Name: N-A010 Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: RR Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
4.00	-1.100
10.00	4.800
16.00	-1.100
22.00	4.800
28.00	-1.100
34.00	4.800
40.00	-1.100
46.00	4.800
52.00	-1.100
58.00	4.800
64.00	-1.100
70.00	4.800
76.00	-1.100
82.00	4.800
88.00	-1.100
94.00	4.800
400.00	4.800

Name: N-A015 Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: RR Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A020 Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: RR Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A030 Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: RR Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A040 Base Flow(cfs): 0.000 Init Stage(ft): 1.000
Group: RR Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A050 Base Flow(cfs): 0.000 Init Stage(ft): 1.000
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

--- ---

□

Name: N-A060 Base Flow(cfs): 0.000 Init Stage(ft): 3.000
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft) Area(ac)
--- ---

□

Name: N-A070 Base Flow(cfs): 0.000 Init Stage(ft): 3.100
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft) Area(ac)
--- ---

□

Name: N-A075 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft) Area(ac)
--- ---

□

Name: N-A080 Base Flow(cfs): 0.000 Init Stage(ft): 3.920
Group: RR Warn Stage(ft): 7.000
Type: Stage/Area

Stage(ft) Area(ac)
--- ---

□

Name: N-A083 Base Flow(cfs): 0.000 Init Stage(ft): 4.100
Group: RR Warn Stage(ft): 11.000
Type: Stage/Area

Added per Bees Ferry Apts update (Lowcountry Consulting) JPI 6/23/15.

Stage(ft) Area(ac)
--- ---

□

Name: N-A083A Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: RR Warn Stage(ft): 12.000
Type: Stage/Area

Added per Bees Ferry Apts. JPI 6/25/15

Stage(ft) Area(ac)
--- ---

□

Name: N-A083B Base Flow(cfs): 0.000 Init Stage(ft): 10.570
Group: RR Warn Stage(ft): 12.920
Type: Stage/Area

Pond 2 from Lowcountry Land Development Plans. Contours based on CAD file. The 14 Contour represents the pond

Stage(ft)	Area(ac)
4.000	0.1000
5.000	0.1410
6.000	0.1690
7.000	0.1990

8.000	0.2300
9.000	0.2630
10.000	0.2970
11.000	0.3310
12.000	0.3370
13.000	0.4060
14.000	0.4100

Name: N-A090 Base Flow(cfs): 0.000 Init Stage(ft): 3.960
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A100 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: RR Warn Stage(ft): 14.800
Type: Stage/Area

Stage(ft)	Area(ac)
3.970	0.0000
5.850	0.2000
8.000	0.6600
8.500	3.1300
9.000	6.4100
9.500	11.2400
10.000	13.8100
10.500	15.9500
11.000	18.6000

Name: N-A101 Base Flow(cfs): 0.000 Init Stage(ft): 7.950
Group: RR Warn Stage(ft): 11.000
Type: Stage/Area

Added per Lowcountry plans

Stage(ft)	Area(ac)

Name: N-A102 Base Flow(cfs): 0.000 Init Stage(ft): 7.400
Group: RR Warn Stage(ft): 10.950
Type: Stage/Area

Pond 3 from Lowcountry Land Development Plans. Contours based on CAD file. JPI 6/23/15.

Stage(ft)	Area(ac)
4.000	0.1160
5.000	0.1410
6.000	0.2010
7.000	0.2960
8.000	0.4580
9.000	0.5730
10.000	0.6820
11.000	0.6820

Name: N-A110 Base Flow(cfs): 0.000 Init Stage(ft): 1.500
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A120 Base Flow(cfs): 0.000 Init Stage(ft): 1.700
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A130 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A140 Base Flow(cfs): 0.000 Init Stage(ft): 1.700
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Updated per Traffic Circle plans. JPI 5/21/15

Stage(ft)	Area(ac)

Name: N-A141 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: RR Warn Stage(ft): 12.000
Type: Stage/Area

Added per Traffic Circle. Node N-A150 is D&F report. JPI 5/21/15

Stage(ft)	Area(ac)

Name: N-A142 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: RR Warn Stage(ft): 12.000
Type: Stage/Area

Added per Traffic Circle. D&F node N-A151. JPI 5/21/15.

Stage(ft)	Area(ac)

Name: N-A145 Base Flow(cfs): 0.000 Init Stage(ft): 3.500
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Updated per Traffic Circle. Node N-A145 in D&F report. JPI 5/21/15

Stage(ft)	Area(ac)

Name: N-A150 Base Flow(cfs): 0.000 Init Stage(ft): 3.750
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

D&F basin B-A170. JPI 5/21/15

Stage(ft)	Area(ac)

Name: N-A160 Base Flow(cfs): 0.000 Init Stage(ft): 3.750
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A161 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: RR Warn Stage(ft): 12.000
Type: Stage/Area

Added per Traffic Circle. 5/21/15.

Stage(ft)	Area(ac)

Name: N-A162 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: RR Warn Stage(ft): 14.500
Type: Stage/Area

Added per Traffic Circle. JPI 5/21/15

Stage(ft)	Area(ac)

Name: N-A200 Base Flow(cfs): 0.000 Init Stage(ft): 5.810
Group: RR Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A210 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: RR Warn Stage(ft): 9.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A300 Base Flow(cfs): 0.000 Init Stage(ft): 3.100
Group: RR Warn Stage(ft): 5.000
Type: Stage/Area

DETENTION POND - PERM POOL AT INV OF 12" OUTLET

Includes proposed stage/area data as delineated in CAD

Stage(ft)	Area(ac)
1.000	0.0200
2.000	0.0700
3.000	0.1800
4.000	0.3100
5.000	0.5500
6.000	0.6200
7.000	0.7100

Name: N-A310 Base Flow(cfs): 0.000 Init Stage(ft): 3.100
Group: RR Warn Stage(ft): 9.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-A320 Base Flow(cfs): 0.000 Init Stage(ft): 3.100
Group: RR Warn Stage(ft): 8.000
Type: Stage/Area

Revised storage above elev 9 due to filling ditch

Stage(ft)	Area(ac)
3.100	0.0000
4.440	0.0100
5.000	0.0400
6.000	0.2300
6.380	0.9200
7.000	0.9400
8.000	0.9600
9.000	1.4600
10.000	2.0500
11.000	2.7300

Name: N-A330 Base Flow(cfs): 0.000 Init Stage(ft): 3.860
Group: RR Plunge Factor: 1.00 Warn Stage(ft): 10.100
Type: Manhole, Flat Floor

Reducer from 10'x3' box to 8'x4' box

Stage(ft)	Area(ac)

Name: N-B010 Base Flow(cfs): 0.000 Init Stage(ft): 1.900
Group: HH Warn Stage(ft): 8.100
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B011 Base Flow(cfs): 0.000 Init Stage(ft): 1.920
Group: RR Warn Stage(ft): 8.100
Type: Stage/Area

Added per Traffic Circle road plans only. JPI 5/18/15

Stage(ft)	Area(ac)

Name: N-B012 Base Flow(cfs): 0.000 Init Stage(ft): 5.470
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Added per Traffic Circle. JPI 5/19/15

Stage(ft)	Area(ac)

Name: N-B013 Base Flow(cfs): 0.000 Init Stage(ft): 6.900
Group: HH Warn Stage(ft): 11.000
Type: Stage/Area

Added per Traffic Circle. JPI 5/19/15

Stage(ft)	Area(ac)

Name: N-B014 Base Flow(cfs): 0.000 Init Stage(ft): 11.080
Group: HH Warn Stage(ft): 12.000
Type: Stage/Area

Added per Traffic Circle. JPI 5/19/15

Stage(ft)	Area(ac)

Name: N-B015 Base Flow(cfs): 0.000 Init Stage(ft): 3.780
Group: HH Warn Stage(ft): 10.500
Type: Stage/Area

Added per Traffic Circle road plans only. JPI 5/18/15

Stage(ft)	Area(ac)

Name: N-B016 Base Flow(cfs): 0.000 Init Stage(ft): 7.360
Group: HH Warn Stage(ft): 10.050
Type: Stage/Area

Added per Traffic Circle. JPI 5/19/15

Stage(ft)	Area(ac)

Name: N-B020 Base Flow(cfs): 0.000 Init Stage(ft): 1.900
Group: HH Warn Stage(ft): 8.550
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B030 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 8.550
Type: Stage/Area

Stage(ft)	Area(ac)
2.000	0.6800
5.000	0.8700
5.500	0.9500
6.000	1.0100
6.500	1.0700
7.000	1.1400
7.500	1.7000
8.000	2.2100
8.500	2.6400
11.000	2.6400

Name: N-B040 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: HH Warn Stage(ft): 11.000
Type: Stage/Area

