

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
ALACHCHAN	Channel between Alachua Lake and Alachua Sink on Payne's Prairie. Site is at beginning of channel on west side of Alachua Lake. Banks gradually slope to about 2m in height and contain herbaceous vegetation. Stream bottom is rocky with pebbles, limestone rocks, and some sand. Flow is WNW.	29.60542	-82.30189	3/12/03	WGS84	From SR 26, turn south on CR 2043 (SE 15th Street); when CR 2043 turns east, Payne's Prairie State Preserve is south; Alachua Sink and associated water bodies are south of FDEP Recreation and Parks Division, District 2 Headquarters; contact (352) 955-2135 for access. Site is on the channel between Alachua Lake and Alachua Sink on Payne's Prairie. Site is at beginning of channel on west side of Alachua Lake.
ALACHLAKE	Lake/marsh upstream of inlet to Alachua Sink. On Payne's Prairie. Sample at the 4-holed weir (upstream side). Banks are fairly wide and then approx 3m high and has herbaceous vegetation. Stream bottom is sandy, silty, and littered with concrete pieces. Flow direction is 20 degrees.	29.60261	-82.30286	3/12/03	WGS94	From SR 26, turn south on CR 2043 (SE 15th Street); when CR 2043 turns east, Payne's Prairie State Preserve is south; Alachua Sink and associated water bodies are south of FDEP Recreation and Parks Division, District 2 Headquarters; contact (352) 955-2135 for access. This site is at the Mouth of the Primary Inlet feeding Alachua Sink.
ALACHPSF	Primary Sink Feature at Alachua Sink. On Payne's Prairie.	29.60650	-82.30256	3/12/03	WGS94	From SR 26, turn south on CR 2043 (SE 15th Street); when CR 2043 turns east, Payne's Prairie State Preserve is south; Alachua Sink and associated water bodies are south of FDEP Recreation and Parks Division, District 2 Headquarters; contact (352) 955-2135 for access. This site is at the Primary Sink feature at Alachua Sink.
ALACHSINK	Large water body east of the Primary Sink Feature at Alachua Sink. On Payne's Prairie.	29.60553	-82.30064	3/12/03	WGS94	From SR 26, turn south on CR 2043 (SE 15th Street); when CR 2043 turns east, Payne's Prairie State Preserve is south; Alachua Sink and associated water bodies are south of FDEP Recreation and Parks Division, District 2 Headquarters; contact (352) 955-2135 for access. This site is a large water body east of the Primary Sink feature at Alachua Sink.
ASHLEY19	Tributary to Hogtown Creek on Cumberland Circle, south of GHS. Banks are very steep.	29.66881	-82.34560	7/15/05	WGS84	From NW 16th Avenue, turn north on NW 16th Terrace, then west on NW 19th Circle (also called Cumberland Circle); left at stop sign to house #1627 and 1629; follow path on the left of house. Go down to the creek at the point that is in the middle of the duplex (may be a path). Address: 1627 NW 19th Circle.
BEUPSTREAM	This site is in Little Hatchet Creek upstream of the discharge point for the effluent from the Brittany Estates Mobile Home Park Wastewater Treatment Plant. Sample downstream of bridge.	NM	NM	N/A	N/A	From the intersection of University Ave (SR 26) and Waldo Road (SR24) proceed northeast on Waldo Road. Turn west (left) into the Brittany Estates Mobile Home Park.
BEINFLUENT	Raw influent to the Brittany Estates Mobile Home Park Wastewater Treatment Plant	NM	NM	N/A	N/A	From the intersection of University Ave (SR 26) and Waldo Road (SR24) proceed northeast on Waldo Road. Turn west (left) into the Brittany Estates Mobile Home Park.
BEEFFLUENT	Treated effluent from the Brittany Estates Mobile Home Park Wastewater Treatment Plant	NM	NM	N/A	N/A	From the intersection of University Ave (SR 26) and Waldo Road (SR24) proceed northeast on Waldo Road. Turn west (left) into the Brittany Estates Mobile Home Park.
BEVNW8	Tributary to Hogtown Creek on Cumberland Circle, south of GHS. Banks are very steep.	29.65985	-82.39389	7/14/05	NAD83	From the intersection of University Ave (SR 26) and Main St, Head North on Main Street (SR 329), turn West on NE 8th Avenue. Follow 8th Avenue to NW 43rd St. Continue about 3 more blocks west on NW 8th Avenue after the intersection and turn into parking lot of Cofrin Nature Park on the North side of the road. Sample on the north side of NW 8th Avenue. (Park is just West of NW 43rd St.)
BIV331	From SR 331 (Williston Rd) stop at single box cement culvert on the West side of the road, between Bivens Arm Nature Park and the FWC. Outfall from marsh may be stagnant or dry.	29.61649	-82.33578	7/19/05	WGS84	From University Ave and Main St. (SR 26) head South on Main St and continue to SR 331 (Williston Road). Veer to stay on SR 331 (Williston Rd). Travel about 672 feet (approx .12 mi.) from intersection. Stop at single box cement culvert on the West side of the road. Sample north of SR 331 (Williston Road) - this is east of US 441 (SW 13th St). This site is for outfall from marsh - can be stagnant or dry.
BIVARM	This site is in the middle of Bivens Arm Lake, West of US 441 (SW 13th Street). Site is approx .27 mile due west of US 441 (SW 13th Street); and approx .82 mi. due South of SW 16 Avenue. Access by boat is required. Lake is surrounded by vegetation; some is invasive. Recent emergence is Taro. Grass Carp were added to this lake for control of invasive plants. Site purpose is variable: wetlands, IFAS, residential, commercial. Lake bottom contains thick, organic muck.	29.62361	-82.34389	7/19/05	NAD83	From University Ave (SR 26) and Main St, head South on Main Street (SR 329), turn West on SW 16th Ave. Turn South at the traffic light for the UF School of Vet. Medicine. Follow road around sharp bend, turn on the first available road on your left (South) at the Fence Gate. Follow this road to the lake for boat access. Site is in the Center of Bivens Arm Lake, west side of US 441. Site is approx .27 mile due west of US 441 (SW 13th Street); and approx .82 mi. due South of SW 16 Ave.
ELIZ309NW23	Elizabeth Creek behind the residence at NW23rd Dr. The bank is eroded but vegetated with an overstory and an understory. There is some bank reinforcement structures. The stream bottom is sand with rock rubble, leaf litter, and silt.	29.05458	-82.35759	4/26/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26). Go north (right) on NW 23rd Drive. Take a left into the driveway at 309 NW 23rd Drive. The creek is behind the house. Ask permission to access.

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
ELIZARBOR	Overgrown with vines, lots of trash.	29.65235	-82.35682	9/29/2005	NAD83	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26). Go north (right) on NW 23rd St. The Arboretum is on the west side of the road. Sample downstream of culvert at University Ave.
ELIZNW23	This site is approximately 10 meters upstream of the culvert at NW23rd St. The stream bank is eroded and has a narrow forested riparian buffer. The stream bottom is rocky, silt, with clay outcrops.	29.65331	-82.35664	4/26/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26). Go north (right) on NW 23rd St. The creek crosses NW23rd st about 1/4 of a mile North of University Ave. Sample upstream of the crossing.
