

CENTRAL EVERGLADES PLANNING PROJECT



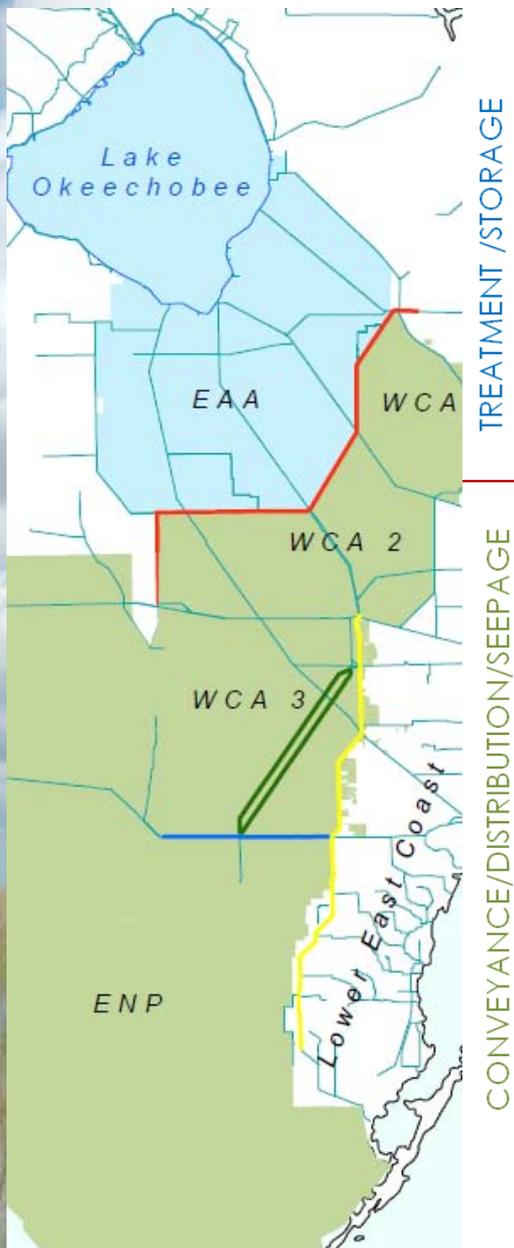
Governing Board Update

PRESENTED BY

Tom Teets,
Office of Everglades Policy and
Coordination

December 13, 2012

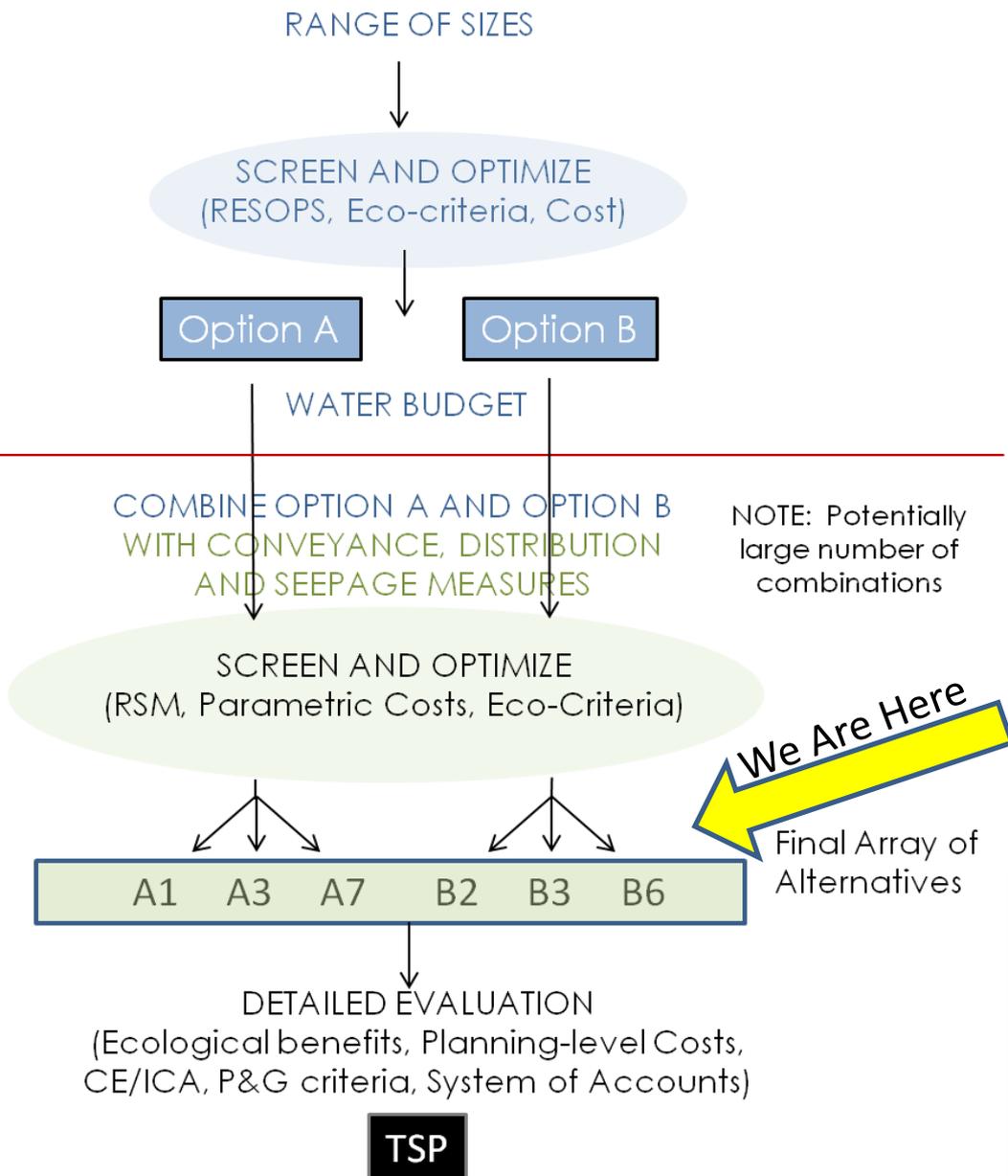
CEPP PLAN FORMULATION FRAMEWORK



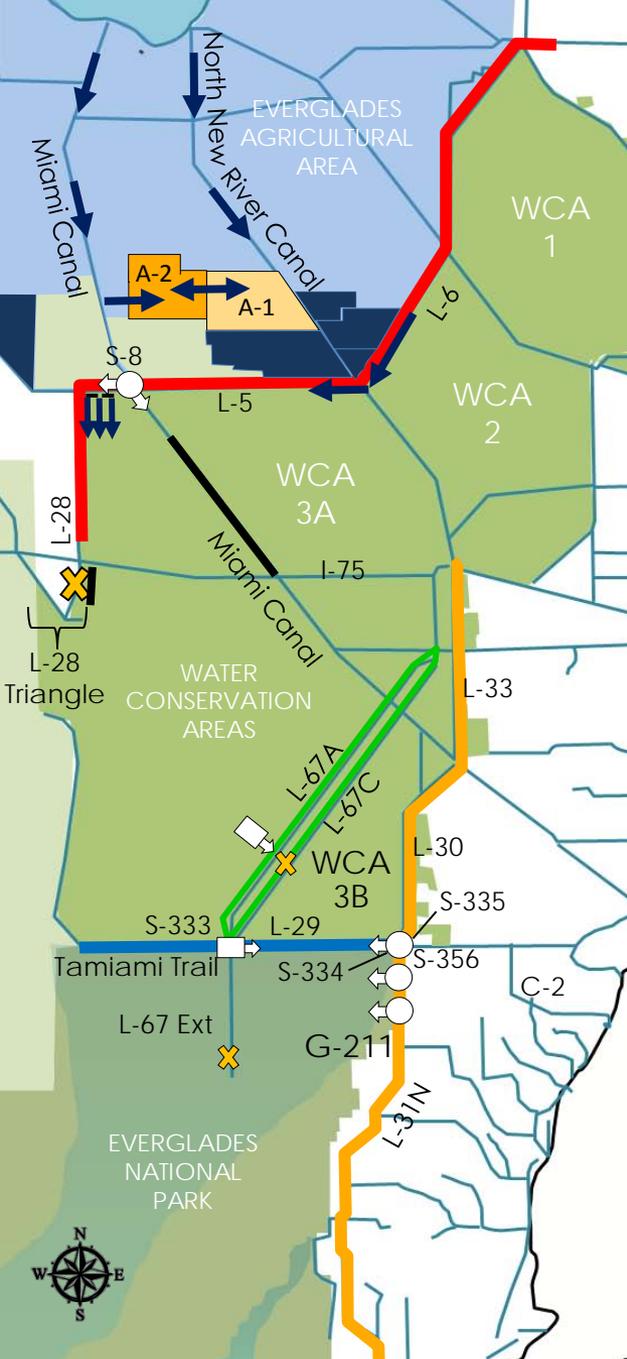
TREATMENT / STORAGE

