Subwatershed: Bowen

Site Name: BCB School (BO-1)

Description of Existing Conditions:

Used to have flooding problem. Fix it with a 6-foot pipe from behind the school down to the gut. Inlet to pipe is clogged with vegetation. Some roof downspouts connected to a cistern that overflows since it isn't used. Septic/sewer? Sewer cisterns? Yes, one big cistern - irrigation. Next to cafeteria. How does Hydro later 6" pipe? There is an inlet, but we couldn't find it.

Courtyards all have "rain gardens" that could be retrofitted to function better. Frosted slope in main courtyard. All catchbasins flow down to same outfall area at corner of parking lot into gut. Some H2O may eventually flow into unused ball field. Dumpsers are right by gut, uncovered, and leaking into catchbasin.

Additional Notes and/or Sketch Information:
Description of Proposed Project:

- Retrofit concrete curbs with baffles and detention to slow H2O down and infiltrate as possible
- Convert courtyard gardens into rain gardens
- Stabilize eroded slope in courtyard and redirect H2O (prevent driving there?)
- Move dumpsters to better location and cover
- Redirect stormwater into ball field to create stormwater wetland
- Convert a few other areas near catch basins/parking areas into rain gardens as demo projects
- Reduce unnecessary impervious cover throughout school property (excessive parking lots?)

Additional Notes and/or Sketch Information:

Site Priority: [ ] Love it [ ] Has Potential [ ] Not Likely [ ] Enforcement Needed
FIELD ASSESSMENT
NOTES

Subwatershed: Bavoni

Site Name: Thomasville Cooperative (BD-2)

Description of Existing Conditions:

- Have sewer, have water
- Have cisterns, w/ cistern overflow
- Under parking lot
- Sydney -> Maintenance supervision
- Some erosion in lower gut
- Upper -> fairly good slope
- Some trash, mostly leach

Area 7 & 2 gut down. Carlo of road of residential development to unseen road.

* Further investigate site for RA options

Additional Notes and/or Sketch Information:
Subwatershed: Bowen

Site Name: (30-3) Wooded Parcel & Thomasville Co-op

Description of Existing Conditions:

UPSTREAM of site, GUT was diverted when Co-op ROAD constructed (reported by Co-op Facility Manager).
Now GUT goes down road to Texaco (30-7).
Consider allowing for rainwater GUT to ORIGINAL PATH; pipe it behind homes, open up into an infiltrator, or underground storage tank (to use for irrigation at Co-op) and then overflow to wooden lot.

Wooded lot has wetland area in it that needs to be delineated first, but there is potential for a lot of stormwater management here.

Currently, the area used for Cock/Disc floating and other shady activities. Depending on ownership, this could be a significant op for a community park & regional stormwater facility with paths to school for kids.

Additional Notes and/or Sketch Information:
Create groundwater buffer
Do a full site inventory for other RG opportunities
Subwatershed: Bovoni

Site Name: (BO-4) Bovoni Projects

Description of Existing Conditions:

- Have Cisterns not used Pigeons also roosted in natural spilling
- Express outlets from spring and/or runoff (most likely). Regrading FAREA in progress
- Mr. Austin is the maintenance supervisor (very nice)
- Stormwater collects by curb cuts that direct land fill buildings that are occupied
- IMERL.Racks. Trash racks have maintenance doors
- Fire access & Mr. Austin said they clean regularly, cisterns 7 slowly release to ground to
  help storage
- Cisterns are pump chambers were closed up
- Solar heat water heaters
- Dungestones uncovered. Mr. Austin mentioned that he has a problem with air borne
  trash & debris around the site.