Elevation of pond set 3 ft lower than plans

Stage(ft)	Area(ac)
7.000	1.3600
7.500	1.3700
8.000	1.5000
8.500	1.6400
9.000	1.7900
9.500	1.9900
10.000	2.1000
10.500	2.2000
11.000	2.6100

Name: N-B050 Base Flow(cfs): 0.000 Init Stage(ft): 2.000

```
     Group: HH                                                 Warn Stage(ft): 8.550
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-B060             Base Flow(cfs): 0.000          Init Stage(ft): 2.250
     Group: HH                                                 Warn Stage(ft): 8.550
      Type: Stage/Area

Added per Traffic Circle.  JPI 5/21/15.

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-B070             Base Flow(cfs): 0.000          Init Stage(ft): 2.500
     Group: HH                                                 Warn Stage(ft): 8.550
      Type: Stage/Area

Added per Traffic Circle.  JPI 5/21/15

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-B071             Base Flow(cfs): 0.000          Init Stage(ft): 8.360
     Group: HH                                                 Warn Stage(ft): 11.500
      Type: Stage/Area

Added per Traffic Circle.  11 & 12 Contour added to contain flooding.  May need LIDAR to more accurately represe

      Stage(ft)        Area(ac)
--------------- ---------------
          8.000          0.0000
         10.000         11.4800
         11.000         16.5000
         12.000         16.5000

□
      Name: N-B072             Base Flow(cfs): 0.000          Init Stage(ft): 10.000
     Group: HH                                                 Warn Stage(ft): 12.000
      Type: Stage/Area

Added per Traffic Circle.  JPI 5/19/15

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-B073             Base Flow(cfs): 0.000          Init Stage(ft): 11.940
     Group: HH                                                 Warn Stage(ft): 15.000
      Type: Stage/Area

Added per Traffic Circle.  JPI 5/19/15

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-B075             Base Flow(cfs): 0.000          Init Stage(ft): 11.000
     Group: HH                                                 Warn Stage(ft): 15.000
      Type: Stage/Area

Added per Traffic Circle.  JPI 5/19/15

      Stage(ft)        Area(ac)
--------------- ---------------
         12.000          1.6500
         17.000          1.6500

□
```

Name: N-B080 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 8.550
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B090 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B100 Base Flow(cfs): 0.000 Init Stage(ft): 3.500
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B110 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B120 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B125 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 8.550
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B130 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B140 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B150 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B160 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B164 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Updated per survey 4/9/09. Didn't change the warning stage because the far bank (which we have no survey for) c

Stage(ft)	Area(ac)

Name: N-B170 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 9.500
Type: Stage/Area

Stage(ft)	Area(ac)
2.000	1.1000
5.000	1.4000
6.000	1.4400
7.000	1.5100
8.000	1.5700
9.000	1.6400
9.500	2.5400
11.000	2.5400

Name: N-B180 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Updated per survey 4/9/09. Didn't chance waring stage b/c far bank (which we don't have survey on) could be low

Stage(ft)	Area(ac)

Name: N-B200 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B220 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000

Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B230 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: HH Warn Stage(ft): 13.000
Type: Stage/Area

Elevation of pond set 3 ft lower than plans

Stage(ft)	Area(ac)
7.000	4.8500
9.000	4.8500
9.500	4.9300
10.000	5.3000
10.500	5.4100
11.000	5.5100
11.500	5.8700
12.000	6.1400
13.000	6.8200

Name: N-B320 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-B380 Base Flow(cfs): 0.000 Init Stage(ft): 2.000
Group: HH Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C010 Base Flow(cfs): 0.000 Init Stage(ft): 3.400
Group: SM1 Warn Stage(ft): 9.000
Type: Stage/Area

Updated per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-C020 Base Flow(cfs): 0.000 Init Stage(ft): 3.200
Group: SM1 Warn Stage(ft): 9.000
Type: Stage/Area

Warning stage updated per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-C030 Base Flow(cfs): 0.000 Init Stage(ft): 3.400
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C040 Base Flow(cfs): 0.000 Init Stage(ft): 3.600
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C050 Base Flow(cfs): 0.000 Init Stage(ft): 3.700
Group: SM1 Warn Stage(ft): 8.900
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C060 Base Flow(cfs): 0.000 Init Stage(ft): 4.780
Group: SM1 Warn Stage(ft): 9.600
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.0000
7.500	0.0000
7.750	0.1000
8.000	0.2000
8.500	0.5000
9.000	1.0800
9.500	3.6900
10.000	4.5200
10.500	5.3000
11.000	5.8700
11.500	6.7800
12.000	6.7800

Name: N-C070 Base Flow(cfs): 0.000 Init Stage(ft): 3.700
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C080 Base Flow(cfs): 0.000 Init Stage(ft): 4.410
Group: SM1 Warn Stage(ft): 11.000
Type: Stage/Area

Updated initial stage. Moved storage area from this node to N-C086. JPI 6/25/15

Stage(ft)	Area(ac)

Name: N-C085 Base Flow(cfs): 0.000 Init Stage(ft): 4.180
Group: SM1 Warn Stage(ft): 11.000
Type: Stage/Area

Added 4/8/09. JP

Initial stage updated per survey. 6/23/15. JPI

Stage(ft)	Area(ac)

Name: N-C086 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: RR Warn Stage(ft): 11.000
Type: Stage/Area

Storage area removed from N-C080 and moved to this node. It represents the wetland storage area. JPI 6/25/15

Stage(ft)	Area(ac)
3.900	0.0000
4.000	0.3000
6.800	0.4000
7.000	2.0000
7.500	2.2600
8.000	2.3300
9.000	2.5300
9.500	2.9800
10.000	3.2200
10.500	3.4700
11.000	3.8800
13.000	13.0000

Name: N-C086A Base Flow(cfs): 0.000 Init Stage(ft): 7.020
Group: RR Warn Stage(ft): 10.000
Type: Stage/Area

Added per McAlisters. JPI 6/25/15

Stage(ft)	Area(ac)

Name: N-C086B Base Flow(cfs): 0.000 Init Stage(ft): 8.180
Group: RR Warn Stage(ft): 10.000
Type: Stage/Area

Added per McAlisters. The pond overtops at 10. The 13 contour represents the flooding area after it overtops (

Stage(ft)	Area(ac)
6.000	0.0560
7.000	0.0800
8.000	0.1160
9.000	0.1570
10.000	0.1980
13.000	0.6000

Name: N-C086C Base Flow(cfs): 0.000 Init Stage(ft): 6.110
Group: RR Warn Stage(ft): 13.500
Type: Stage/Area

Added per Bees Ferry Apts. JPI 6/29/15

Stage(ft)	Area(ac)

Name: N-C086D Base Flow(cfs): 0.000 Init Stage(ft): 7.620
Group: RR Warn Stage(ft): 14.200
Type: Stage/Area

Pond 1from Low Country development plans. Areas taken from CAD. JPI 6/29/15

Stage(ft)	Area(ac)
5.000	0.1850
6.000	0.2170
7.000	0.2500
8.000	0.3340
9.000	0.3770
10.000	0.4340
11.000	0.4920
12.000	0.5510

```
         13.000          0.6100
         14.000          0.6740
         15.000          0.6800

      Name: N-C090              Base Flow(cfs): 0.000          Init Stage(ft): 4.000
     Group: SM1                                              Warn Stage(ft): 11.900
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

      Name: N-C100              Base Flow(cfs): 0.000          Init Stage(ft): 4.000
     Group: SM1                                              Warn Stage(ft): 11.900
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

      Name: N-C110              Base Flow(cfs): 0.000          Init Stage(ft): 7.800
     Group: SM1                                              Warn Stage(ft): 9.500
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

      Name: N-C120              Base Flow(cfs): 0.000          Init Stage(ft): 7.850
     Group: SM1                                              Warn Stage(ft): 10.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

      Name: N-C130              Base Flow(cfs): 0.000          Init Stage(ft): 7.850
     Group: SM1                                              Warn Stage(ft): 10.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

      Name: N-C140              Base Flow(cfs): 0.000          Init Stage(ft): 9.500
     Group: SM1                                              Warn Stage(ft): 11.500
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          9.500          0.5800
         10.000          0.6200
         10.500          0.7000
         11.000          0.7400
         11.500          0.9000
         11.600          1.9200
         12.000          2.7800
         12.500          3.3000

      Name: N-C150              Base Flow(cfs): 0.000          Init Stage(ft): 7.850
     Group: SM1                                              Warn Stage(ft): 10.000
```

Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C160 Base Flow(cfs): 0.000 Init Stage(ft): 7.850
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C170 Base Flow(cfs): 0.000 Init Stage(ft): 7.850
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C180 Base Flow(cfs): 0.000 Init Stage(ft): 7.850
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C203 Base Flow(cfs): 0.000 Init Stage(ft): 8.100
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

part of overflow system. 4/21/09. JP

Stage(ft)	Area(ac)