CONVEYANCE/DISTRIBUTION/SEEPAGE

INITIAL SCREENING



PROPOSED ALTERNATIVE 1



STORAGE AND TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/CONVEYANCE

- Diversion of L-6 flows and L-5 canal improvements
- Spreader canal ~3 miles west of S-8 (3,000 cfs)
- Backfill Miami Canal from ~1.5 miles south of S-8 to I-75
- L-28 Triangle – gap levee

DISTRIBUTION/CONVEYANCE

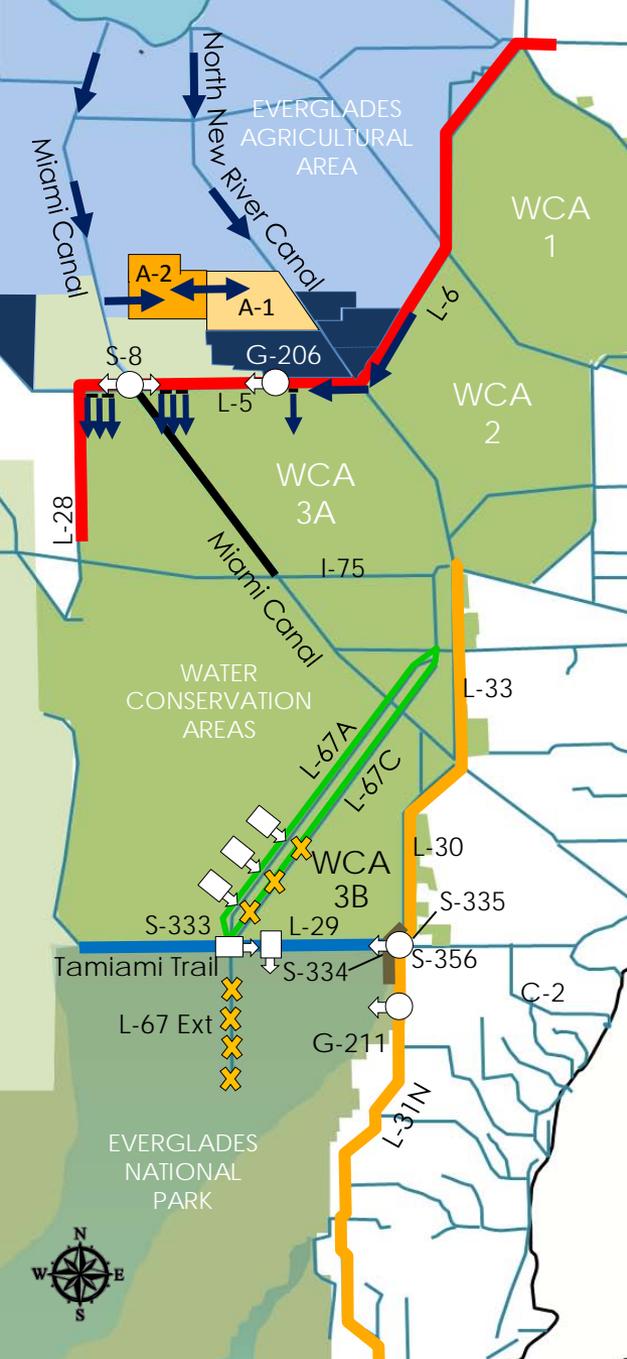
- Increase S-333 capacity to 3,000 cfs
- One 750 cfs gated structure in L-67A, 0.5 mile spoil removal west of L-67A north and south of structures
- One 6000-ft gap in L-67C levee
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Degrade southern 1.5 miles of L-67 extension levee