Additional Notes and/or Sketch Information:

- Abandoned raw treatment facility to the south of the development.
Description of Proposed Project:

- Cover dumpsters
- Stabilize steep slopes with vegetation to reduce erosion
- Consider using cisterns again for graywater
- Formalize splash swales and stormwater vegetated stormwater basins for water quality and slope - prevent/reduce bankstream issues
- Construct rain garden near easternmost parking lot

Additional Notes and/or Sketch Information:

Site Priority:  □ Love it  □ Has Potential  □ Not Likely  □ Enforcement Needed
Subwatershed: Bovoni

Site Name: Winery (Premier) (BO-5)

Description of Existing Conditions:

Met with one operator, hesitant to talk to us

Winery

Onsite Septic, Own Water Source & Storage

Drain to a septic out behind building

They have not had flooding issues according to

Manager/Field

Septic directly adjacent to gut w/ banana trees

Open & around, has what appears to be

A septic tank

Site is fairly clean & mostly impervious (mostly

necessary impervious).

Additional Notes and/or Sketch Information:
Description of Proposed Project:

Recommendation: Monitor/Maintenance of Septic System

Additional Notes and/or Sketch Information:

Site Priority:  [ ] Love it  [ ] Has Potential  [ ] Not Likely  [ ] Enforcement Needed

STEER Watersheds Assessment and Planning Project – Field Form

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The septic system should be inspected.

 Gut flows in concrete channel (undersized)
Subwatershed: Bovoni

Site Name: Bulk Storage (B-6)

Description of Existing Conditions:

Site is Mostly gravel surface. Talked to Christina Rosenberg and she said she has not had flooding issues. They lease property from Storage Facility along Bovoni Rd. They’d a drainage well along Projects Road and one main building. Other areas used for storage containers. Gut Runs along back property (Fence) in concrete channel (about 4" wide at Top) W=34" t/c 18" t/c

Runoff from site collected in concrete channel along Southern property line. Also discharging into a sink and spayed down coming from inside main building. Appears Road runoff also goes to channel. Possible water closet adjacent to sink. Not sure where it discharges but did not appear to be the channel.

Additional Notes and/or Sketch Information: [Diagram]
Description of Proposed Project:

 Retrofit would be education of cleaning operations and contaminant impacts.

Additional Notes and/or Sketch Information:

Site Priority:  □ Love it  □ Has Potential  □ Not Likely  □ Enforcement Needed
Wash area and floor drains discharge to concrete channel to gut. Need to stop illicit discharges or provide a treatment retrofit (e.g., sand filter, holding tank).
Subwatershed: Bovani Bovani

Site Name: TEXACO Drainage Problem (B0-7) on back side

Description of Existing Conditions:

Abandoned Gas station -> Robbed too many times

Apparatus Roof is Dismantled -> Grassed (wetland area)

Pump station upgrared west of station project south

WWPS is in bad shape and desperate for an upgrade.

Flooding on Bovani Rd. Appears septic having company installed a basin in an effort to keep runoff in road.

Additional Notes and/or Sketch Information:

# Install new catchbasins/pipe at intersection to carry SW to B0-8

* If site is redevelopment, manage on-site runoff in existing open space (e.g. rain garden/bioretention).
Install new catchbasin pipe to 80-8

Pump Station replacement project

opportunity for on-site retrofit (bioretention) if gas station reopens
Subwatershed: Bovoni

Site Name: Storage Facility at Intensification of Bovoni Rd / Luton Property

Description of Existing Conditions:

Owners are the Dyerstien Company Inc
Owner is interested in loving taxes/donating
Approx. 8 acre of wetland to Island government.

Property is mostly storage units. Gut is drain
For the most part, with two piped sections -
ONE drain aisle 1 under bovoni rd (see sketch)

Gut Flows From North property by Co-ordinate
channels - 1 that is the gut? We're Taking
Flow From Storage Facility (Bulk Storage) To
the Norm.

Outside person mentioned he has not seen
it flood outside the gut but the lower
areas of the property were not showing
signs of ponding.

Gut Discharge Pipe under Bovoni Appears clogged.

Additional Notes and/or Sketch Information:

Note:

Owner (Christina Luton) is a long-time resident
and her family has owned this property for
the 13 Acres Across the street (undeveloped)
For awhile. Very nice & educated on wetland
& environment.