ELIZNW7	Herbaceous and forested riparian; driveway and lawn ~10 ft on west bank; banks are not steep; shifting sand bottom; outfall pipe just upstream of sample point. Site is located at: 2401 NW 7th Road; sample upstream of culvert.	29.65708	-82.36002	7/15/05	WGS84	From University Avenue (SR 26) at Main Street (SR 329), head West on University Avenue (SR 26). Then, turn North (right) onto NW 22nd Street and then turn west (left) on NW7th Road. Site is located at: 2401 NW 7th Road. Sample upstream of culvert.
ELIZNW7DS	Site is located downstream of the culvert at NW7th Road. Creek is braided through a wetland. There is a developed overstory and an understory. The stream bottom is sandy with lots of silt.	29.65708	-82.36002	6/8/05	WGS84	From University Avenue (SR 26) at Main Street (SR 329), head West on University Avenue (SR 26). Then, turn North (right) onto NW 22nd Street and then turn west (left) on NW7th Road. Site is located at: 2401 NW 7th Road. Sample aproxiamtely 100-200 meters downstream of culvert.
ELIZUNIV	Concrete. Can't sample in natural streambed due to fence along president's property.	29.65196	-82.35533	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) to just past NW 22nd St (and before SW 23rd Street. This is the 2nd stream crossing west of NW 22nd St. Sample on the south side of University Avenue, near UF President's house; sample between culvert and fence.
ELIZUNIVUS	Vegeated banks. Stream bottom sand, silt, and organics.	29.65207	-82.35430	9/29/2005	NAD83	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) to just past NW 22nd St. This is the first stream crossing west of NW22nd St. Sample on the south side of University Avenue, near UF President's house.
GLENSP	Vegetated overstory and understory; banks are not steep; sand bottom. Sample downstream of sewer line.	29.67223	-82.34589	7/15/05	WGS84	From University Avenue (SR 26) and US 441 (NW 13th Street), head North on US 441 (NW 13th Street). Then, turn West (left) on NW 23rd Blvd; and go to Gaineswood Condos on south side of road, follow their signs to Recreation Center. Walk path between pool and tennis court; sample downstream of sewer line.
HAILESINK	On Hogtown Creek - 108.4m downstream of Hog Sink, and 15m upstream from the Sugarberry tree. Sample at fence, by large oak tree near house with large vine next to small holly tree on north side of property. Bank has gradual slope with trees and vegetation. Stream bottom is sand with limerock boulders. Flow direction is south.	29.62878	-82.41096	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) to SW 75th Street (Tower Road). Turn South (left) onto SW 75th (Tower Road) - (also called CR SW 29). Turn East (left) onto SW 24th Avenue, turn South (right) on SW 96th Terrace; turn East (left) onto SW 26th Place; when road splits gate is on the left; Haile Sink is on right just before the house.
HAT225	Site is east of CR 225 (Fairbanks area) on Hatchet Creek. Sample downstream of CR225. Stream flow is ENE.	29.73537	-82.27482	7/20/05	NAD83	From US 441 (NW 13th Street) and NW 39th Avenue (SR 222), head East on NW 39th Avenue (SR 222) to NE 15th Street. Turn North (left) onto NE 15th Street. Then, turn East (right) onto NE 53rd Avenue. Next, turn North (left) onto SR 225 and drive for approx. 2.13 mi. Site is East of CR 225 (Fairbanks area). Sample downstream of culvert.
HAT225US	Site is West of CR 225 (Fairbanks area) on Hatchet Creek. Sample approx 25m upstream of culvert (just before small, leaning tree). Banks/area is wooded. Stream bottom is sandy with some organic matter present. Stream flow is ENE.	29.73427	-82.27701	7/20/05	NAD83	From US 441 (NW 13th Street) and NW 39th Avenue (SR 222), head East on NW 39th Avenue (SR 222) to NE 15th Street. Turn North (left) onto NE 15th Street. Then, turn East (right) onto NE 53rd Avenue. Next, turn North (left) onto SR 225 and drive for approx. 2.13 mi. Site is West of CR 225 (Fairbanks area). Sample approx 25m upstream of culvert.
HAT26	Upstream of SR 26 (north side of SR 26) at bridge with 9 rows of cement posts; 4 per row. North of Newnan's Lake. Banks are shallow. Area is wetlands, water is tannic. Stream bottom is soft, shifting sands with vegetation and OM. Flow direction is south.	29.68783	-82.20663	4/20/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) for approx 8.14 mi. to Hatchet Creek. Sample upstream of SR 26 (north side of SR 26) at bridge with 9 rows of cement posts; 4 per row. North of Newnan's Lake.
HAT26TRIB	Site is approx .14 mi. upstream from the HAT26 site. (HAT26 site info: Sample upstream of SR 26 (north side of SR 26) at bridge with 9 rows of cement posts; 4 per row. North of Newnan's Lake.) Banks are shallow. Area is wetlands, water is tannic. Stream bottom is soft, shifting sands with vegetation and OM. Flow direction is south.	29.68898	-82.20564	7/20/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) for approx. 8.14 mi. to Hatchet Creek. Sample upstream of SR 26 (north side of SR 26). Site is approx .14 mi. upstream from the HAT26 site. (HAT26 site info: Sample upstream of SR 26 (north side of SR 26) at bridge with 9 rows of cement posts; 4 per row. North of Newnan's Lake.)

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
HATCONA	Site is approx .58 mi. up from the HAT26 site. Located in the SJRWMD Newnan's Lake Conservation Area Hatchet Creek Tract; from parking take road to west, then trail north to creek.	29.69342	-82.20050	3/16/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) for approx. 8.14 mi. to Hatchet Creek. Site is approx .58 mi. up from the HAT26 site. Located in the SJRWMD Newnan's Lake Conservation Area Hatchet Creek Tract; from parking take road to west, then trail north to creek.
HATCONB	Site is located in the SJRWMD Newnan's Lake Conservation Area Hatchet Creek Tract; from parking take trail to the East, Take the third? Right fork. This trail goes over the creek. Sample between the road crossing and the wooden bridge.	29.70871	-82.19044	9/6/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) for approx. 8.14 mi. to Hatchet Creek. From parking take trail to the East, Take the third? Right fork. This trail goes over the creek. Sample between the road crossing and the wooden bridge.
HATCONC	Site is approx 1.72 mi. up from the HAT26 site. Located in SJRWMD Newnan's Lake Conservation Area Hatchet Creek Tract; Hatchet Creek branch in middle of conservation area; sample at trail.	29.70848	-82.19415	9/6/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Avenue (SR 26) for approx. 8.14 mi. to Hatchet Creek. Site is approx 1.72 mi. up from the HAT26 site. Located in SJRWMD Newnan's Lake Conservation Area Hatchet Creek Tract; Hatchet Creek branch in middle of conservation area; sample at trail. The entrance to the SJRWMD Newnan's Lake Conservation Area is directly across SR 26 from SE 119th Terrace.
