ROAD AND REPLACE AS ISLAND BERMS

REMOVE & REPLACE STONE = 46,700 TON

ARMOR STONE = 12,600 TON.

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ALTERNATIVE 8 - CONSTRUCT A SINGLE ISLAND (EAST ISLAND), COMPLETE WAVE BARRIER AND AN ACCESS ROAD

CONSTRUCTION ACCESS ROAD : SAME QUANTITY AS ALT-2 ESTIMATED QUANTITIES

SHOT ROCK TON = 46,700 TONS

12" CIRCULATION CULVERTS = 1300 LF

STONE BASE FOR EXISTING ROAD = 600 TONS

CONSTRUCTION WAVE BARRIER = LENGTH = 8,143 LF

SHOT ROCK TON = WEST ISL 35500 TON + CENT 34900 TON + EAST ISL 57900 TON = 128,300 TON
CULVERTS = LF = 600 + 600 = 1200 LF

CONSTRUCTION WAVE BARRIER JETTIES : FOR EAST ISLAND ONLY

SHOT ROCK TON = 73,000 TON

SHORE PROTECTION EAST ISLAND

ARMOR STONE TON = 53,900 TON

SHOT ROCK TON = 14,200 TON

BEDDING STONE TON = 7100 TON

GEOTEXTILE = SY = 22,200 SY

COARSE GRAVEL / COBBLE = TON = 55,100 TON

REVETMENT BARS = TON = 9000 TON

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SUMMARY OF ESTIMATED QUANTITIES:

SHOT ROCK TON = ACC RR 46,700 + WAVE BAR 128,300 TON + WAV BAR JETTIES 73,000 TON + SHORE 53,900

= 301,900 TON

CIRCULATION CULVERTS LF = 1300 + 1200 = 2500 LF

BEDDING STONE TON = 600 TON + 7100 TON = 7700 TON

ARMOR STONE TON = 53,900 TON + REVET BAR 9000 TON = 62,900 TON

GEOTEXTILE SY = 22,200 SY

COARSE GRAVEL / COBBLE TON = 55,100 TON

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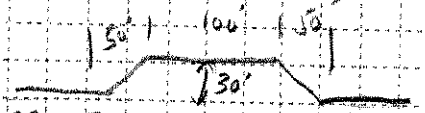
SUMMARY OF ESTIMATED COSTS USING BAIRD'S REPORT QUANTITIES & UNIT COSTS

ITEM	WEST ISLAND/ ACCESS	CENTRAL ISLAND/ ACCESS	EASTERN ISLAND/ ACCESS
MOBILIZATION	300,000	300,000	300,000
CONSTRUCTION ACCESS / BARRIER	2,357,200	2,357,200	2,357,200
WESTERN ISLAND	2,176,850		
CENTRAL ISLAND		2,490,816	
EASTERN ISLAND			3,790,800
SUB TOTAL	4,834,050	5,148,016	6,448,000
CONTINGENCY 20%	966,810	1,029,603	1,289,600
TOTAL	5,800,860	6,177,619	7,737,600

TURNAROUNDS QUANTITIES : ASSUME TWO TURNAROUNDS / ISLAND



COARSE GRAVEL / COBBLE 4500 FT²

$CY = (100 \times 30 + (30 \times 50) \frac{1}{2} \times 2 \times 2.5) / 27 = 333$ CY / TURNAROUND

TOTAL TON OF COARSE GRAVEL/COBBLE = 333 x 2 = 670 CY x 1.5 TON/CY = 1000 TON / ISLAND

SHOT ROCK = CY = 4500 FT² x 6' depth of Shot Rock = 27000 FT³ x 1/27 = 1000 CY / TURNAROUND

TOTAL TON OF SHOT ROCK for TWO TURNAROUND / ISLAND = 1000 x 1.5 TON/CY x 2 = 3000 TON / ISLAND

SUMMARY / ISLAND

FOR EACH ISLAND : TON COARSE GRAVEL/COBBLE = 1000 TON
TON SHOT ROCK = 3000 TON

ESTIMATED COSTS FROM BAIRD'S ESTIMATE 2005

COST of BARRIER + ACCESS =

SHOT ROCK TON = 46,700 (ACC LD) + 128,300 (WAVE BARR) TON = 175,000 TON

CULVERTS LF = 1300 + 1200 = 2500 LF

STONE BASE FOR EXISTING ROAD = 600 TONS

COST $ = 175000 x 12 + 2500 x 100 + 600 x 12 =

= 2,100,000 + 250,000 + 7200 = $ 2,357,200 COST of TOTAL WAVE BARRIER + ACCESS

COST OF EAST ISLAND =

SHOT ROCK TON = 73,000 + 14,200 = 87,200 TON

ARMOR STONE TON = 53,900 TON

BEDDING STONE = 7100 TON

GEOTEXTILE = SY = 22,200 SY

COARSE GRAVEL / COBBLE TON = 55,100 TON

REVETMENT BARS TON = 9000 TON

COST $ EAST ISLAND = (87,200)(12) [31.20] + (53,900)(30) [68] + (7100)(12) [45.25] + (22,200)(5)
+ (55,100)(12) [23.65] + (9000)(30) [23.65] =

= 1,046,400 + 1,617,000 + 85,200 + 111,000 + 661,200 + 270,000

= 3,790,800

2720640 + 3665200 + 321275 + 111000 + 1513600

8,331715

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COST of CENTRAL ISLAND

SHOT ROCK TON = 65000 TON + 2800 (VE P2) = 67,800 TON

ARMOR STONE = 44800 − 550 × 209 × 1.5/27 = 37914 TON

BEDDING STONE = 5,900 − 550 × 30 × 1.5/27 = 4983 TON

GEOTEXTILE = 18,300 − 550 × 36 × 1/9 × 1.5 = 15,000 SY

COARSE GRAVEL / COBBLE TON = 27,000 TON

REVETMENT BARS TON = 2700 TON

COST $ CENTRAL ISLAND = (67800)(12) + (37,914)(30) + (4983)(12) + (15000)(5)
+ (27000)(12) + (2700)(30)
= 813,600 + 1,137,420 + 59,796 + 75,000 + 324,000 + 81000
= $2,490 816

COST of WEST ISLAND

SHOT ROCK TON = 50,600 + 2600 (VE) = 53,200 TON

ARMOR STONE = 31,975 TON

BEDDING STONE TON = 4250 TON

GEOTEXTILE SY = 13,600 SY

COARSE GRAVEL / COBBLE TON = 33,100 TON

REVETMENT BARS = 2100 TON

COST $ WEST ISLAND = (53,200)(12) + (31975)(30) + (4250)(12) + (13,600)(5) + (33,100)(12)
= + (2100)(30) =

COST $ = 638,400 + 959,250 + 51,000 + 68,000 + 397200 + 63,000 = $2,176,850