STEER Watersheds Assessment and Planning Project – Field Form
Description of Proposed Project:

Possibly could do a wet BMP from the grass/gravel lot prior to Bovoni Rd. However, it is likely used for storage and may be difficult to access for such a use.

Additional Notes and/or Sketch Information:

SEE ATTACHED

Site Priority: □ Love it □ Has Potential □ Not Likely □ Enforcement Needed
Subwatershed: Bovoni
Site Name: Storage Facility

Description of Existing Conditions:
Mostly concrete pavement. Buildings have catch basins at leads to collect roof runoff. Use catch basins to wash buildings, but appear to mostly overflow to adjacent gutters. CBS drains center of parking area that are connected by pipes to the lowest CB and discharged to the gut. Operators of facility reported having a pond where flood water backs up into property, causing storms due to the low pipe under the access road. Too high. Appears this area he was talking about is actually at a very wetland. Could possibly use a second culvert at same elevation. To reduce the larger events while maintaining current treatment.

Additional Notes and/or Sketch Information:
SEE attached sketch
Description of Proposed Project:

Possibly add a pipe for conveyance of surface water.

Additional Notes and/or Sketch Information:

Site Priority:  □ Love it  □ Has Potential  □ Not Likely  □ Enforcement Needed
Buy Portable Water -> Drink & Cook

All Paved Concrete

C/S Employees At Ed of Buildings

Low Point

Any Cond

Potential Sump?

Sta. 0+00

DRAIN Pipe Access Road

Pipe Too High And It's Backed Up
SUBWATERSHED:
Bovoni

SITE NAME:
Lew Henry's (B0-10)

DESCRIPTION OF EXISTING CONDITIONS:

Site is south of Bovoni Rd. Mostly all gravel and sloped from North to South. Majority of area is used for storage of active and inactive tankers (septic tankers) & houses. Some of the older tankers appear to be leaking seepage or to surrounding area. Varies times during inspection smells of septic were prevalent. Lew not available at time of inspection. Secretary said she had only been there for a couple months.

Curb flows from Bovoni Bovoni Rd to the North and it appears someone made an effort to stop the runoff from entering the site's catch basin. Boom looks recent and is made of plastic barriers and loose dirt. Appears constructed recently. This part of Bovoni Rd Floods (Tetaco! VW pump station upgrade).

There is a metal stripping (Copper) facility to the south of Lew's. Metal stripping was in progress at time of inspection. Metal byproducts prevalent throughout gravel surface and staining.
Description of Proposed Project:

Being at bottom of watershed these sites receive highest volumes of offsite runoff and are likely areas the highest contributors to the bay's degradation. Cleanup would be a substantial undertaking. It would likely require construction of a new facility offsite with advanced containment & treatment.

Additional Notes and/or Sketch Information:

Site Priority:  □ Love it □ Has Potential □ Not Likely □ Enforcement
Subwatershed: Bovanin

Site Name: Gas Station on Bovanin Rd between Texaco and Sweet Piet. Pudding issues (B0-11)

Description of Existing Conditions:
- Uncovered overflowing dumpster. Signage indicates a problem with public using the private dumpster.
- Storage of vehicles on property. Evidence of uncovered maintenance.
- Indications of ponding on pavement near areas that could be converted to swel retrofit (plastic open grass area)

Additional Notes and/or Sketch Information:
Subwatershed: Bovani

Site Name: Sweet Pies/Laundry (B0-12)

Description of Existing Conditions:

Site is located to the south of Bovani Rd and east of the (sic) site. There is a gut (sic) along GAS STATION. The gut property line that is fed by the HDPE culvert that is under Bovani Rd. Culvert upstream and is within the storage facility to the east. Tailed to the owner of Sweet Pies and he explained that he has issues with road runoff from Bovani Rd. Culvert flooding up on the property. Culvert would have to be fiber culvert leaking up on the upstream, and is even topping the Road on the gut capacity overflow. Gut is fairly well defined with side slopes and vegetated surfaces. HDPE pipe did appear to be clogged on the discharge end with vegetation and debris.