Name: N-C205 Base Flow(cfs): 0.000 Init Stage(ft): 7.700
Group: MB Warn Stage(ft): 9.000
Type: Stage/Area

overflow node. 4/21/09. JP

Stage(ft)	Area(ac)

Name: N-C206 Base Flow(cfs): 0.000 Init Stage(ft): 5.590
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

overflow area. 4/21/09. JP

Stage(ft)	Area(ac)

Name: N-C210 Base Flow(cfs): 0.000 Init Stage(ft): 5.300
Group: SM1 Warn Stage(ft): 8.000
Type: Stage/Area

Node N-C220 and L-C220C1 were eliminated and that area is modeled as a pond in N-C210. This was changed to mor

Stage(ft)	Area(ac)

5.000	0.0457
7.000	0.4638
8.000	0.6415
9.000	1.4950
10.000	2.6919
10.500	4.2510

Name: N-C230 Base Flow(cfs): 0.000 Init Stage(ft): 5.700
Group: SM1 Warn Stage(ft): 9.800
Type: Stage/Area

Stage(ft)	Area(ac)
5.700	2.5300
7.500	2.5300
8.000	2.7600
8.500	2.8900
9.000	3.0600
9.500	4.8200
10.000	5.6700
10.500	6.6100
11.000	7.4000
11.500	10.9500
12.000	10.9500

Name: N-C240 Base Flow(cfs): 0.000 Init Stage(ft): 6.200
Group: SM1 Warn Stage(ft): 10.900
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C243 Base Flow(cfs): 0.000 Init Stage(ft): 6.100
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Added per FEMA comment. 3/16/11 JPI

Stage(ft)	Area(ac)

Name: N-C245 Base Flow(cfs): 0.000 Init Stage(ft): 6.200
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Added per FEMA comment. 3/16/11 JPI

Stage(ft)	Area(ac)

Name: N-C250 Base Flow(cfs): 0.000 Init Stage(ft): 7.500
Group: SM1 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-C255 Base Flow(cfs): 0.000 Init Stage(ft): 6.800
Group: SM1 Warn Stage(ft): 10.500
Type: Stage/Area

Added to break channel in two parts to better show overflow areas. JPI 4/21/11

```
      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C260             Base Flow(cfs): 0.000          Init Stage(ft): 7.850
     Group: SM1                                              Warn Stage(ft): 10.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C290             Base Flow(cfs): 0.000          Init Stage(ft): 6.970
     Group: SM1                                              Warn Stage(ft): 8.500
      Type: Stage/Area

Updated per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C291             Base Flow(cfs): 0.000          Init Stage(ft): 4.720
     Group: SM1                                              Warn Stage(ft): 10.000
      Type: Stage/Area

Added per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C292             Base Flow(cfs): 0.000          Init Stage(ft): 3.760
     Group: SM1                                              Warn Stage(ft): 12.500
      Type: Stage/Area

Added per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C293             Base Flow(cfs): 0.000          Init Stage(ft): 3.660
     Group: SM1                                              Warn Stage(ft): 13.000
      Type: Stage/Area

Added per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C294             Base Flow(cfs): 0.000          Init Stage(ft): 3.480
     Group: SM1                                              Warn Stage(ft): 13.000
      Type: Stage/Area

Added per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
-------------- ---------------

□
      Name: N-C295             Base Flow(cfs): 0.000          Init Stage(ft): 4.770
     Group: SM1                                              Warn Stage(ft): 6.270
      Type: Stage/Area



      Stage(ft)        Area(ac)
-------------- ---------------

□
```

```
      Name: N-C296              Base Flow(cfs): 0.000          Init Stage(ft): 3.210
     Group: SM1                                              Warn Stage(ft): 13.000
      Type: Stage/Area

Added per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C300              Base Flow(cfs): 0.000          Init Stage(ft): 3.000
     Group: MB                                               Warn Stage(ft): 9.000
      Type: Stage/Area

Updated per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C304              Base Flow(cfs): 0.000          Init Stage(ft): 5.770
     Group: SM1                                              Warn Stage(ft): 8.000
      Type: Stage/Area

Node part of overflow system.  4/21/09.  JP

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C305              Base Flow(cfs): 0.000          Init Stage(ft): 7.500
     Group: SM1                                              Warn Stage(ft): 8.000
      Type: Stage/Area

Node for overflow wier.  Connects to overflow swale.  4/21/09  JP

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C310              Base Flow(cfs): 0.000          Init Stage(ft): 3.200
     Group: MB                                               Warn Stage(ft): 8.000
      Type: Stage/Area

Updated per survey 4/9/09.  JP

      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C320              Base Flow(cfs): 0.000          Init Stage(ft): 2.860
     Group: MB                                               Warn Stage(ft): 11.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-C330              Base Flow(cfs): 0.000          Init Stage(ft): 2.000
     Group: SM1                                              Warn Stage(ft): 10.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-D010              Base Flow(cfs): 0.000          Init Stage(ft): 2.200
     Group: SM2                                              Warn Stage(ft): 8.000
      Type: Stage/Area
```

Stage(ft)	Area(ac)

Name: N-D012 Base Flow(cfs): 0.000 Init Stage(ft): 2.300
Group: SM2 Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D014 Base Flow(cfs): 0.000 Init Stage(ft): 3.300
Group: SM2 Warn Stage(ft): 9.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D015 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: SM2 Warn Stage(ft): 12.000
Type: Stage/Area

overflow node from LIDar 4/27/09. JP

Stage(ft)	Area(ac)
9.000	0.5521
10.000	2.9139
11.000	3.9580
12.000	4.7088

Name: N-D025 Base Flow(cfs): 0.000 Init Stage(ft): 3.500
Group: SM2 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D030 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: SM2 Warn Stage(ft): 7.400
Type: Stage/Area

Grand Oaks Stage Area Information

Stage Area
52.35
5.62.35
62.85
73.08
84.95
8.57.48
97.87
127.87

Stage Area info modified per AutoCAD attachment sent by Connor on 12/15/05.

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
5.000	2.2675
7.400	2.6184
10.000	9.5668
11.000	13.6620

```
        12.000         24.2840

□
      Name: N-D035              Base Flow(cfs): 0.000          Init Stage(ft): 3.600
     Group: SM2                                              Warn Stage(ft): 10.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-D040              Base Flow(cfs): 0.000          Init Stage(ft): 6.170
     Group: SM2                                              Warn Stage(ft): 11.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          6.000          0.6600
          7.500          0.8900
          8.000          0.9700
          9.000          1.1500
          9.500          1.5900
         10.000          1.9200
         11.000          3.5900

□
      Name: N-D045              Base Flow(cfs): 0.000          Init Stage(ft): 4.600
     Group: SM2                                              Warn Stage(ft): 9.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-D050              Base Flow(cfs): 0.000          Init Stage(ft): 9.000
     Group: SM2                                              Warn Stage(ft): 12.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------
          8.000          0.0000
          8.990          0.0000
          9.000          0.8500
          9.500          1.2000
         10.000          1.3000
         10.500          1.4000
         11.000          1.5000
         12.000          1.9000

□
      Name: N-D055              Base Flow(cfs): 0.000          Init Stage(ft): 4.900
     Group: SM2                                              Warn Stage(ft): 9.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

□
      Name: N-D060              Base Flow(cfs): 0.000          Init Stage(ft): 9.500
     Group: SM2                                              Warn Stage(ft): 16.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
```

--------------- ---------------

Name: N-D065 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: SM2 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: N-D070 Base Flow(cfs): 0.000 Init Stage(ft): 13.600
Group: SM2 Warn Stage(ft): 14.600
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: N-D080 Base Flow(cfs): 0.000 Init Stage(ft): 14.200
Group: SM2 Warn Stage(ft): 16.500
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------
13.000 0.4500
14.200 0.4500
15.500 0.7300
16.000 0.9600
16.500 1.1800

Name: N-D090 Base Flow(cfs): 0.000 Init Stage(ft): 6.200
Group: SM2 Warn Stage(ft): 10.500
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: N-D100 Base Flow(cfs): 0.000 Init Stage(ft): 6.200
Group: SM2 Warn Stage(ft): 10.500
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------

Name: N-D110 Base Flow(cfs): 0.000 Init Stage(ft): 6.200
Group: SM2 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft) Area(ac)
--------------- ---------------
6.000 0.4500
7.500 0.5600
9.000 0.6200
10.000 1.0600
12.000 1.0600

Name: N-D120 Base Flow(cfs): 0.000 Init Stage(ft): 6.010
Group: SM2 Warn Stage(ft): 7.700

Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D130 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: SM2 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D140 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: SM2 Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D145 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: SM2 Warn Stage(ft): 12.000
Type: Stage/Area

Overflow area from Lidar. 4/27/09. JP

Stage(ft)	Area(ac)
8.000	0.0100
10.000	0.6126
11.000	4.2173
12.000	11.6070

Name: N-D150 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: SM2 Warn Stage(ft): 10.600
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D160 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: SM2 Warn Stage(ft): 12.100
Type: Stage/Area

Stage(ft)	Area(ac)
6.900	0.0000
7.000	1.8000
8.000	1.8100
9.000	2.2000
10.000	2.6100
10.700	2.8900
11.000	3.0000
12.000	7.2600
12.500	15.0000
13.000	15.0000

Name: N-D170 Base Flow(cfs): 0.000 Init Stage(ft): 7.500
Group: MB Warn Stage(ft): 10.800
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D180 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: SM2 Warn Stage(ft): 14.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D190 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: SM2 Warn Stage(ft): 12.000
Type: Stage/Area

Stage(ft)	Area(ac)
10.000	0.7000
10.500	0.7500
12.000	1.0000

Name: N-D200 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: SM2 Warn Stage(ft): 10.800
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-D210 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: SM2 Warn Stage(ft): 13.000
Type: Stage/Area

PS N010A

Stage(ft)	Area(ac)
9.500	1.0507
10.000	1.1426
11.000	1.3282
12.000	1.5161
13.000	1.7063
15.000	1.7063

Name: N-D220 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: SM2 Warn Stage(ft): 14.000
Type: Stage/Area

PS N010

Stage(ft)	Area(ac)
10.500	0.5132
11.000	0.5600
12.000	0.6554
13.000	0.7532
14.000	0.8532
15.000	0.8532

Name: N-D370 Base Flow(cfs): 0.000 Init Stage(ft): 4.730
Group: SM2 Warn Stage(ft): 7.300
Type: Stage/Area

Updated based on survey 4/8/09 JP.

Stage(ft)	Area(ac)

Name: N-D375 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: SM2 Warn Stage(ft): 8.000
Type: Stage/Area

Overflow area from Lidar. 4/24/09. JP

Stage(ft)	Area(ac)
8.000	0.0740
9.000	0.9819
10.000	2.5103
11.000	4.0298

Name: N-D380 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: SM2 Warn Stage(ft): 8.000
Type: Stage/Area

overflow node from lidar. 4/25/09. JP

Stage(ft)	Area(ac)
8.000	0.0364
9.000	0.5193
10.000	1.4669
11.000	2.1544

Name: N-E010 Base Flow(cfs): 0.000 Init Stage(ft): 5.200
Group: VG Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-E020 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: VG Warn Stage(ft): 11.000
Type: Stage/Area

PS N024

Stage(ft)	Area(ac)
8.000	1.1122
9.000	1.2090
10.000	1.3081
11.000	1.4906
14.000	1.4906

Name: N-E030 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: VG Warn Stage(ft): 11.000
Type: Stage/Area

PS N023

Stage(ft)	Area(ac)
8.000	0.2219
9.000	0.2677
10.000	0.3158
11.000	0.3662
14.000	0.3662

Name: N-E040 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: VG Warn Stage(ft): 12.000
Type: Stage/Area

PS N022

Stage(ft)	Area(ac)
9.000	1.8386
10.000	2.0547
11.000	2.2732
12.000	2.4939
14.000	2.4939

Name: N-E050 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: VG Warn Stage(ft): 12.000
Type: Stage/Area

PS N021

Stage(ft)	Area(ac)
9.000	0.7103
10.000	0.7944
11.000	0.9038
12.000	0.9697
14.000	0.9697

Name: N-E060 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: VG Warn Stage(ft): 14.000
Type: Stage/Area

PS N020

Stage(ft)	Area(ac)
10.000	0.3214
11.000	0.3652
12.000	0.4113
13.000	0.4598
14.000	0.5105

Name: N-E070 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: VG Warn Stage(ft): 14.000
Type: Stage/Area

PS N019

Stage(ft)	Area(ac)
10.000	0.4076
11.000	0.4584
12.000	0.5115
13.000	0.5669
14.000	0.6246
15.000	0.6246

Name: N-E080 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: VG Warn Stage(ft): 14.000
Type: Stage/Area

PS N018

Stage(ft)	Area(ac)
10.000	0.4076
11.000	0.4584
12.000	0.5155
13.000	0.5669
14.000	0.6246
15.000	0.6246

Name: N-E090 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: VG Warn Stage(ft): 15.000
Type: Stage/Area

PS N012

Stage(ft)	Area(ac)
10.500	0.7225
11.000	0.7752
12.000	0.8763
13.000	0.9797
14.000	1.0854
15.000	1.1934

Name: N-E100 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: VG Warn Stage(ft): 14.000
Type: Stage/Area

PS N011

Stage(ft)	Area(ac)
11.000	1.5551
12.000	1.7608
13.000	1.9687
14.000	2.1790
16.000	2.1790

Name: N-E110 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: VG Warn Stage(ft): 14.000
Type: Stage/Area

PS N005A

Stage(ft)	Area(ac)
11.000	0.6795
12.000	0.8032
13.000	0.9292
14.000	1.0576
17.000	1.0576

Name: N-E120 Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: VG Warn Stage(ft): 16.000
Type: Stage/Area

PS N008

Stage(ft)	Area(ac)
13.000	0.3720
14.000	0.4359
15.000	0.5406
16.000	0.6254
17.000	0.6254

Name: N-E130 Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: VG Warn Stage(ft): 16.000
Type: Stage/Area

PS N007

Stage(ft)	Area(ac)
13.000	0.3624
14.000	0.4208
15.000	0.4815
16.000	0.5446

17.000	0.5446

Name: N-E140 Base Flow(cfs): 0.000 Init Stage(ft): 15.000
Group: VG Warn Stage(ft): 18.500
Type: Stage/Area

PS N006

Stage(ft)	Area(ac)
15.000	0.3071
16.000	0.3596
17.000	0.4144
18.000	0.4324
18.500	0.5775

Name: N-E150 Base Flow(cfs): 0.000 Init Stage(ft): 14.000
Group: VG Warn Stage(ft): 17.000
Type: Stage/Area

PS N002

Stage(ft)	Area(ac)
14.000	0.1281
15.000	0.1676
16.000	0.2093
17.000	0.2534
19.000	0.2534

Name: N-E160 Base Flow(cfs): 0.000 Init Stage(ft): 15.000
Group: VG Warn Stage(ft): 18.000
Type: Stage/Area

PS N001

Stage(ft)	Area(ac)
15.000	0.3436
16.000	0.3967
17.000	0.4520
18.000	0.5097
19.000	0.5097

Name: N-E170 Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: VG Warn Stage(ft): 16.000
Type: Stage/Area

PS N005

Stage(ft)	Area(ac)
13.000	0.2747
14.000	0.3191
15.000	0.3658
16.000	0.4149
17.000	0.4149

Name: N-E180 Base Flow(cfs): 0.000 Init Stage(ft): 14.000
Group: VG Warn Stage(ft): 17.000
Type: Stage/Area

PS N004

Stage(ft)	Area(ac)
14.000	0.1664
15.000	0.2075
16.000	0.2510
17.000	0.2968

18.000	0.2968

Name: N-E190 Base Flow(cfs): 0.000 Init Stage(ft): 15.000
Group: VG Warn Stage(ft): 18.000
Type: Stage/Area

PS N003

Stage(ft)	Area(ac)
15.000	0.2467
16.000	0.2899
17.000	0.3353
18.000	0.3831
20.000	0.3831

Name: N-E200 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: VG Warn Stage(ft): 11.000
Type: Stage/Area

PS N017A

Stage(ft)	Area(ac)
8.000	0.8361
9.000	0.9189
10.000	1.0041
11.000	1.0915
14.000	1.0915

Name: N-E210 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: VG Warn Stage(ft): 13.000
Type: Stage/Area

PS N017

Stage(ft)	Area(ac)
9.000	0.1934
10.000	0.2283
11.000	0.2654
12.000	0.3049
13.000	0.3467
15.000	0.3467

Name: N-E220 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: VG Warn Stage(ft): 15.000
Type: Stage/Area

PS N016

Stage(ft)	Area(ac)
10.500	0.2242
11.000	0.2387
12.000	0.2780
13.000	0.3197
14.000	0.3637
15.000	0.4099
17.000	0.4099

Name: N-E230 Base Flow(cfs): 0.000 Init Stage(ft): 13.000
Group: VG Warn Stage(ft): 17.000
Type: Stage/Area