HATTRIBAC	Site is located in the Austin Carey Memorial Forest; sample east side of Waldo Road; north of NE 80th Way. Sample at end of culvert (before old wooden bridge), area is covered in Wild Taro. Banks are grass and slope gradually. Stream bottom is muck.	29.74249	-82.23130	7/18/05	WGS84	From University Ave (SR 26) and Main Street (SR 329), head East on University Ave (SR 26) to Waldo Road (SR 24). Turn North onto SR 24 (Waldo Road) and proceed for approx 8 mi. Site is located in the Austin Carey Memorial Forest; sample east side of Waldo Road; north of NE 80th Way. Sample at end of culvert (before old wooden bridge), area is covered in Wild Taro.
HATTRIBWALDO	Sample on the East side of Waldo Road, near NE 72nd Drive - approx 26.15m downstream from SR 26. Banks have gradual slope. Stream bottom is soft shifting sand.	29.73605	-82.24104	7/18/05	WGS84	From University Ave (SR 26) and Main Street (SR 329), head East on University Ave (SR 26) to Waldo Road (SR 24). Turn North onto SR 24 (Waldo Road) and proceed for approx 7.25 mi. Sample on the East side of Waldo Road, near NE 72nd Drive.
HATTRIBWALDON	Sample on the West side of Waldo Road, near NE 75th Street and approx 0.135 mi. east of HATTRIBWALDO. Sample upstream approx 17m from SR 26. Banks have gradual slope. Stream bottom is soft shifting sands.	29.73768	-82.23959	7/18/05	WGS84	From University Ave (SR 26) and Main Street (SR 329), head East on University Ave (SR 26) to Waldo Road (SR 24). Turn North onto SR 24 (Waldo Road) and proceed for approx 7.4 mi. Sample on the West side of Waldo Road, near NE 75th Street. Sample upstream approx 17m from SR 26.
HATWALDO	Sample .4 mi. east of Waldo Road (SR 24) at creek. Sample just inside the wooded area of the channelized portion. Stream bottom is soft shifting sands. Bank has exposed roots.	29.72995	-82.24905	7/15/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), head West on University Ave (SR 26) to NW 34th Street (SR 121). Turn North onto NW 34th Street (SR 121). Proceed for approx 5.46 mi. Then, on foot, proceed .4 mi. west. Sample East of Waldo Road (SR 24) at creek.
HOG30	Site is on the south side of CR 30 (SW 20th Avenue) on Hogtown Creek at bridge (east of SW 62nd Blvd). Banks are vertical, about 0.3m high. Stream bottom is soft sand. Staff gage is present. Flow direction is south.	29.63806	-82.39250	10/12/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Ave (SR 26) to Saw 62nd Blvd. Turn South onto SW 62nd Blvd. and proceed to CR SW 30 (SW 20th Ave). Veer southward onto SW 20th Ave (CR SW 30). Site is on the south side of CR 30 (SW 20th Avenue) on Hogtown Creek at bridge (east of SW 62nd Blvd).
HOG30US	Site is on the North side of CR 30 (SW 20th Avenue) on Hogtown Creek at bridge (east of SW 62nd Blvd). Stream bottom is soft sand. Streambank is forested wetland. Flow direction is south.	29.63839	-82.39219	10/12/04	NAD83	From University Avenue (SR 26) and Main Street (SR 329), head West on University Ave (SR 26) to Saw 62nd Blvd. Turn South onto SW 62nd Blvd. and proceed to CR SW 30 (SW 20th Ave). Veer southward onto SW 20th Ave (CR SW 30). Site is on the north side of CR 30 (SW 20th Avenue) on Hogtown Creek at bridge (east of SW 62nd Blvd).
HOGCETRIB	This is a small trib, likely receiving roof runoff and stormwater from the apartments. It has a narrow forested buffer. There are little waterfalls you can collect samples from.	29.67434	-82.34432	8/13/07	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 23rd Street (Glen Springs Road). Turn West onto NW 23rd Street (Glen Springs Road). Then, turn North onto NW 16th Terrace into Creeks Edge Condos. Go west (left) at the first road. This will take you to a cluster of buildings. There is a small trib hidden by the trees running from the buildings south to Hogtown creek.
HOG EAST	Creek discharge from underground culvert; concrete at sample point	29.67748	-82.34200	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head West on University Ave (SR 26) to NW 13th Street. Turn North onto NW 13th Street (US 441). Site is behind the old K-Mart shopping center (NW 13th Street and NW 23rd Avenue); creek discharging from underground culvert at sample point.
HOGGHSN	Developed overstory and understory; some undercut banks; sand bottom with some pebbles and organic matter.	29.67212	-82.34394	7/15/05	WGS84	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 23rd Street (Glen Springs Road). Turn West onto NW 23rd Street (Glen Springs Road). Turn South onto NW 16th Terrace, then west on NW 22nd Circle (Hobbit's Glen). Road dead-ends at GRU LS #70 on top of steep bank (approx 38.9m southwest of lift station).

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HOGGHSNASH	Site is upstream of culvert in the Ashley Creek Condo complex. The banks are steep and there is a lot of trash.	29.67081	-82.34158	4/26/06	WGS84	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 16th Ave and Turn East. Turn North onto NW 16th Terrace, then east on NW19th Lane. Turn North into the Ashley Creek Condos and proceed east. The parking lot ends at an old stream crossing. Sample upstream.
HOGNW16	Hogtown Creek - in Ring Park, North of NW 16th Ave (between NW 18th Street and NW 20th Way). Sample 100m upstream from culvert under NW 16th Ave on Hogtown Creek. Banks are vegetated with some erosion and undercutting. Stream bottom is shifting sand with some sediment smothering. Stream flow direction is SE.	29.66703	-82.34863	10/12/04	WGS84	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 16th Avenue. Turn West onto NW 16th Avenue. Pull in to Ring Park on the north side of NW 16th Avenue (between NW 18th Street and NW 20th Way). Sample 100m upstream from culvert under NW 16th Ave on Hogtown Creek.
HOGNW16S	Site is on NW 16th Avenue, west of NW 18th Street; sample south of NW 16th Avenue. Site is approx 91m downstream of HOGNW16. Banks are vegetated with some erosion and undercutting. Stream bottom is shifting sand with some sediment smothering. Stream flow direction is SE.	29.66658	-82.34930	7/20/05	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 16th Avenue. Turn West onto NW 16th Avenue and park on the side of the road. Site is on NW 16th Avenue, west of NW 18th Street; sample south of NW 16th Avenue. Site is approx 91m downstream of HOGNW16.
HOGNW16STRIB	Site is located south of NW16 Ave and Ring Park. The creek is a trib of Hogtown Creek coming in from the east. There are manholes along the trib and Hogtown Creek in this area. The area has a strong sewage odor. The stream bank is vegetated with some large sand deposits. The stream bottom is shifting sand.	29.66656	-82.34926	9/13/2005	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 16th Avenue. Turn West onto NW 16th Avenue and park on the side of the road. Site is on NW 16th Avenue, west of NW 18th Street; sample south of NW 16th Avenue. Site is approx 91m downstream of HOGNW16. Site is a trib to Hogtown Creek.