There were two other conduits discharging to the HDPE culvert. One was said to be from the RO water system for the Water TANKER Fill point the other is unknown. In the rear of the buildings the gut funts from the laundry bld. into one gut. Both sides appeared to be accepting sewage from the facilities. Western gut has a white PVC pipe that had delayed discharges typical to sewage. The discharge from the Bovani culvert appeared clean.

Additional Notes and/or Sketch Information:
Description of Proposed Project:

Liquid, however, the closest to the said discharge the gut had signs of heavy algae. After the PVC discharge, the gut water was cloudy and had signs of toilet waste, also sputtered in the septic. The owner of sweat pies said it was from his generator container (not likely).

The gut from the laundry was soap and what appeared to be toilet debris. Flow was coming from a portion of the building that housed the generator. The owner of laundry said his pump died yesterday (unlikely from visible signs with the gut).

Both buildings are adjacent to sewer in Bevoni Road and could easily discharge by either gravity or small pump.

Additional Notes and/or Sketch Information:

Site Priority: □ Love it □ Has Potential □ Not Likely □ Enforcement Needed
Subwatershed: Bovoni

Site Name: Unregulated Dump site (West of Landfill) "B0-13"

Description of Existing Conditions:
Access to site is by dirt road East of Storage Facility south of Bovoni Rd. Small pocket wetland has formed along 12th prior to exit from runoff directed from Storage Facility "i" from the gut that flows from the wooded area to the north (Dog Fight)

Area has various dump sites - vehicle/const/eqmt maintenance areas, vehicle impound areas everywhere and spills are visible. Area is also used for squatting as shelters have been constructed in various locations. Makeshift shelter were observed

Appears area is also used extensively for const/eqmt staging Bovoni Rd

Additional Notes and/or Sketch Information:
Description of Proposed Project:

Extensive cleanup, most likely Superfund.

Additional Notes and/or Sketch Information:

Site Priority:  □ Love it  □ Has Potential  □ Not Likely  □ Enforcement Needed
Subwatershed: Boson

Site Name: LANDFILL (BD-14)

Description of Existing Conditions:

Under consent decree, there are a number of requirements prior to closure

- Monitoring
- Wetland Restoration
- Stormwater
- Pollution Prevention
- Leachate interception or treatment

SITE NOTES ON CONSENT DECREE AND CLOSURE PLAN

Additional Notes and/or Sketch Information:
Bovoni Landfill Mitigation Requirements

USA vs. Government of the U.S. Virgin Islands, Virgin Islands Waste Management Authority, Virgin Islands Port Authority, Joseph and Zulma Hodge

Charges

- Landfill must submit annual reports to the EPA regarding emissions of non-methane organic compounds (NMOCs). If reports exceed annual limits, the landfill must design, construct, and operate a gas collection and control system (GCCS).

  EPA's regulations issued under the CAA require that each landfill built before 1991 and that has a capacity greater than a certain threshold must submit annual reports to EPA regarding emissions of non-methane organic compounds ("NMOCs"); that if any NMOC report shows that the annual emissions of these landfill gases exceed a specified threshold quantity, the landfill must design, construct, and operate, according to certain deadlines, a gas collection and control system ("GCCS") that captures and combuts gases generated within the landfill. Effective January 2004, the CAA regulations also require each such landfill to develop and implement a start-up, shutdown and malfunction ("SSM") plan for the GCCS.

- Bovoni must install a ground water monitoring system and implement a storm water pollution prevention plan.

  EPA made findings that Bovoni was being operated in a manner that may present an "imminent and substantial endangerment to health and the environment" and, pursuant to RCRA Section 7003(a), issued an administrative order on consent ("Bovoni RCRA AOC") that requires that GVI and WMA, inter alia, pursuant to an approved schedule, award contracts by August 2006 to install a ground water monitoring system and to implement a storm water pollution prevention plan at Bovoni.