PS N015

Stage(ft)	Area(ac)
13.000	1.9419

14.000	2.2013
15.000	2.4630
16.000	2.7271
17.000	2.9935
18.000	2.9935

Name: N-E240 Base Flow(cfs): 0.000 Init Stage(ft): 14.000
Group: VG Warn Stage(ft): 18.000
Type: Stage/Area

PS N014

Stage(ft)	Area(ac)
14.000	0.7090
15.000	0.7921
16.000	0.8774
17.000	0.9651
18.000	1.0551
19.000	1.0551

Name: N-E250 Base Flow(cfs): 0.000 Init Stage(ft): 14.000
Group: VG Warn Stage(ft): 17.000
Type: Stage/Area

PS N013

Stage(ft)	Area(ac)
14.000	1.2572
15.000	1.3728
16.000	1.4908
17.000	1.6110
19.000	1.6110

Name: N-E260 Base Flow(cfs): 0.000 Init Stage(ft): 5.400
Group: VG Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)
5.400	0.0000
9.500	1.0000
11.000	10.0000
14.000	20.0000

Name: N-E270 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: VG Warn Stage(ft): 10.000
Type: Stage/Area

PS N025

Stage(ft)	Area(ac)
7.000	0.3340
8.000	0.3855
9.000	0.4393
10.000	0.4955
14.000	0.4955

Name: N-F010 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: MC Warn Stage(ft): 13.000
Type: Stage/Area

PS N-BB1

Stage(ft)	Area(ac)

1.000	1.7000
7.000	2.6500
8.000	2.8800
9.000	3.2000
10.000	3.4600
11.000	3.6600
12.000	3.8700
13.000	4.0800

Name: N-F020 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: MC Warn Stage(ft): 12.000
Type: Stage/Area

PS N-AB4A

Stage(ft)	Area(ac)
4.000	0.0010
12.000	0.0010
13.000	0.0010

Name: N-F030 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: MC Warn Stage(ft): 13.000
Type: Stage/Area

PS N-AB4

Stage(ft)	Area(ac)
1.000	1.4626
7.000	2.0295
8.000	2.2310
9.000	2.4191
10.000	2.6174
11.000	2.8180
12.000	3.0834
13.000	3.2811

Name: N-F040 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: MC Warn Stage(ft): 13.000
Type: Stage/Area

PS N-AB3

Stage(ft)	Area(ac)
3.000	0.3059
9.000	0.5167
10.000	0.5986
11.000	0.6827
12.000	0.7692
13.000	0.8579

Name: N-F050 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: MC Warn Stage(ft): 13.300
Type: Stage/Area

PS N-AB2A

Stage(ft)	Area(ac)
6.500	0.0010
13.000	0.0010
14.000	0.0010

Name: N-F060 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: MC Warn Stage(ft): 13.000
Type: Stage/Area

PS N-AB2

Stage(ft)	Area(ac)
3.500	1.0220
9.500	1.3804
10.000	1.4363
11.000	1.5543
12.000	1.6737
13.000	1.7944
14.000	1.7944

Name: N-F070 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: MC Warn Stage(ft): 15.650
Type: Stage/Area

PS N-AB1

Stage(ft)	Area(ac)
12.000	0.0010
15.650	0.0010

Name: N-F080 Base Flow(cfs): 0.000 Init Stage(ft): 12.300
Group: MC Warn Stage(ft): 15.650
Type: Stage/Area

PS N-AB1A

Stage(ft)	Area(ac)
12.300	0.0010
13.000	0.0050
14.000	0.0360
15.600	0.2000
17.000	0.2000

Name: N-F100 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: MC Warn Stage(ft): 13.200
Type: Stage/Area

SWA N-CB3

Stage(ft)	Area(ac)
0.000	1.2482
6.000	1.7068
7.000	1.8643
8.000	2.0241
9.000	2.1862
10.000	2.5850
11.000	2.7437
12.000	2.9047
13.000	3.0680

Name: N-F110 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: MC Warn Stage(ft): 17.000
Type: Stage/Area

N-CB2E

Stage(ft)	Area(ac)
9.500	0.0010
17.000	0.0010

Name: N-F120 Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: MC Warn Stage(ft): 17.100
Type: Stage/Area

SWA N-CB2

Stage(ft)	Area(ac)
6.000	0.4044
12.000	0.6214
13.000	0.6984
14.000	0.7777
15.000	0.8593
16.000	0.9431
17.000	1.0920

Name: N-F130 Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: MC Warn Stage(ft): 17.250
Type: Stage/Area

SWA N-CB1E

Stage(ft)	Area(ac)
9.500	0.0100
17.000	0.0500

Name: N-F140 Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: MC Warn Stage(ft): 17.100
Type: Stage/Area

SWA N-CB1B

Stage(ft)	Area(ac)
6.000	0.0801
12.000	0.2081
13.000	0.2553
14.000	0.3049
15.000	0.3568
16.000	0.4472
17.000	0.5418

Name: N-F150 Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: MC Warn Stage(ft): 17.100
Type: Stage/Area

SWA N-CB1A

Stage(ft)	Area(ac)
6.000	0.2705
12.000	0.4572
13.000	0.5240
14.000	0.5932
15.000	0.6647
16.000	0.7890
17.000	0.9185

Name: N-F160 Base Flow(cfs): 0.000 Init Stage(ft): 14.200
Group: MC Warn Stage(ft): 17.000
Type: Stage/Area

SWA N-AB1C

Stage(ft)	Area(ac)
14.200	0.0010
15.000	0.2000
16.000	0.3000
17.000	0.4000

Name: N-G010 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: BL Warn Stage(ft): 8.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-G020 Base Flow(cfs): 0.000 Init Stage(ft): 3.510
Group: BL Warn Stage(ft): 8.000
Type: Stage/Area

Updated per Bees Ferry Rd Widening 5/5/15 JPI

Stage(ft)	Area(ac)

Name: N-G021 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: BL Warn Stage(ft): 8.000
Type: Stage/Area

Added per Verdier Apts. 6/2/15 JPI

Stage(ft)	Area(ac)

Name: N-G022 Base Flow(cfs): 0.000 Init Stage(ft): 7.810
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Verdier plans. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G023 Base Flow(cfs): 0.000 Init Stage(ft): 8.080
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Verdier Apts. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G025 Base Flow(cfs): 0.000 Init Stage(ft): 4.500
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Verdier Apts. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G025A Base Flow(cfs): 0.000 Init Stage(ft): 7.730
Group: BL Warn Stage(ft): 11.000
Type: Stage/Area

Added per Verdier Apts. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G025B Base Flow(cfs): 0.000 Init Stage(ft): 8.870
Group: BL Warn Stage(ft): 12.000

Type: Stage/Area

Added per Verdier Apts. Pond 1 data from report dated 5/30/12. JPI 6/2/15

Stage(ft)	Area(ac)
7.800	0.1000
8.000	0.3800
9.000	0.4600
10.000	0.5300
11.000	0.6200
12.000	0.7000

Name: N-G025C Base Flow(cfs): 0.000 Init Stage(ft): 8.870
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

Added per Verdier Apts. Pond 2 from report dated 5/30/15. JPI 6/2/15

Stage(ft)	Area(ac)
8.000	0.0200
9.000	0.0400
10.000	0.0500
11.000	0.0700
12.000	0.0900

Name: N-G028 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

Added per Verdier Apts. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G028A Base Flow(cfs): 0.000 Init Stage(ft): 7.780
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

Added per Verdier Apts. JPI 6/2/15

Stage(ft)	Area(ac)

Name: N-G028B Base Flow(cfs): 0.000 Init Stage(ft): 8.870
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

Added per Verdier Apts. Pond 3 from reported dated 5/30/15 JPI 6/2/15

Stage(ft)	Area(ac)
7.770	1.0000
8.000	1.6000
9.000	1.7500
10.000	1.9200
11.000	2.0800
12.000	2.2300

Name: N-G030 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-G040 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: BL Warn Stage(ft): 11.500
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	6.000
12.00	8.000
24.00	8.000
36.00	7.000
48.00	6.000

Name: N-G042 Base Flow(cfs): 0.000 Init Stage(ft): 3.200
Group: BL Warn Stage(ft): 10.330
Type: Stage/Area

Added per Faison Apt. JPI 6/1/15

Stage(ft)	Area(ac)

Name: N-G043 Base Flow(cfs): 0.000 Init Stage(ft): 3.300
Group: BL Warn Stage(ft): 10.330
Type: Stage/Area

Added per Faison Apartments. JPI 6/1/15

Stage(ft)	Area(ac)

Name: N-G043A Base Flow(cfs): 0.000 Init Stage(ft): 6.700
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Adder per Faison Apts. Pond 3 from asbuilts. The 11 contour represents the banks overflowing. The top of pond