HOGNW19	Site is located at the wooden bridge on NW 19th Street on Hogtown Creek, and is south of NW 53rd Avenue; sample approx 6m downstream of bridge. Banks are vegetated and fairly steep (approx 9 ft.). Stream is shaded by canopy. Stream bottom is shifting sand with some large rocks. Flow is SE.	29.69785	-82.34715	7/14/05	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 45th Avenue. Turn West on NW 45th Avenue and go to NW 19th Street. Turn North onto NW 19th Street and go north for approx .13 miles. Site is located at the wooden bridge on NW 19th Street and is south of NW 53rd Avenue; sample approx 6m downstream of bridge.
HOGNW22	Site is located on NW 22nd Street, between NW 16th Avenue and NW 8th Avenue; sample Hogtown Creek downstream of NW 22nd Street at triple box cement culvert. Bank is steep, approx 2m high, with some vegetation and recently deposited sand. Stream bottom is soft sand. Flow direction is west.	29.66343	-82.35378	10/12/04	WGS84	From University Avenue (SR 26) and NW 13th Street (US 441), head West on W. University Ave (SR 26) to NW 22nd Street. Turn North onto NW 22nd Street and travel approx .76 miles. Site is located on NW 22nd Street, between NW 16th Avenue and NW 8th Avenue, at triple box cement culvert; sample downstream of NW 22nd Street.
HOGNW23	Site is at the Covered Bridge Apartments; sample approx 10m upstream of covered bridge. Banks are highly eroded, approx 7-8 ft high. Stream bottom is shifting sand with silt. Stream flow direction is south.	29.67483	-82.34337	10/12/04	WGS84	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) to NW 23rd Street (Glen Springs Road). Turn West onto NW 23rd Street (Glen Springs Road). Then, turn North onto NW 16th Terrace. Site is at the Covered Bridge Apartments; sample approx 10m upstream of covered bridge.
HOGNW45	Site is located on the south side NW 45th Avenue at Hogtown Creek. Sample 1.5m downstream from double box concrete culvert. Banks are steep and vegetated; there are sandbags on the south side. Stream bottom contains shifting sands. Stream flow is west.	29.69558	-82.34520	10/12/04	WGS84	From University Avenue (SR 26) and US 441 (13th Street), head North on US 441 (NW 13th Street) to NW 45th Street. Turn West onto NW 45th Street. Site is located on the south side NW 45th Avenue at Hogtown Creek, about .4 mi. west of NW 22 Street. Sample 1.5m downstream from double box concrete culvert.
HOGNW53	This site is often dry. If possible sample downstream of NW53rd Ave. If this is too shallow you may have to sample the ponded area upstream of NW53rd Ave.	29.70299	-82.34926	8/13/07	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), head North on NW 13th St (US 441) then west on NW 53rd Avenue. Hogtown Creek is channelized here and goes under 53rd Ave approx 1/4 of a mile past NW19th St.
HOGNW8	Site is north of NW 8th Avenue on Hogtown Creek, about .4 mi. west of NW 22nd Street. Sample approx 24m upstream of culvert under NW 8th Ave. Banks are forested and not steep. Floodplain. Stream bottom is shifting sand, not much organic matter. Flow direction is south.	29.65955	-82.36065	10/12/04	WGS84	From W. University Avenue (SR 26) and Main Street (SR 329), head North on Main Street (SR 329) to NW 8th Avenue. Turn West (left) onto NW 8th Avenue (also called SR 26-A). Travel approx 2.14 mi. Site is north of NW 8th Avenue on Hogtown Creek, about .4 mi. west of NW 22nd Street. Sample approx 24m upstream of culvert under NW 8th Ave.

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HOGSINK	On Hogtown Creek - 108.4m upstream of Haile Sink. Sample downstream of fence extending into the water on north side of property. Bank has gradual slope with trees and vegetation. Stream bottom is sand with limerock boulders. Flow direction is south.	29.62973	-82.41117	7/15/05	WGS84	From W. University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to SW 75th Street (West of I-75). Turn South onto SW 75th Street (Tower Road). Next, turn East onto SW 24th Avenue. Then, turn South on SW 96th Terrace; then, East (left) on SW 26th Place. When road splits gate is on the left. Sample downstream of fence extending into the water on north side of property.
HOGSW2	Site is located on SW 2nd Avenue, between SW 34th Street and Newberry Road at pedestrian foot bridge by Hawaiian Village Apts on south side of SW 2nd Avenue; sample downstream of SW 2nd Avenue. Bank is high, channelized, mowed, with a small channel in the wide, flat bottom. Stream bottom has deep sand, very soft and shifting - little to no organic material. Flow direction is south.	29.65032	-82.37533	10/12/04	WGS84	From W. University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to SW 34th Street (SR 121). Site is located on SW 2nd Avenue (aka SR 26A), between SW 34th Street and Newberry Road at pedestrian foot bridge by Hawaiian Village Apts on south side of SW 2nd Avenue; sample downstream of SW 2nd Avenue.
HOGUSRAT	Herbaceous steep banks (~3 m); some undercut banks; exposed Hawthorn Group; shifting sand bottom with some pebbles. There is a house on the north bank.	29.66381	-82.35265	4/26/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel for 1.75 miles to NW 22nd Street. Turn North onto NW 22nd Street. Take foot trail on east side of street. A wooden pedestrian bridge on the foot trail crosses Rattlesnake Branch. The confluence with Hogtown Creek is just downstream. Walk the creek until you reach Hogtown Creek and then go upstream approximately 50 meters.
LFC26	Site is located on the south of W. University Avenue and is just east of Morningside Nature Park. Site is approx 5m downstream of triple box culvert under SR 26. Banks are vegetated and contain macrophytes and young trees. Stream bottom is shifting sand, sulfide bacteria, and clumps of macrophytes. Flow direction is south.	29.65160	-82.28450	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Ave) for approx 2.45 mi. Site is located on the south of SR 26 (E. University Ave) and is east of Morningside Nature Park. Site is approx 5m downstream of triple box culvert under SR 26.
LFC329B	Site is located on the north side of CR 329B, at approx 0.63 miles from where CR 329B splits from E. University Ave (SR 26) and is 1 mile west of Newnan's Lake. Site is approx 20m upstream from double box culvert on CR 329B. Wetland - vegetated. Stream bottom is silty with lots of organic matter.	29.65143	-82.24968	9/19/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Ave) to where it forks with CR 329B. Veer right (east) onto CR 329B and park. Site is located on the north side of CR 329B approx 0.63 miles from where CR 329B splits from E. University Ave (SR 26).
LFCNE25	Site is located on Lake Forest Creek on the east side of NE 25th Street and just west of Lofton High School. Creek goes underground at NE 25th Street. Stream is channelized is full of macrophytes. Sample downstream of culvert at NE 25th St.	29.62845	-82.30590	9/21/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed east on SR 26 (University Ave) to SE 15th Street (CR 2043). Turn north onto NE 25th Street. This site is just east of NE 25th St. Sample downstream of the culvert at NE25th St.