- Joseph and Zulma Hodge must removal scrap tires adjacent to Bovoni.

  The United States filed an amended complaint ("Complaint") in this action, that added two defendants, Joseph and Zulma Hodge (the "Hodges"), and a claim that the GVI, WMA, and the Hodges failed to comply with an EPA administrative order (Docket No. RCRA-022008-7307 (October 4, 2008) ("Bovoni Tire AOC"), issued pursuant to RCRA Section 7003(a), requiring the removal of scrap tires adjacent to Bovoni.

Civil Penalties

- Defendants shall jointly pay $50,000 as a civil penalty. Payment of the principal amount shall be made in four equal annual installments of $12,500 (plus interest).
• WMA shall submit a revised GCCS design plan that conforms with the 2012 Closure Plan.

The GCCS as constructed deviates from the WMA's design plan for the GCCS dated May 2010 which EPA approved in March 2011, and WMA's 2012 Closure Plan (as provided under Paragraph 21.a) will require further changes to the GCCS. Accordingly, WMA shall, by the deadline specified in Appendix A, submit a revised GCCS design plan. The revised plan shall describe modifications required to conform the GCCS to the modifications to the Landfill proposed in the 2012 Closure Plan, and shall comply with the Federal Plan and the Landfill MACT.

• WMA shall submit to EPA an initial performance test report of the GCCS within 45 days after completion of the initial performance test.

*Within 30 days after the Effective Date, WMA shall submit for EPA approval a revised protocol for performance testing of the control system that incorporates EPA's comments. WMA shall, by the deadline specified in Appendix A or within 90 days after EPA's approval of the revised protocol, whichever is later, complete the initial performance test of the control system. WMA shall perform the initial performance test of the control system using the test methods specified in 40 C.F.R. § 60.754(d) and (e), the test procedures specified in 40 C.F.R. § 60.754(h), and in accordance with the EPA-approved protocol. WMA shall submit to EPA an initial performance test report within 45 days after completion of the initial performance test. The report shall satisfy the specifications of 40 C.F.R. §§ 60.8, 60.757 and 60.758.*

• WMA shall, within 60 days after the completion of the initial performance test or 120 days after the Effective Date, whichever is later, submit a proposed GCCS Operation and Maintenance (“O&M”) Plan to EPA for its review and comment.

• WMA shall operate the GCCS at all times. *During periods of SSM WMA shall operate the GCCS in accordance with an EPA reviewed SSM Plan.*

• WMA shall submit required information to the EPA by May 31, 2012 to enable EPA to make a determination on the request for relief from EPA’s Clean Water Act Consent Order No. II-CWA-98-125.

*WMA requested relief from EPA's Clean Water Act Consent Order No. II-CWA-98-125 regarding buried metal and other material in the wetland in and adjacent to the Landfill. WMA shall by May 31, 2012, submit to EPA information to enable EPA to make a determination in the matter.*

• Until Closure, WMA shall operate the Landfill in accordance with the Decree and the federal municipal solid waste landfill operating criteria, including:
  a. Implement a groundwater monitoring program;
b. Implement and maintain a program for detecting and preventing disposal of regulated hazardous wastes;
c. Apply adequate cover material;
d. Control disease vectors;
e. Control explosive gases;
f. Ensure that no open burning of solid wastes occurs;
g. Control access to the Landfill;
h. Control storm water run-on and run-off;
i. Ensure that the Landfill does not cause discharges of pollutants into waters of United States that violate CWA requirements; and
j. Ensure that bulk or non-containerized liquid wastes are not placed in the Landfill except when allowed.