Stage(ft)	Area(ac)
3.500	0.0000
6.600	0.3910
7.000	0.4100
8.000	0.4650
9.000	0.5220
10.000	0.5800
11.000	0.6000

Name: N-G044 Base Flow(cfs): 0.000 Init Stage(ft): 3.700
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Faison and Blue Water Gas Station. JPI 6/4/15

Stage(ft)	Area(ac)

Name: N-G044A Base Flow(cfs): 0.000 Init Stage(ft): 11.500
Group: BL Warn Stage(ft): 16.300
Type: Stage/Area

Added per Blue Water Gas Station. Plunge pool. Outfall of underground storage. 6/4/15 JPI

Stage(ft)	Area(ac)

Name: N-G044B Base Flow(cfs): 0.000 Init Stage(ft): 11.500
Group: BL Warn Stage(ft): 16.000
Type: Stage/Volume

IGNORE WARNING. Underground detention is made up of pipes, so the stage/area should get smaller as the elevatio

Added per Blue Water Gas Station. Underground storage device (Stormtech SC-740 chambers). Two seperate structu

Stage(ft)	Volume(af)
11.500	0.0000
12.000	0.0300
12.500	0.1000
13.000	0.1700
13.500	0.2300
14.000	0.2900
14.500	0.3900
15.000	0.4200
15.500	0.4600
16.000	0.4700

Name: N-G045 Base Flow(cfs): 0.000 Init Stage(ft): 4.000
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Faison Apartments. JPI 6/1/15.

Stage(ft)	Area(ac)

Name: N-G045A Base Flow(cfs): 0.000 Init Stage(ft): 6.650
Group: BL Warn Stage(ft): 9.500
Type: Stage/Area

Added per Faison Apt. JPI 6/1/15.

Stage(ft)	Area(ac)

Name: N-G045B Base Flow(cfs): 0.000 Init Stage(ft): 6.780
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Faison Apts. Pond 2 from Asbuilts. The 11 contour respresents the banks overflowing. 10 is the top

Stage(ft)	Area(ac)
3.300	0.0000
6.500	1.6800
7.000	1.7900
8.000	1.9600
9.000	2.1200
10.000	2.2800
11.000	2.3000

Name: N-G045C Base Flow(cfs): 0.000 Init Stage(ft): 6.780
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Added per Faison Apts. Pond 1 from asbuilts. The 11 contour represents the banks overflowing. The top of bank

Stage(ft)	Area(ac)
3.600	0.0000
6.500	0.3100
7.000	0.3300
8.000	0.3800
9.000	0.4300
10.000	0.4900
11.000	0.5000

Name: N-G050 Base Flow(cfs): 0.000 Init Stage(ft): 4.300
Group: BL Warn Stage(ft): 10.000
Type: Stage/Area

Stage(ft)	Area(ac)

Name: N-G060 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: BL Warn Stage(ft): 13.900
Type: Stage/Area

PS N-I1

Stage(ft)	Area(ac)
3.500	0.1000
9.500	0.2200
10.000	0.2400
11.000	0.3000
12.000	0.3500
13.000	0.4100
14.000	0.4100

Name: N-G070 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: BL Warn Stage(ft): 33.500
Type: Stage/Area

PS N-H1

Stage(ft)	Area(ac)
3.500	0.0400
9.500	0.0900
10.000	0.1000
11.000	0.1200
12.000	0.1400
13.000	0.1700

Name: N-G080 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: RR Warn Stage(ft): 13.000
Type: Stage/Area

PS N-G1

Stage(ft)	Area(ac)
3.500	0.2700
9.500	0.6500
10.000	0.8000
12.000	0.8900
13.000	0.9900

Name: N-G090 Base Flow(cfs): 0.000 Init Stage(ft): 12.000
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

PS N-F1

Stage(ft)	Area(ac)
6.000	0.3800
12.000	0.6900
13.000	0.8000
14.000	0.9100
15.000	1.0200

Name: N-G100 Base Flow(cfs): 0.000 Init Stage(ft): 4.600
Group: BL Warn Stage(ft): 10.000

Type: Stage/Area

SWA - Same except Time/Stage and flat at 4.6

Stage(ft)	Area(ac)

Name: N-G110 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

PS N-D1

Stage(ft)	Area(ac)
3.000	0.1100
10.000	0.2800
11.000	0.3200
12.000	0.3700
13.000	0.4200
14.000	0.5100

Name: N-G120 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

PS N-C1

Stage(ft)	Area(ac)
3.500	0.1300
9.500	0.3000
10.000	0.3200
11.000	0.3700
12.000	0.4100
13.000	0.4600
14.000	0.5100

Name: N-G130 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

PS N-B1

Stage(ft)	Area(ac)
4.500	0.2600
10.500	0.3900
11.000	0.4200
12.000	0.4700
13.000	0.5200
14.000	0.5800
15.000	0.6400

Name: N-G140 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 17.000
Type: Stage/Area

PS N-A1

Stage(ft)	Area(ac)
4.500	0.1300
10.500	0.2400
11.000	0.2700
12.000	0.3100
13.000	0.3600
14.000	0.4100
15.000	0.4700
16.000	0.5900

17.000	0.7200

Name: N-G150 Base Flow(cfs): 0.000 Init Stage(ft): 10.750
Group: BL Warn Stage(ft): 13.500
Type: Stage/Area

PS N-OFF

Stage(ft)	Area(ac)
10.750	0.0010
11.200	0.0020
12.000	0.0400
13.000	0.2000
13.500	0.3100
17.000	0.3100

Name: N-G160 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

PS N-E1

Stage(ft)	Area(ac)
5.000	0.2000
11.000	0.4500
12.000	0.5200
13.000	0.6000
14.000	0.6800

Name: N-G170 Base Flow(cfs): 0.000 Init Stage(ft): 5.800
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

No changes to this node

Stage(ft)	Area(ac)

Name: N-G170A Base Flow(cfs): 0.000 Init Stage(ft): 5.800
Group: BL Warn Stage(ft): 12.000
Type: Stage/Area

New node - per SWA a dummy node (no storage) used to transition from the channel to the culvert

Stage(ft)	Area(ac)

Name: N-G180 Base Flow(cfs): 0.000 Init Stage(ft): 5.720
Group: BL Warn Stage(ft): 11.000
Type: Stage/Area

SWA - N-15 per Hamilton Grove model - wetland storage not included (dummy manhole?)
SWA - N-W15A per Mt Royall model

Used stage/area data as contained within the Mt Royall model, rather than the previously delineated stage/area d

Requested and received addtional stage/area data at:
Elevation 11 of 5.8 acres
Elevation 12 of 12.4 acres
per SWA on 01/20/04.

Stage(ft)	Area(ac)
5.720	0.0010
9.000	0.8900
10.000	2.2600
11.000	5.8000
12.000	12.4000

Name: N-G200 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

SWA - N-23

Stage(ft)	Area(ac)
4.500	0.0900
10.500	0.2000
11.000	0.2100
12.000	0.2400
13.000	0.3000
14.000	0.3300

Name: N-G210 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: BL Warn Stage(ft): 12.750
Type: Stage/Area

SWA - N-26

Stage(ft)	Area(ac)
4.000	4.4700
10.000	9.2000
11.000	14.4800
12.000	20.3000
12.500	22.2500

Name: N-G220 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

SWA - N-25

Stage(ft)	Area(ac)
4.500	0.6200
10.500	1.0200
11.000	1.0900
12.000	1.2300
13.000	1.3700
14.000	1.5200
15.000	1.7000

Name: N-G230 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

SWA - N-24

Stage(ft)	Area(ac)
4.500	0.1100
10.500	0.2500
11.000	0.2700
12.000	0.3300
13.000	0.4000
14.000	0.4500

Name: N-G240 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-22B

Stage(ft)	Area(ac)

Name: N-G250 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-22A

Stage(ft)	Area(ac)

Name: N-G260 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

SWA - N-22

Stage(ft)	Area(ac)
4.500	0.1600
10.500	0.3000
11.000	0.3300
12.000	0.3900
13.000	0.4400
14.000	0.5300
15.000	0.6200

Name: N-G270 Base Flow(cfs): 0.000 Init Stage(ft): 4.810
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-21B

Stage(ft)	Area(ac)

Name: N-G280 Base Flow(cfs): 0.000 Init Stage(ft): 8.320
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-21A

Stage(ft)	Area(ac)

Name: N-G290 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: BL Warn Stage(ft): 16.000
Type: Stage/Area

SWA - N-21

Stage(ft)	Area(ac)
5.000	0.1300
11.000	0.2000
12.000	0.2300
13.000	0.2700
14.000	0.3200
15.000	0.3600
16.000	0.4000

Name: N-G300 Base Flow(cfs): 0.000 Init Stage(ft): 7.990
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-20C