LFCNE3AVE	Channelized. Intermittent flow.	29.65373	-82.29460	4/25/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed east on SR 26 (University Ave). Turn north onto NE 25th Street. Go west on NE3rd Ave. Sample downstream of the culvert at NE23rd St.
LFCNE5AVE	Channelized. Intermittent flow.	29.65555	-82.30054	4/25/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed east on SR 26 (University Ave). Turn north onto NE 25th Street. Go west on NE3rd Ave. Go north on NE 19th St. You will cross the channelized creek, sample downstream of the culvert.
LFCSE24	Site is located east of NE 24th Street. (Health Dept: 224 SE 24th St. Gainesville, FL 32641). Site is located north of the Alachua County Health Dept, on the east side of the bridge. Sample approx 5m downstream of triple box culvert under SE 24th Ave. Banks are steep (approx 7ft high), undercut, and forested. Stream bottom is silt, macrophytes. Stream flow direction is east.	29.64832	-82.29319	7/14/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed east on SR 26 (University Ave) to NE 24th Street. Turn north onto NE 24th Street. Site is located east of NE 24th Street, north of the Alachua County Health Dept, on the east side of the bridge. Sample approx 5m downstream of triple box culvert under SE 24th Ave.
LFCSE43	Site is located on the west side of SE 43rd Street, after SE 6th Ave. and before SE 8th Ave. in the Lake Forest Glen subdivision. Sample approx .5m downstream from the double box culvert. Banks (away from road) are forested. Stream bottom is sand with some organic matter. Steam flow direction is east.	29.64567	-82.27213	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Ave) to SE 43rd Street. Turn South onto SE 43rd Street. Site is located on the west side of SE 43rd Street, after SE 6th Ave and before SE 8th Ave in the Lake Forest Glen subdivision - right by the Lake Forest Elem. School. Sample approx .5m downstream from the double box culvert.

**Appendix I. Sample Site Descriptions for Gainesville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
LFCSE43US	Site is located on the west side of SE 43rd Street, after SE 6th Ave. and before SE 8th Ave. in the Lake Forest Glen subdivision. Sample approx 2 meter upstream from the double box culvert. Steam flow direction is east.	29.64568	-82.27267	9/16/2005	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Ave) to SE 43rd Street. Turn South onto SE 43rd Street. Site is located on the east side of SE 43rd Street, after SE 6th Ave and before SE 8th Ave in the Lake Forest Glen subdivision - right by the Lake Forest Elem. School.
LHAT26	Site is located on the north side of SR 26 before SR 26 intersects with SR 222 (39th Avenue). Approach site on foot, upstream of SR 26. Sample ~60m upstream of double box cement culvert (0.3 miles east of NE 27th Ave). Area is wetlands. Stream bottom contains snags and muck.	29.67963	-82.23443	10/13/04	WGS84	From University Avenue (SR 26) at Main Street (SR 329), head East on University Avenue (SR 26) for approx 6.35 miles. Site is located on the north side of SR 26 before SR 26 intersects with SR 222 (39th Avenue). Approach site on foot, upstream of SR 26. Sample ~60m upstream of double box cement culvert (0.3 miles east of NE 27th Ave).
LHAT26E	Site is on the east branch of Little Hatchet Creek on SR 26, on the north side of the road (approx .11 mi. north from road) by triple box cement culvert underneath SR 26. Cypress dome and hardwood wetlands with vegetation. Stream bottom is silty with organic matter. Flow is south.	29.68805	-82.22063	10/13/04	WGS84	From University Avenue (SR 26) at Main Street (SR 329), head East on University Avenue (SR 26) to .25 miles east of SR 26 and SR 222 (NW 39th Ave) intersection. Site is on the east branch of Little Hatchet Creek on SR 26, on the north side of the road (approx .11 mi. north from road) by triple box cement culvert underneath SR 26.
LHATARBOR	Site is located on Little Hatchet Creek and is accessed through the City of Gainesville's nursery on Waldo Road. The site is north of a fenced off retention pond. The banks are highly eroded and the site is channelized.	NM	NM	N/A	N/A	From University Avenue (SR26) and Waldo Road (SR24) proceed northeast on Waldo Road. North of NE39th Ave go west (right) onto the dirt road that accesses the City of Gainesville nursery. There is a gate and it is normally locked.
LHATNB	Site is on the north branch of Hatchet Creek, east of the airport (Airport Industrial Park), on the north side of the road approx 5m downstream of 2 corrugated steel pipes under dirt road in Airport Industrial Park, past skeet and archery range. Banks are shallow and sandy - steeper further down. Stream bottom is soft, shifting sands. Water is tannic.	29.69322	-82.26565	10/13/04	WGS84	From University Ave (SR 26) and Main Street (SR 329), head East on SR 26 (University Ave) to Waldo Road (SR 24). Turn North onto SR 24 (Waldo Road) and proceed to NE 49th Avenue. Turn East onto NE 49th Avenue. Then turn South (right) onto NE 52nd Drive. Drive on NE 52nd Drive for approx .85 miles. Site is on the north branch of Hatchet Creek, east of the airport (Airport Industrial Park), on the north side of the road approx 5m downstream of 2 corrugated steel pipes under dirt road in Airport Industrial Park, past skeet and archery range.
LHATNE39	Site is located on Hatchet Creek, north of NE 39th Avenue near Ironwood Golf Course.	29.68855	-82.29658	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), head North on Main Street (SR 329) to NW 39th Avenue (SR 222). Turn East onto NW 39th Avenue (SR 222) and travel for approx 1.35 miles. THERE IS A LITTLE ROAD HERE, BUT IS NOT LABELED ON GIS. Site is located on Hatchet Creek, north of NE 39th Avenue near Ironwood Golf Course.
LHATWALDO	Approx 1.06 miles north of the intersection of Waldo Road (SR 24) and NW 39th Ave (SR 222). Site is located east of Waldo Road (SR 24) on Hatchet Creek, before it intersects with NE 49th Ave. Sample 1m downstream of culvert. Banks are undercut and vegetated. Stream bottom is shifting sand.	29.69827	-82.27998	10/13/04	WGS84	From University Ave (SR 26) and Main Street (SR 329), head East on SR 26 (University Ave) to Waldo Road (SR 24). Turn North onto SR 24 (Waldo Road) and drive to approx 1.06 miles north of the intersection with NW 39th Ave (SR 222). Site is located east of Waldo Road (SR 24) on Hatchet Creek, before it intersects with NE 49th Ave. Sample 1m downstream of culvert.
MAININF	Raw influent to the Gainesville Regional Utility Main Street Wastewater Treatment Plant.	NM	NM	N/A	N/A	From University Ave (SR 26) and Main Street (SR 329), head south on Main St. Turn east (left) on SW 16th Ave. The plant is located on the north side of SW 16th Ave. The plant is locked and can only be accessed with permission by GRU staff.