Until Closure, WMA shall operate the Landfill in accordance with the Decree and the federal municipal solid waste landfill operating criteria set forth at 40 C.F.R. § 258.20-29, including:
a. WMA shall implement a program for groundwater monitoring, as provided in 40 C.F.R. § 258.51-55. WMA may seek EPA’s approval, for purposes of this Decree only, for WMA to conduct monitoring less frequently than, or conduct monitoring of fewer parameters than, is provided under 40 C.F.R. § 258.54;
b. WMA shall implement and maintain a program for detecting and preventing the disposal of regulated hazardous wastes as provided in 40 C.F.R. § 258.20;
c. WMA shall apply adequate cover material as provided in 40 C.F.R. § 258.21;
d. WMA shall control disease vectors as provided in 40 C.F.R. § 258.22;
e. WMA shall control explosive gases as provided in 40 C.F.R. § 258.23;
f. WMA shall ensure that no open burning of solid waste occurs as provided in 40 C.F.R. § 258.24;
g. WMA shall control access as provided in 40 C.F.R. § 258.25;
h. WMA shall control run-on and run-off as provided in 40 C.F.R. § 258.26;
i. WMA shall ensure that the Landfill does not cause discharges of pollutants into waters of the United States that violate CWA requirements, as provided in 40 C.F.R. § 258.27; and
j. WMA shall ensure that bulk or non-containerized liquid wastes are not placed in the Landfill except as provided in 40 C.F.R. § 258.28.

- WMA shall perform an assessment for groundwater corrective action, select a remedy and implement the remedy.

WMA shall perform an assessment for groundwater corrective action, select a remedy and implement the remedy if required by and in accordance with 40 C.F.R. § 258.56-58.

- WMA shall, by the deadline specified in the Closure Schedule, submit for EPA approval a revised closure plan for the Landfill (“2012 Closure Plan”).

- If WMA, after consulting with the EPA, determines that the Landfill will reach its approved limits of waste at a different date than set forth in the Closure Schedule, new
deadlines may be established for accepting waste, completing stabilization and storm water control, and for complete Closure.

WMA may, after consulting with EPA, make a determination that the Landfill’s physical contours and slopes will reach their approved limits at a different date than the deadline to permanently cease accepting waste set forth in the Closure Schedule. In that event, WMA shall establish, after consulting with EPA, new deadlines to permanently cease accepting waste at the Landfill, to complete slope stabilization and storm water control in the East areas, and to complete Closure. WMA shall notify EPA of the new deadlines and shall prepare a modified Closure Schedule.

- WMA shall: (a) within 21 months after the Effective Date, remove all scrap tires from Area A (as that area is described in the Bovoni Tire AOC); and (b) within 18 months after the Effective Date, remove all scrap tires from the Incidental Areas (as those areas are described in the Bovoni Tire AOC). These scrap tires shall be transported outside the Territory in accordance with applicable transport rules and management requirements of the receiving jurisdiction, or used in accordance with the Beneficial Reuse Plan under Paragraph 26.

- WMA shall implement mosquito control measures for temporarily stored tires until all tires have been removed.

WMA shall, for Area A, the Incidental Areas and any areas where the scrap tires are stored pending beneficial reuse under Paragraph 26, implement mosquito control measures in accordance with the requirements of the Virgin Islands Department of Health until all tires have been removed.

- WMA shall implement the Waste Diversion Program. (see page 17-18 of CD)

- WMA shall submit to EPA quarterly reports regarding its compliance with the requirements of the CAA regulations and the CAA provisions of the Consent Decree.

- WMA shall comply with the reporting and recordkeeping requirements specified in 40 C.F.R. §§ 60.757 and 60.758. (see page 21-23)

- The GVI has represented: (i) that it does not have sufficient funds on hand to implement the Closure Work and a Significant Groundwater Corrective Action; (ii) that it must obtain such funding through various means including the sale of bonds.

- GVI and WMA shall seek and use reasonable efforts to secure approval for the prospective imposition of a solid waste fee.

By the end of 2014, GVI and WMA, as applicable, shall seek, and shall use reasonable efforts to secure, approval by the Legislature of the Virgin Islands or the Virgin Islands Public Services Commission, as applicable, for the prospective imposition of a solid
waste fee, if and to the extent that such approval is necessary for the imposition of such fee.