SEEPAGE MANAGEMENT

- Increase S-356 to 1,000 cfs
- Two 250 cfs pumps on L-31N
- G-211 operational refinements and use coastal canals to convey seepage



PROPOSED ALTERNATIVE 2



STORAGE AND TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/CONVEYANCE

- Diversion of L-6 flows and L-5 canal improvements
- Spreader canal: ~3 miles west of S-8 (3,000 cfs), ~3 miles east of S-8 (800 cfs) and ~1.5 miles east of G-206 (400 cfs)
- Backfill Miami Canal from S-8 to I-75

DISTRIBUTION/CONVEYANCE

- Increase S-333 capacity to 3,000 cfs
- One 750 cfs and two 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A north and south of structures
- 6,000-ft gaps in L-67C levee at each structure
- One additional 500 cfs gravity structure out of WCA-3B
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Degrade entire L-67 extension levee

SEEPAGE MANAGEMENT

- Increase S-356 to 1,000 cfs
- Full depth penetrating seepage barrier from S-335 to S-334
- Partial depth seepage barrier south of Tamiami Trail 2 miles along L-31N
- One 250 cfs pump on L-31N into ENP
- G-211 operational refinements and use coastal canals to convey seepage



FEB



STA



Pump



Spreader Canal



Backfill



Levee Removal

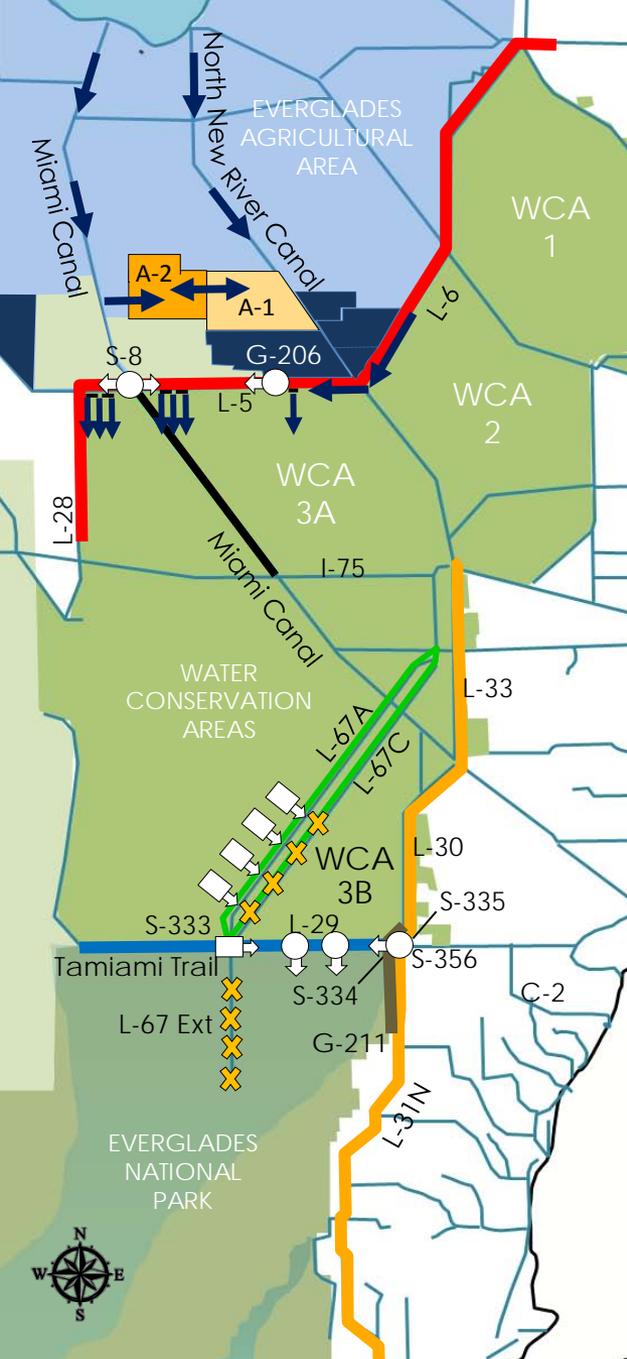


Gated Structure



Seepage Barrier

PROPOSED ALTERNATIVE 3



STORAGE AND TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/CONVEYANCE

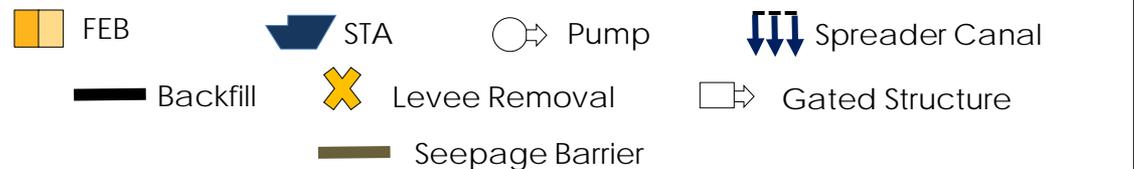
- Diversion of L-6 flows and L-5 canal improvements
- Spreader canal: ~3 miles west of S-8 (3,000 cfs), ~3 miles east of S-8 (800 cfs) and ~1.5 miles east of G-206 (400 cfs)
- Backfill Miami Canal from S-8 to I-75

DISTRIBUTION/CONVEYANCE

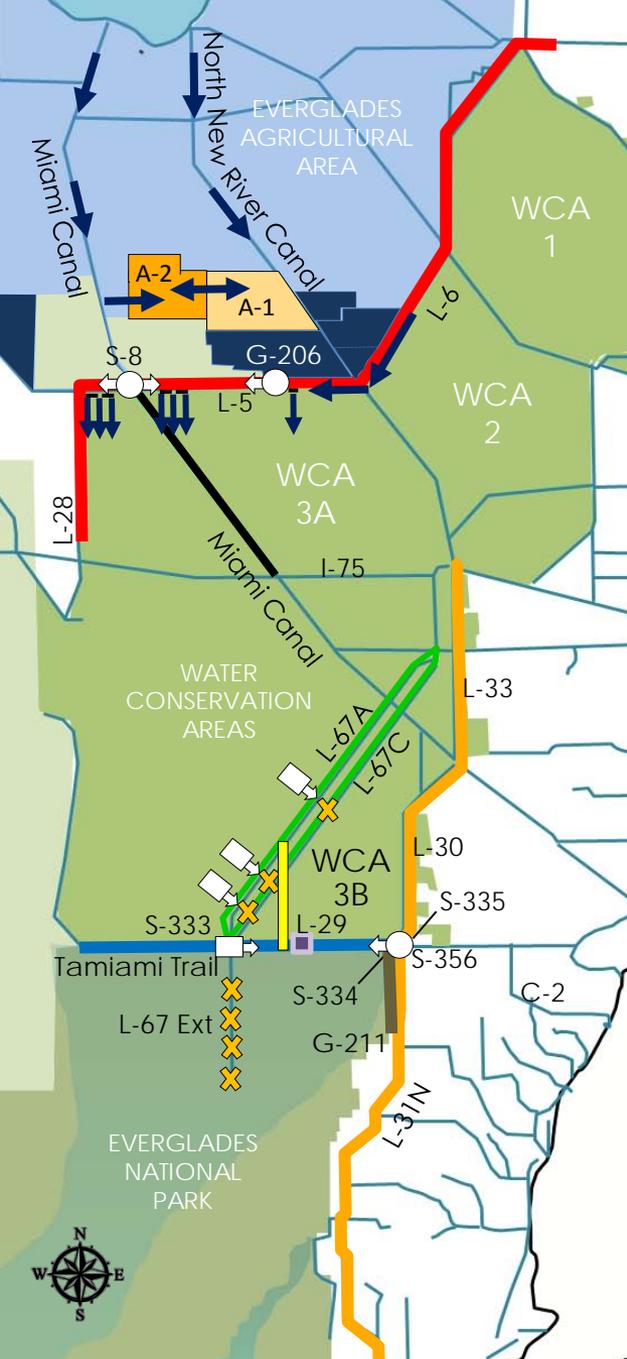
- Increase S-333 capacity to 3,000 cfs
- Four 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A north and south of structures
- 6,000-ft gaps in L-67C levee at each structure
- Two 500 cfs pumps out of WCA-3B at existing agricultural canals with improvements to agricultural canals in WCA-3B
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Degrade entire L-67 extension levee