MHSW2NDAVE	This site is a stormwater manhole in the middle of SW2nd Ave just North of Median for turning into Shands AGH lot #4.	29.65024	-82.33404	4/27/06	WGS84	From University Avenue (SR 26) and US 441 (13th Street) turn south onto SW 13th Street (US 441) then turn east on SW 2nd Ave. Sample site is in the 900 block.
POSNW16	On NW 16th Avenue, west of NW 27th Terrace; sample south of NW 16th Avenue. Site is 31.4m downstream of single box cement culvert (actually a triple box, water only flows through one). Banks are about 1.5m high with fallen leaves, moss and grass. Stream width is 4.75m. Stream bottom has firm sand with thin layer of decaying organic matter. Flow is south.	29.66662	-82.36423	7/20/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed west on SR 26 (University Ave) to NW 34th Street and turn north onto NW 34th Street (SR 121) to NW 16th Avenue. Turn east onto NW 16th Avenue and proceed for approx .5 miles to Possum Creek. On NW 16th Avenue, west of NW 27th Terrace; sample south of NW 16th Avenue. Site is 31.4m downstream of single box cement culvert (actually a triple box, water only flows through one).
POSNW34	West of NW 34th Street. Sample approx 40m upstream from culvert.	29.67385	-82.37269	9/16/2005	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121) to Possum Creek. Site is North of NW 21st Avenue but South of NW 23rd Avenue. Site is west of NW 34th Street. Sample approx 40m upstream from culvert.

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
POSNW34DS	East of NW 34th Street. Sample approx 10m downstream from culvert.	29.67355	-82.37197	10/12/2004	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121) to Possum Creek. Site is North of NW 21st Avenue but South of NW 23rd Avenue. Site is approx 0.02 miles East of NW 34th Street. Sample approx 10m downstream from culvert.
POSNW36DR	This site is upstream of NW36thDr. The banks are forested and the stream bottom is sand.	29.67780	-82.37696	8/13/07	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North. Turn west (left) into Rock Creek neighborhood on NW 30th BLVD. Turn south (left) onto NW36th Dr. This crosses the creek. Sample upstream .
POSNW39	Upstream of NW 39th Avenue (SR 222); cul-de-sac with mailboxes.	29.68884	-82.38116	7/14/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121) to NW 39th Avenue (SR 222). Turn West onto NW 39th Avenue (SR 222) and travel for approx .5 miles to Possum Creek. Site is in between NW 37th Terrace and NW 38th Street on Possum Creek. Upstream of NW 39th Avenue; cul-de-sac with mailboxes.
POSNW53	South of NW 53rd Avenue (Possum Creek Park). Sample 10m downstream of the first culvert crossing NW 53rd Ave. Banks are vegetated and not steep. Stream bottom contains rocks and pebbles; OM in pools.	29.70330	-82.38165	10/12/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121) to NW 53rd Avenue. Turn West onto NW 53rd Avenue and travel approx 1.08 miles to Possum Creek Park. Sample 10m downstream of the first culvert crossing NW 53rd Ave. on the South branch of Possum Creek. South of NW 53rd Avenue.
POSNW53E	On NW 53rd Avenue, first pedestrian bridge west of NW 34th Street. Sample on north side of road at end of pavement. Banks are very steep and vegetated - disturbed vegetation. Stream bottom is soft shifting sands.	29.70352	-82.36898	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121) to NW 53rd Avenue. Turn West onto NW 53rd Avenue and travel approx 1.08 miles to Possum Creek Park. On NW 53rd Avenue, first pedestrian bridge west of NW 34th Street. Sample on north side of road at end of pavement.
POSNW8	North of NW 8th Avenue. Sample approx 10m upstream of culvert. Banks are wooded and steep on the street side. Stream bottom is concrete. Stream flow direction is south.	29.65968	-82.36870	10/12/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel approx 2.66 miles to Possum Creek. Sample site is North of NW 8th Avenue before you get to NW 34th Street. Sample approx 10m upstream of culvert.
POSPARK	YMCA 5201 NW 34th Street; SE corner of fenced retention pond. Site is located upstream of pedestrian bridge and downstream of confluence with ditch from soccer field. Sample on Possum Creek at trail crossing Possum Creek, on the south side of Possum Creek Park.	29.69924	-82.36568	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Ave) to NW 34th Street and turn North onto NW 34th Street (SR 121). Park at YMCA at 5201 NW 34th Street. Site is near SE corner of fenced retention pond; sample upstream of pedestrian bridge and downstream of confluence with ditch from soccer field.
POSRIDGE	Ridgewood subdivision south of NW 16th Avenue. Site is located on northeast corner at sugarberry tree on Chris Bird's property at 1401 NW 28th Street. Bank is vertical, ~ 1m, slight vegetation, some undercutting, very soft sand on bottom. Flow direction is south.	29.66488	-82.36423	10/12/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel approx 2.47 miles. Turn South into Ridgewood subdivision and turn East on NW 15th Place. Follow it South to NW 28th Street. Park and walk approx .04 miles due East to Possum Creek. Site is located on northeast corner at sugarberry tree on Chris Bird's property at 1401 NW 28th Street.
RATGSHUT	Girl Scouts Gateway Council 810 NW 8th Street; sample downstream of culvert behind Girl Scout Hut. Herbaceous vegetation in-stream; sand bottom with concrete rubble; south bank ~1.5 m concrete; north bank ~1 m buffer.	29.65985	-82.33349	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel approx .5 miles and turn North onto NW 8th Street. Park at Gateway Girl Scout Council at 810 NW 8th Street. Sample at Rattlesnake Branch downstream of culvert behind Girl Scout Hut.
RATNW12	At intersection of NW 8th Avenue and NW 12th Street; sample at NE corner of the intersection.	29.65946	-82.33705	7/19/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel for .7 miles to NW 12th Street. Turn north on NW 12th Street. Sample at NE corner.
RATNW8	The banks are steep here and the channel is narrow. Sample approx 50 meters downstream of the NW8th Ave culvert.	29.65908	-82.34038	8/13/07	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel under the NW13th St (441) bridge and then pull off to the south of the road. The creek is to the south of the road. Sample upstream of the culvert at NW8th Ave.
RATUSHOG	Sample downstream of wooden pedestrian bridge on foot trail, between NW 22nd Street and NW 18th Street. Herbaceous steep banks (~3 m); some undercut banks; exposed Hawthorn Group; shifting sand bottom with some pebbles.	29.66337	-82.35206	7/15/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 8th Avenue. Turn West on NW 8th Avenue and travel for 1.75 miles to NW 22nd Street. Turn North onto NW 22nd Street. Take foot trail on east side of street. Sample downstream of wooden pedestrian bridge on foot trail, between NW 22nd Street and NW 18th Street

**Appendix I. Sample Site Descriptions for Gainesville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
ROSESE2	Rosewood Branch downstream of SE 2nd Avenue. Sample site is located on the Rosewood Branch downstream of SE 2nd Avenue (east of Waldo Road); approx 25m downstream of culvert. Banks are steep, undercut, and vegetated. Stream bottom is shifting sand with some concrete chunks.	29.65003	-82.30961	7/14/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road and turn South onto SR 331 to SE 2nd Avenue. Turn East (left) on SE 2nd Avenue. Sample site is located on the Rosewood Branch downstream of SE 2nd Avenue (east of Waldo Road); approx 25m downstream of culvert.
