

From: [Ruth, Amy C.](#)
To: [Bratcher, Mike, EMNRD](#)
Subject: Bass Palmillo 03 SWD Estimated Excavation
Date: Wednesday, August 20, 2014 8:13:48 AM

Please call me at your convenience to discuss. Thank you!

Amy

Sent from my iPhone

Begin forwarded message:

From: "Ben J. Arguijo" <bjarguijo@basinenv.com<<mailto:bjarguijo@basinenv.com>>>
To: "Ruth, Amy C." <ACRuth@BassPet.Com<<mailto:ACRuth@BassPet.Com>>>, "Savoie, Tony A." <TASavoie@BassPet.Com<<mailto:TASavoie@BassPet.Com>>>
Subject: Bass 03 SWD Estimated Excavation

Tony/Amy,

Attached please find an aerial image depicting an estimation (marked in green) of the final extent of the excavation at the Bass 03 SWD. I have no data to confirm the horizontal extents to the south, east, and west, but I based my estimation on historical aerial imagery, previous data, and a simple watershed analysis I performed this afternoon. The southeastern border of the excavation may extend further along the road/ROW, as it looks like there may be some staining in that area. However, I have no way of knowing without collecting some samples for field-screens and/or lab analyses.

That said, the surface area of the area marked in green on the aerial (including where it overlaps the current excavation, marked in yellow) is just under 40,000 square feet. The main portion of the current excavation is approximately 11,000 square feet, leaving an area of approximately 29,000 square feet. Therefore, at an average depth of 2', a ballpark estimation of the remaining soil to be removed is 2,150 cubic yards (rounded up).

FYI, there are some datum shift and/or parallax issues, so my GPS data for the current excavation doesn't align perfectly on the aerial. However, it is as accurate as possible, I believe.

The locations of the historic storage tanks, containments, and/or pads are marked in gray. Again, these outlines may not be 100% accurate. There are definite parallax issues between the various historical aerial images, and the resolution of the images was not the greatest to begin with. Also, there is some warping of the storage tank polygons from importing into Google Earth from ArcGIS, so they appear elliptical. The outlines of the tanks on the final Sample Location Map will be circular.

Anyway, let me know if you have any questions.

Thanks.

Ben

Ben J. Arguijo
Project Manager
Basin Environmental
3100 Plains Hwy.
P.O. Box 301
Lovington, NM 88260
p:(575)396-2378 m:(806)549-9597

f:(575)396-1429

bjarguijo@basinenv.com<<mailto:bjarguijo@basinenv.com>><<mailto:bjarguijo@basinenv.com>>

[cid:5:1235:0]