GCCS/LCCS

Research yielded two alternatives for implementing a GCCS and LCCS:

- Install a combination GCCS/LCCS that relies upon drilled wells for both gas and leachate extraction and collection; or
- Install a GCCS that relies upon drilled wells for gas extraction and collection and install a separate LCCS that involves primarily a gravity, perimeter trench system that directs leachate to a treatment facility.
- Data found suggests that a combination GCCS/LCCS system may be the most cost-effective alternative provided that an existing trench LCCS system isn’t already in place.
Subwatershed: Bolo Mangrove Lagoon
Site Name: Bolo Mangrove Lagoon WWT

Description of Existing Conditions:

- 750,000 GPD Design / 400,000 GPD Typ. / 500,000 gpd night
- Increase to 1.2 MGD during rain events
- Septage handled at smaller plant where "bugs" are reintroduced and "died" prior to sending to main treatment facility
- Plant catches up on waste treatment during 8 hr. workday
- Plant does not operate at night unless there is a significant (2-3" rainfall expected then it runs 24 hrs / day

Treatment plant on line
- Fr. Mylar WWT should be going offline and will have to be renovated in about 2 months. New pumps are coming online.

Additional Notes and/or Sketch Information:
Description of Proposed Project:

- Rebuild Vista - Own WWTP
- Design for pipeline for new development near K+ Methane + Home Depot - Repute 3
- VESSUP WWTP
- When house with 60' of sewer - should connect
- % of capacity
- Check heavy metals connection to WWTP
- Rainwater connected to sewer - storm sewer
- Small storm sewer 0.5 mil
- Manhole connections into manholes
- Manholes/pipes leak during rainfall - groundwater infiltration during extended rainfall period

Additional Notes and/or Sketch Information:

- Blockage in old/new line ends up in FAS/SS systems
- Priorities - Control runoff from landfill
- 71 mil VWP for landfill cover
- Geothermal plant for landfill - will power WWTP
- Leachate collection - not there now but is in design now
- Alpine shut down
- Sludge/merch. in mangrove - restoration plan in place - public report
- 830 slips detention pond for closure - 38 mi.
- 83 WWTP Barriers Action/Feasibility 10/2011

Site Priority:  □ Love it  □ Has Potential  □ Not Likely  □ Enforcement Needed

UV disinfection

STEER Watersheds Assessment and Planning Project – Field Form  February 27-March 2, 2012

- Belt filter press - Polymers added to sludge
- O&I - sulfur/iron - UV light waste - high bullied/points/boom creates costs
FIELD ASSESSMENT

NOTES

Subwatershed:

Site Name: COMPASS PT SALT POND

Description of Existing Conditions:

JANUARY LOOKING @ 2 SITES

REDHOOK SALT POND, CSP, SECOND FALSE ENTRANCE

#1 OBTAIN RECENT AERIALS HISTORICAL CONDITIONS

#2 FIELD ASSESSMENT TO PRIORITIZE 3 SITES

BATHYMETRIC TO ESTIMATE DRUGGING CAPACITY

CONTAMINANT SAMPLING - ORGANIC & INORGANIC

WATER MODELING - FLUSHING RATE

#3 IMPLEMENT FOR PRIORITY

Additional Notes and/or Sketch Information:

CWNS - they have a closure plan for the finalized by end of year

Leachate collection system pretreatment, then come to WTRP

Plana disposal, used to energy plant

SBR aerating, settled in each cell, disinfection by UV

STEE Watersheds Assessment and Planning Project – Field Form

February 27-March 2, 2012
Description of Proposed Project:

[Handwritten notes]

Additional Notes and/or Sketch Information:

2002 - 2003 ML WWTP built.

Extension?

Cost unless → they have a preliminary design

City Planning recommended 60 ft.

All piping has to be replaced in AR & New Tun Valley.

New WWTP can take more capacity.

Site Priority: □ Love it □ Has Potential □ Not Likely □ Enforcement Needed

[Handwritten notes]

STEER Watersheds Assessment and Planning Project – Field Form

February 27–March 2, 2012