Stage(ft)	Area(ac)

Name: N-G310 Base Flow(cfs): 0.000 Init Stage(ft): 8.940
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 15.000
Type: Manhole, Flat Floor

SWA - N-20B

Stage(ft)	Area(ac)

Name: N-G320 Base Flow(cfs): 0.000 Init Stage(ft): 9.310
Group: BL Plunge Factor: 1.00 Warn Stage(ft): 13.000
Type: Manhole, Flat Floor

SWA - N-20A

Stage(ft)	Area(ac)

Name: N-G330 Base Flow(cfs): 0.000 Init Stage(ft): 13.500
Group: BL Warn Stage(ft): 14.500
Type: Stage/Area

SWA - N-20

Stage(ft)	Area(ac)
13.000	0.2100
14.000	1.2400

Name: N-G340 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: BL Warn Stage(ft): 12.500
Type: Stage/Area

SWA - N-18

Stage(ft)	Area(ac)
4.000	0.0800
10.000	0.1400
11.000	0.8100
12.000	7.1000
12.500	10.3100

Name: N-G350 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

SWA - N-19

Stage(ft)	Area(ac)
4.500	0.2800
10.500	0.5300
12.000	0.5700
13.000	0.6600
14.000	0.7500
15.000	0.8500

Name: N-G360 Base Flow(cfs): 0.000 Init Stage(ft): 10.500
Group: BL Warn Stage(ft): 16.500
Type: Stage/Area

SWA - N-17

Stage(ft)	Area(ac)
4.500	0.2500
10.500	0.4700
12.000	0.5000
13.000	0.5500

14.000	0.6200
15.000	0.7400
16.000	0.8500
16.500	0.8800

Name: N-G370 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: BL Warn Stage(ft): 12.500
Type: Stage/Area

SWA - N-16

Per requesting and receiving data from SWA on 01/20/04, we revised the stage/area data from the Hamilton Grove m

Stage(ft)	Area(ac)
11.000	0.3100
12.000	6.9000
12.500	10.1000

Name: N-G400 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: BL Warn Stage(ft): 12.500
Type: Stage/Area

SWA - N-10

Stage(ft)	Area(ac)
-1.000	1.9100
6.000	2.5200
7.000	2.6500
8.000	2.7800
9.000	2.9100
10.000	3.0500
11.000	4.0900
12.000	4.5200
12.500	4.6700
13.250	4.8900

Name: N-G410 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: BL Warn Stage(ft): 13.000
Type: Stage/Area

SWA - N-11

Stage(ft)	Area(ac)
2.000	0.2400
8.000	0.5700
9.000	0.6100
10.000	0.7500
11.000	0.8300
12.000	0.9000
13.000	1.0600

Name: N-G420 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: BL Warn Stage(ft): 13.000
Type: Stage/Area

SWA - N-2

Stage(ft)	Area(ac)
0.000	1.2100
6.000	1.5100
7.000	1.6200
8.000	1.7300
9.000	1.8400
10.000	1.9500
11.000	2.0700
12.000	2.3400
13.000	2.6000

Name: N-G430 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: BL Warn Stage(ft): 13.000
Type: Stage/Area

SWA - N-3

Stage(ft)	Area(ac)
2.000	0.3900
8.000	0.5700
9.000	0.6400
10.000	0.7100
11.000	0.7800
12.000	0.8500
13.000	1.0500

Name: N-G440 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: BL Warn Stage(ft): 13.500
Type: Stage/Area

SWA - N-4

Stage(ft)	Area(ac)
3.000	0.2300
9.000	0.4100
10.000	0.4700
11.000	0.5400
12.000	0.6100
13.000	0.6800
13.500	0.7300

Name: N-G450 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: BL Warn Stage(ft): 17.000
Type: Stage/Area

SWA - N-3F2

Stage(ft)	Area(ac)
4.000	0.0900
10.000	0.1400
11.000	0.1600
12.000	0.1800
13.000	0.2100
14.000	0.2400
15.000	0.2600
16.000	0.2900
17.000	0.3200

Name: N-G460 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

SWA - N-3F1

Stage(ft)	Area(ac)
4.000	0.2600
10.000	0.3500
11.000	0.4000
12.000	0.4500
13.000	0.5000
14.000	0.5600
15.000	0.6100

Name: N-G470 Base Flow(cfs): 0.000 Init Stage(ft): 9.000
Group: BL Warn Stage(ft): 15.000
Type: Stage/Area

SWA - N-6

Stage(ft)	Area(ac)
3.000	0.7400
9.000	0.9900
10.000	1.0700
11.000	1.1600
12.000	1.2600
13.000	1.4000
14.000	1.5400
15.000	1.8000

Name: N-G480 Base Flow(cfs): 0.000 Init Stage(ft): 10.000
Group: BL Warn Stage(ft): 17.000
Type: Stage/Area

SWA - N-5F1

Stage(ft)	Area(ac)
4.000	0.2500
10.000	0.3500
11.000	0.4000
12.000	0.4600
13.000	0.5100
14.000	0.5700
15.000	0.6200
16.000	0.6800
17.000	0.7400

Name: N-G490 Base Flow(cfs): 0.000 Init Stage(ft): 11.500
Group: BL Warn Stage(ft): 13.900
Type: Stage/Area

SWA - N-7

Requested and received additional stage/area data from SWA on 01/26/04 for elevation 14.1 to reduce extrapolatio

Stage(ft)	Area(ac)
11.500	0.0001
13.900	0.2500
14.100	0.3100

Name: N-G510 Base Flow(cfs): 0.000 Init Stage(ft): 11.000
Group: BL Warn Stage(ft): 14.000
Type: Stage/Area

SWA - N-12

Stage(ft)	Area(ac)
4.000	0.2300
11.000	0.3900
12.000	0.4400
13.000	0.5000
14.000	0.5600
14.500	0.5900

Name: N-H100 Base Flow(cfs): 0.000 Init Stage(ft): 5.500
Group: WAL Warn Stage(ft): 13.000
Type: Stage/Area

Haines, Gipson, & Associates - POND 1
Assume pond is now dry due to revised outlet structure that includes orifice

Stage(ft)	Area(ac)

5.500	1.6200
6.000	1.7000
7.000	1.7800
8.000	1.8700
9.000	1.9500
10.000	2.0400
11.000	2.1300
12.000	2.2200
13.000	2.3100

Name: N-H110 Base Flow(cfs): 0.000 Init Stage(ft): 6.000
Group: WAL Warn Stage(ft): 13.000
Type: Stage/Area

Haines, Gipson, & Associates - POND 2
Assume pond is now dry due to revised outlet structure that includes orifice

Stage(ft)	Area(ac)
6.000	1.0800
7.000	1.1700
8.000	1.2600
9.000	1.3600
10.000	1.4600
11.000	1.5600
12.000	1.6600
13.000	1.7600

Name: N-H120 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: WAL Warn Stage(ft): 13.000
Type: Stage/Area

Haines, Gipson, & Associates - POND 2A/3

Stage(ft)	Area(ac)
7.000	0.1300
8.000	0.1800
9.000	0.2200
10.000	0.2700
11.000	0.3200
12.000	0.3800
13.000	0.4300

Name: N-H130 Base Flow(cfs): 0.000 Init Stage(ft): 9.500
Group: WAL Warn Stage(ft): 13.000
Type: Stage/Area

Haines, Gipson, & Associates - POND 2B/4
Assumed pond remains wet - initial stage set to pond invert out

Stage(ft)	Area(ac)
7.000	0.0600
8.000	0.0800
9.000	0.1000
10.000	0.1300
11.000	0.1500
12.000	0.1800
13.000	0.2100

Name: N-I040 Base Flow(cfs): 0.000 Init Stage(ft): 7.000
Group: MB Warn Stage(ft): 12.000
Type: Stage/Area

Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 3: stage area information found on page 52.

Where do I get base flow information?

Stage(ft)	Area(ac)
7.000	0.1000
8.000	0.1600
9.000	0.2100
10.000	0.2600
11.000	0.3100
12.000	0.3600

Name: N-I042 Base Flow(cfs): 0.000 Init Stage(ft): 7.760
Group: MB Plunge Factor: 1.00 Warn Stage(ft): 9.760
Type: Manhole, Flat Floor

Stage(ft)	Area(ac)

Name: N-I060 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: MB Warn Stage(ft): 7.400
Type: Stage/Area

Stage Area modified for existing conditions. Pulled information from connor's proposed plans.

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
5.000	0.9240
7.400	1.2971
8.000	4.4663
11.000	14.1480
12.000	15.1290

Name: N-I080 Base Flow(cfs): 0.000 Init Stage(ft): 7.300
Group: MB Warn Stage(ft): 9.200
Type: Stage/Area

Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 5: stage area information found on page 67.