ROSESE7	Site is forested with houses nearby. Lots of trash. The streambank is sand with rocks and rubble.	29.64590	-82.31270	4/25/06	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road and turn South onto SR 331 to SE 7th Avenue. Turn West (right) onto SE 7th Avenue. Pull off where the road goes over the creek (approx 1/4 of a mile from Williston Road). Sample upstream (north of road).
ROSESE9	Rosewood Branch upstream of SE 9th Street and SWB confluence. Site is located on Rosewood Branch upstream of SE 9th Street and SWB confluence; approx 30m upstream of culvert. Stream bottom is shifting sand.	29.64292	-82.31505	7/14/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road and turn South onto SR 331 to SE 9th Avenue. Turn West (right) onto SE 9th Avenue. Then turn South (left) onto SE 9th Street. Site is located on Rosewood Branch upstream of SE 9th Street and SWB confluence; approx 30m upstream of culvert.
ROSEUNIV	Upstream of University Avenue. Sample on Rosewood Branch - just north of University Ave (SR 26).	29.65216	-82.30943	7/14/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Avenue) to SW 34th Street (SR 121). Turn South (left) onto SW 34th Street (SR 121). Sample on Rosewood Branch - just north of University Ave (SR 26).
SPSTNW13	Site is to the West of NW 13th Street	29.68556	-82.33923	11/8/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed West on SR 26 (University Avenue) to NW 6th Street (SR 20). Turn North (right) on NW 6th Street (SR 20). Site is to the West of NW 6th Street between NW 36th Avenue and NW 37th Avenue. Site is on Springstead Creek.
SPSTUSHTC	Upstream of confluence with Hogtown Creek; behind Mike Shea Photography. Banks are steep and vegetated with some erosion and undercutting. Forested area. Stream bottom is shifting sand with some smothering. Leaf packs, litter, and organic debris are present. Flow direction is south.	29.68476	-82.34124	7/15/05	NAD83	From University Avenue (SR 26) and NW 13th Street (US 441), turn North onto NW 13th St (US 441) for approx 2.2 miles to NW 36th Place. Turn West (left) onto NW 36th Place. Park at end of street and walk to creek. Upstream of confluence with Hogtown Creek; behind Mike Shea Photography.
SWB331	Upstream of SR 331 (Williston Road) at double box cement culvert with trash screen and water lines. Site is approx 7m from culvert. Banks are steep, eroded, undercut with some aquatic vegetation. Stream bottom is soft, shifting sands. Flow is south.	29.63040	-82.32242	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road (SR 331) and turn South onto Williston Road (SR 331). Travel approx 1.8 miles to SWB. Site is located West of Williston Road between SE 1st Way and SW 16th Avenue Extension. Upstream of SR 331 (Williston Road) at double box cement culvert with trash screen and water lines.
SWBALACH	Upstream (at culvert) of the confluence of SWB and Alachua Lake. Sample 4m upstream of dyke / culvert. Dyke is overgrown. Banks are mowed grass, and stream bottom cannot be seen. Stream flow direction is east.	29.60319	-82.30272	3/12/03	WGS94	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) and turn South on SE 15th Street (CR 2043). When CR 2043 turns east, Payne's Prairie State Preserve is south. Alachua Sink and associated water bodies are south of FDEP Recreation and Parks Division, District 2 Headquarters; contact (352) 955-2135 for access. Sample 4m upstream of dyke / culvert. Dyke is overgrown.
SWBDPWeir	Concrete weir at the Duck Pond (concrete lined pond with sedimentation trap). North of NE 5th Avenue and between East and West branches of NE Boulevard; sample downstream of Duck Pond at weir.	29.65605	-82.31961	7/19/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on University Avenue (SR 26) to East Boulevard. Turn North onto East Boulevard for approx .3 miles to just past NE 5th Avenue. Site is located East of East Boulevard on Sweetwater Branch. North of NE 5th Avenue and between East and West branches of NE Boulevard; sample downstream of Duck Pond at weir.
SWBLF	Downstream of this site was stabilized by Gabion mattresses in 2005. The stream bed is shifting sand. The banks are eroded and there is some understory and overstory vegetation.	29.63571	-82.32257	8/13/07	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed north on Main Street (SR 329) and then east on NE 13th Lane. This will dead end at the City of Gainesville's old landfill. You need a GRU System key to access. Keep going straight and then bear left toward the powerline crossing. Sample upstream of the crossing (where the pump around was during the restoration of this area).
SWBNE10	Concrete single box culvert east of Main Street (SR 329) beneath NE 10th Avenue. Bank is constructed (concrete), vegetation on south side. Stream bottom is sand and gravel with vegetation. Stream flow is east.	29.66107	-82.32348	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NE 10th Avenue. Turn East onto NE 10th Avenue. Sample site is on the South side of the road (before NE 10th Avenue turns into East Boulevard); concrete single box culvert east of Main Street (SR 329) beneath NE 10th Avenue. NOTE: This site is not on SWB.
SWBNE6	Newly restored section of creek; limerock and chert boulders line banks. North of NE 6th Avenue and between East and West branches of NE Boulevard; sample upstream of culvert at NE 6th Avenue.	29.65697	-82.31973	7/19/05	WGS94	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NE 6th Avenue. Turn East onto NE 6th Avenue. Site is North of NE 6th Avenue and between East and West branches of NE Boulevard; sample upstream of culvert at NE 6th Avenue.

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
SWBNE8	Upstream of NE 8th Ave culvert.	29.65922	-82.32131	11/28/2005	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NE 8th Avenue. Turn East onto NE 8th Avenue. Site is North of NE 8th Avenue.
SWBNPP	East of SW 16th Avenue and Williston Road; at wooden bridge.	29.62482	-82.31960	7/20/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road (SR 331) and turn South onto Williston Road (SR 331). Site is accessible only on foot - park at intersection of SW 16th Avenue and Williston Road. Walk East .44 miles along the creek from intersection of SW 16th Avenue and Williston Road. Site is East of SW 16th Avenue and Williston Road; at wooden bridge.
SWBNW16	Channelized section south of NW 16th Avenue. Sample approx 40m from culvert on south side of NW 16th Ave. Stream is channelized. Banks are steep with vegetation and grass. Stream bottom is fine silt and sand with lots of organic material. Stream flow (when flowing) is south.	29.66647	-82.32578	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed North on Main Street (SR 329) to NW 16th Avenue. Turn West onto NW 16th Avenue and travel approx .08 miles and park (site is located between N. Main Street (SR 329) and NW 2nd Street). Site is to the South of NW 16th Avenue on SWB. Channelized section south of NW 16th Avenue. Sample approx 40m from culvert on south side of NW 16th Ave.