SEEPAGE MANAGEMENT

- Increase S-356 to 1,000 cfs
- Partial depth seepage barrier south of Tamiami Trail 5 miles along L-31N
- Full depth penetrating seepage barrier from S-335 to S-334
- G-211 operational refinements and use coastal canals to convey seepage



PROPOSED ALTERNATIVE 4



STORAGE AND TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/CONVEYANCE

- Diversion of L-6 flows and L-5 canal improvements
- Spreader canal: ~3 miles west of S-8 (3,000 cfs), ~3 miles east of S-8 (800 cfs) and ~1.5 miles east of G-206 (400 cfs)
- Backfill Miami Canal from S-8 to I-75

DISTRIBUTION/CONVEYANCE

- Increase S-333 capacity to 3,000 cfs
- Two 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A north and south of structures
- Include levee in WCA 3B
- Degrade L-67C levee in Blue Shanty flowway
- One 500 cfs gated structure north of Blue Shanty levee and 6,000-ft gap in L-67C levee
- Degrade L-29 levee in Blue Shanty flowway, divide structure east of Blue Shanty levee at terminus of western bridge
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Degrade entire L-67 extension levee

SEEPAGE MANAGEMENT

- Increase S-356 to 1,000 cfs
- Partial depth seepage barrier south of Tamiami Trail 5 miles along L-31N
- G-211 operational refinements; use coastal canals to convey seepage

FEB	STA	Pump	Spreader Canal
Backfill	Levee Removal	Gated Structure	Levee
Seepage Barrier	Divide		

NEXT STEPS

- Detailed Regional Simulation Modeling of Final Array of alternatives
 - EAA Storage and Treatment
 - Northern 3A Hydropattern Restoration Features
 - WCA 3A/3B/ENP Conveyance Features
 - Seepage Management Measures
- Corps sponsored public meetings to present final array of alternatives, week of December 10-13 and December 18th
- PDT Workshop, SFWMD Auditorium, Wednesday December 19, 9:00 am

CORPS SPONSORED PUBLIC MEETINGS ON ARRAY OF ALTERNATIVES: 6:30 PM – 9:00 PM

- December 10: Ft. Myers-Embassy Suites Fort Myers
10450 Corkscrew Commons Drive, Estero
- December 11: Homestead - John D. Campbell
Agricultural Center 18710 SW 288th St, Homestead
- December 12: Clewiston- John Boy Auditorium, 1200
South W.C. Owen Avenue, Clewiston
- December 13: Stuart – Susan H. Johnson Auditorium,
Wolf High Technology Center, Indian River State
College's Chastain Campus, 2400 SE Salerno Rd, Stuart
- December 18th: Broward County, Fern Forest Nature
Center, 201 Lyons Road South, Coconut Creek