Where do I get base flow information?

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
7.300	0.1776
9.200	0.2502
10.000	0.3953
11.000	1.1696
12.000	2.9097

Name: N-I090 Base Flow(cfs): 0.000 Init Stage(ft): 5.500
Group: MB Warn Stage(ft): 7.500
Type: Stage/Area

Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 1: stage area information found on page 79.

Added additional stage area data for 5', 6' & 7' were added to help the mass balance report and simulation.

Per Conversation on 12/13/05 and e-mail on 12/14/05 with Connor, Initial Stage was lowered from 8 to 5.5.

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)

5.300	1.9503
7.500	2.4640
9.000	5.1757
11.000	9.3750
12.000	11.7330

Name: N-I098 Base Flow(cfs): 0.000 Init Stage(ft): 5.870
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-I099 Base Flow(cfs): 0.000 Init Stage(ft): 6.430
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

Added per survey 4/9/09. Jp

Stage(ft)	Area(ac)

Name: N-I100 Base Flow(cfs): 0.000 Init Stage(ft): 6.310
Group: MB Warn Stage(ft): 10.400
Type: Stage/Area

Updated based on survey 4/8/09 JP.

Stage(ft)	Area(ac)

Name: N-I101 Base Flow(cfs): 0.000 Init Stage(ft): 6.700
Group: MB Warn Stage(ft): 8.000
Type: Stage/Area

Overflow area. Added 4/21/09. JP

Stage(ft)	Area(ac)
6.700	0.0215
8.000	0.1179
10.000	1.8261
11.000	4.9796
12.000	7.6081

Name: N-I150 Base Flow(cfs): 0.000 Init Stage(ft): 6.400
Group: MB Warn Stage(ft): 9.200
Type: Stage/Area

Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 7: stage area information found on page .

Where do I get base flow information?

Updated areas and elevations from survey 4/9/09. JP

Stage(ft)	Area(ac)
5.000	0.0967
6.000	0.1200
6.400	0.1576
9.200	0.2349

Name: N-I152 Base Flow(cfs): 0.000 Init Stage(ft): 6.640
Group: MB Warn Stage(ft): 11.200
Type: Stage/Area

the warning stage was set at the rim elevation of 11.2'

Stage(ft)	Area(ac)

Name: N-I153 Base Flow(cfs): 0.000 Init Stage(ft): 6.590
Group: MB Warn Stage(ft): 11.250
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-I170 Base Flow(cfs): 0.000 Init Stage(ft): 6.680
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-I180 Base Flow(cfs): 0.000 Init Stage(ft): 8.030
Group: MB Warn Stage(ft): 9.200
Type: Stage/Area

Added additional stage area data from 0' to 6'' was added to help the mass balance report and simulation.

Per Connor's report stage area data is the following for pond 2,3,&4
82.37
92.82
104.32
1126.3 (This is a real concern, B-I200 has an area of 24.242, this stage area data at an

Decided to break the ponds and use the data derived from the cadd file. Hand-written data can be found on pg. 1

Updated Areas based on survey 4/8/09 JP.

Stage(ft)	Area(ac)
1.000	0.0392
2.000	0.0568
3.000	0.0752
4.000	0.0944
5.000	0.1140
6.000	0.1460
8.000	0.2160
8.100	1.5182
9.200	1.7618
11.000	25.7010
12.000	34.9340

Name: N-I230 Base Flow(cfs): 0.000 Init Stage(ft): 6.900
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

Warning Stage is set at 10' at the rim elevation for junction box #48.

Stage(ft)	Area(ac)

Name: N-I240 Base Flow(cfs): 0.000 Init Stage(ft): 8.000
Group: MB Warn Stage(ft): 10.000
Type: Stage/Area

Information on Pond 1 is located in Shadowmoss Report on page 48.

Added additional stage area data for 5', 4', & 3' w

ere added to help the mass balance report and simulation.
Per AutoCAD file and plan, stage area at 11' was removed because it was not delineated.

Revised stage area data, based on AutoCAD file the stage in the report were set one 1' above the actual area. F

Added additional stage area data for 6' & 7'.

Elevation 11 and 12 were estimated with LiDAR. Pond does not yet exist, so this is just a flood plain. All ele

Stage(ft)	Area(ac)
3.000	0.4280
4.000	0.4800
5.000	0.5320
6.000	0.5840
7.000	0.6370
8.000	0.7200
9.000	0.8000
10.000	0.8900
11.000	11.7970
12.000	16.4740

Name: N-I250 Base Flow(cfs): 0.000 Init Stage(ft): 8.600
Group: MB Warn Stage(ft): 11.200
Type: Stage/Area

10/18/05 Notes
POND STAGE AREA DATA IN B-I250 AND B-I260 HAVE BEEN DIVIDED. THE INFORMATION IN THE REPORT SHOWS THE STAGE AREA

Report - Post Development Map shows B-I250 & B-I240 to both be

Details for structure #54 found on page 22 of villa plans.
30'-15" HDPE (.010); In 8.0, Out 7.0
not twin pipes.

ORIGINAL NOTES
I PULLED THE STAGE AREA DATA OFF THE CAD FILES.

NOTE - THIS BASIN WAS SPLIT SO THE STAGE AREA INFORMATION NEEDED TO BE DIVIDED BETWEEN THE SEGMENTED BASINS.

NOTE - THE AREA OF THE POND DECRESED AS THE STAGE LEVEL RISES FROM 7 TO 8. AS THE STAGE MOVES UP TO 8 FEET THE

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
8.600	0.3171
11.200	0.4828
13.000	2.3639
14.000	8.5451

Name: N-I252 Base Flow(cfs): 0.000 Init Stage(ft): 8.570
Group: MB Warn Stage(ft): 12.000
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-I255 Base Flow(cfs): 0.000 Init Stage(ft): 8.380
Group: MB Warn Stage(ft): 12.000
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

Name: N-I260 Base Flow(cfs): 0.000 Init Stage(ft): 7.600
Group: MB Warn Stage(ft): 11.000

Type: Stage/Area

POND STAGE AREA DATA IN B-I250 AND B-I260 HAVE BEEN DIVIDED. THE INFORMATION IN THE REPORT SHOWS THE STAGE AREA

Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 2: stage area information found on page 39.

Pond 2 appears to include both ponds in basin B. As I see it there are three options:
1. Keep this stage area information as it is in the first pond and keep the same layout in the model
2. Keep this stage area information as it is in the first pond and eliminate the second pond in basin B from the ICPR layout.
3. Separate the stage area information and determine areas for each pond separately and keep the same layout in

Where do I get base flow information?

Report Stage area
81.57
91.74
101.9

This data does not agree with cadd file areas. I used the cadd data

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
7.600	1.5363
11.000	2.2169
12.000	2.6868

♀

Name: N-I265 Base Flow(cfs): 0.000 Init Stage(ft): 7.380
Group: MB Warn Stage(ft): 16.000
Type: Stage/Area

Added per survey 4/9/09. JP

Stage(ft)	Area(ac)

♀

Name: N-I270 Base Flow(cfs): 0.000 Init Stage(ft): 5.000
Group: MB Warn Stage(ft): 8.000
Type: Stage/Area

Node N-C200 and L-C200C1 eliminated and area modeled as pond in this node. Thsi was done to more accurately sho

Stage(ft)	Area(ac)
5.000	0.0668
7.000	0.2122
8.000	0.2700
9.000	0.3514
10.000	0.5868
10.500	0.8600

♀

Name: N-I280 Base Flow(cfs): 0.000 Init Stage(ft): 9.460
Group: MB Warn Stage(ft): 10.200
Type: Stage/Area

10/18/05 Notes
Report - Post Development Map shows B-I250 & B-I240 to both be

Details for structure #54 found on page 22 of villa plans.
30'-15" HDPE (.010); In 8.0, Out 7.0
not twin pipes.

ORIGINAL NOTES
Assumed that the pond created is the same that is in the detailed plan and the report.
Pond 1: stage area information found on page 19 IN REPORT

Updated per survey 4/9/09. Modeled full because no reason for lower water level could be found. JP

Stage(ft)	Area(ac)
6.400	0.1633
10.200	0.3277
11.000	0.4204

Name: N-I290 Base Flow(cfs): 0.000 Init Stage(ft): 7.600
Group: MB Warn Stage(ft): 8.300
Type: Stage/Area

Because the engineer designed CT basin without a release area. I have inserted this node into the model. I have

I used the digital information provided by conner in cadd on the existing pond for the stage area information.

Updated Areas based on survey and LiDAR 4/8/09 JP.

Stage(ft)	Area(ac)
7.400	0.1744
8.300	0.2539
9.000	0.5140
10.000	0.7869