SWBSE1	Behind Library and Post Office at SE 1st Avenue; east of SE 3rd Street; in Sweetwater Park at Union Promenade beneath pedestrian bridge; sample upstream of concrete single box culvert. Some sand bags on bank and bottom, undercut; abundant exotic vegetation. Stream bottom is sand, gravel, vegetation. Staff gage for relative water levels only. Flow direction is south.	29.65118	-82.32059	7/19/05	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on University Avenue to SE 3rd Street. Turn South onto SE 3rd Street, then turn East onto SE 1st Avenue. Behind Library and Post Office at SE 1st Avenue; east of SE 3rd Street; in Sweetwater Park at Union Promenade beneath pedestrian bridge; sample upstream of single concrete box culvert.
SWBSE2	Behind Post Office at SE 2nd Avenue. Sample 6m upstream of single box culvert with baffle box. Banks are vegetated (macrophytes). Stream bottom is sandy with rocks. Flow is south.	29.64967	-82.32027	11/8/05	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on University Avenue to SE 3rd Street. Turn South onto SE 3rd Street, then turn East onto SE 1st Avenue. Behind Post Office at SE 1st Avenue; east of SE 3rd Street; Behind Post Office at SE 2nd Avenue just downstream from SWBSE1 station. Sample 6m upstream of single box culvert with baffle box.
SWBSE4	Site is upstream of SE4th St (South of the FSB). There is a homeless camp upstream. N Banks are ~3m high and wooded. Stream bottom is soft sand. Flow direction is WSW.	29.63805	-82.31809	10/13/04	WGS84	From University Avenue (SR 26) and Main Street (SR 329), proceed East on University Avenue to SE 3rd Street. Turn south on SE 3rd Street. Go East at the stop sign at Depot Ave, then bear right (south). Pass the Fire Rescue building and proceed until you go over Sweetwater Baranch. Park on the west side of the road.
SWBSE8ST	This site is channelized. There is herbaceous vegetation. The streambed is shifting sand.	29.64374	-82.31653	8/13/07	NAD83	From University Avenue (SR 26) and Main Street (SR 329), proceed East on SR 26 (University Avenue) to Williston Road and turn South onto SR 331 to SE 7th Avenue. Turn West (right) onto SE 7th Avenue. Turn South on SE 8th St. Sample approximately 20 meters upstream of where the street crosses the creek.
TUMAGH	This site is located in the basement of Shands at AGH. It is seepage and springwater that collects in a sump and is then pumped to GRU's wastewater collections infrastructure.	NM	NM	N/A	N/A	From University Avenue (SR 26) and Main Street (SR 329) proceed south on Main Street. Go west (left) on SW 2nd Avenue. Shands at AGH is located on the south side of SW2nd Avenue in the 900 block.
TUM441	Site is located west of SW 13th Street on Tumblin Creek between SW 18th Place and SW 21st Avenue. Approx 1m downstream of structure (concrete channel). Water flows through concrete channel, flowing into dredged channel with sandbars. Stream bottom is soft sand - shifting. Sand is accumulating in the concrete channel.	29.63317	-82.34058	12/14/04	WGS84	From University Avenue (SR 26) and US 441 (13th Street) turn South onto SW 13th Street (US 441) past Archer Road (SR 24). Site is located west of SW 13th Street on Tumblin Creek between SW 18th Place and SW 21st Avenue. Approx 1m downstream of structure (concrete channel end - not the triple box culvert [ and not the pedestrian bridge either]).
TUM72DS	72 inch stormpipe servicing the University/13th st area. This comes in south of the stormwater park. Sample in the pool where the pipe discharges.	29.64559	-82.33274	8/13/07	NAD83	From University Avenue (SR 26) and US 441 (13th Street) turn South onto SW 13th Street (US 441). Turn East onto SW 5th Avenue. Turn South on SW7th Terrace. Park where it dead ends and follow path south. Sample in the pool where the pipe discharges.
TUMPORTERS	This site is the stormwater pipe coming in from the east just south of Depot Road.	29.64423	-82.33176	4/27/06	WGS84	From University Avenue (SR 26) and US 441 (13th Street) go east on University Ave. Go south on SW6th St until you reach Depot Ave. Pull up onto the sidewalk on the south side of Depot. The site is north of the apartments and south of Depot Ave.
TUMSW1	This site is a stormpipe in the overflow structure for the stormwater pond south of SW 1st Ave and the old Bell South building. This site is the pipe coming in from the North at MHSW2NDAVE.	29.65085	-82.33401	4/27/06	WGS84	From University Avenue (SR 26) and US 441 (13th Street) turn south onto SW 13th Street (US 441) then turn east on SW 2nd Ave. Turn North into the parking lot before the 900 building.

**Appendix I. Sample Site Descriptions for Gaineville Urban Creek Fecal Coliform, Fluorescent Whitening Agents, and Microbial Source Tracking Monitoring, 2001 through 2007**

Station ID	Station Description	Latitude	Longitude	Lat/Long Measurement Date	Datum	Travel Directions
TUMSW11	Steep eroding banks. Streambed rocky with rubble.	29.63952	-82.33636	8/13/07	NAD83	From University Avenue (SR 26) and US 441 (13th Street) go south on 13th Street. Go east on SW 11th Ave. At the stop sign go south on SW 11th St. Pull off at the GRU access right away before you approach PK Yonge school. The creek is behind the houses.
TUMSW5	South of SW 5th Avenue. Sample ~ 60m downstream of structure (single pipe culvert beneath SW 4th Avenue). Banks are steep and vegetated with some undercutting. Stream bottom has soft sand, rip rap, trash and debris. Flow is southeast.	29.64705	-82.33366	12/14/04	WGS84	From University Avenue (SR 26) and US 441 (13th Street) turn South onto SW 13th Street (US 441). Turn East onto SW 5th Avenue. Site is located south of SW 5th Avenue and is between SW 10th Street and SW 8th Street. Sample ~60m downstream of structure (single pipe culvert beneath SW 4th Avenue).
TUMSW9	From Depot Road, turn south on SW 9th Street; between Tumblin Creek Apartments and Tumblin Creek II Apartments; sample upstream of SW 9th Street. Steep banks, deeply incised, erosion from high stormwater flows, exposed Hawthorn Group; sand bottom with some clays.	29.64182	-82.33302	7/19/05	WGS84	From University Avenue (SR 26) and US 441 (13th Street) turn South onto SW 13th Street (US 441) to SW 9th Road. Turn East onto SW 9th Road. Turn South onto SW 9th Street. Site is located between Tumblin Creek Apartments and Tumblin Creek II Apartments; sample upstream of SW 9th Street.

NM = Not Measured; N/A = Not Applicable

At least one fecal coliform sample was collected from the following sites, but they are not routine sites and are not listed in the above list: ETUMMAIN, HATWALDON, HCRETENTION, HCWETLAND, HOGGHSN16, HOGGHSNDOWN, HOGGHNUP, HOGNW30, HOGNW39, LHATNE49, POSNW45, PP441, PPCAMP, RATNW18, RATNW22, RATT8&13, RATT@13, RATT@8, SWBNE16, SWBNE4, SWBNE7, SWBNEBLVD, SWBNW14, TUM48DI