TABLE W-1
SUMMARY OF HISTORICAL TOPOGRAPHY ASSESSMENT

Casmalia Site Area[1]	Map Source/Summary of Historic Topography						
	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
Capped Landfills	Apparently undisturbed, natural topography. Entire area drains through Central Drainage Area to S. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~500' where drainages cross S border to Central Drainage Area. Maximum elevation ~750' at NW corner of overall area. Entire area appears to drain to S and WSW into Central Drainage Area; topo appears to be generally the same as 1959 map.	Minimum elevation ~500' where drainages cross S border into Central Drainage Area. Maximum elevation ~745' at NW corner of overall area. Surface gradient trends to S and WSW through drainages into Central Drainage Area. Topo appears largely similar to the1974 map.	Minimum elevation ~500' on E side of Pond 19. Maximum elevation ~730' in NW corner of overall area. Surface gradient trends to S and WSW into Central Drainage Area; topo altered substantially (relative to 1979 topo) in W portion in area W of major N-S trending ridge; former N-S drainage now appears as filled or mounded area; apparent new pond encompasses area around SE corner of area (note: 1982 topo shows 2' contour interval in this area; 1979 topo shows 10' contour interval in this area). S & W trending drainages leading to Central Drainage Area appear to be modified or partially infilled compared to 1979 topo.	Minimum elevation ~500' on E side of Pond 19. Maximum elevation ~735' at NW corner of overall area. Surface gradient trends to S and WSW into Central Drainage Area; topo modified substantially from 1982 topo; multiple pads (~6) added and landfill development readily apparent throughout area (solvents/pesticides on W portion; heavy metal/sludge in central portion; caustic/cyanide in E portion; and acid in SE portion).	Minimum elevation ~500' on E side of Pond 19. Maximum elevation ~730' on NW corner of overall area. Surface gradient trends to center and S into Central Drainage Area; overall, topography between 1985 and 1987 is generally the same over most of the area; the Solvents/ Pesticides Landfill on the W portion of this area was modified between 1985 and 1987 and the elevations in the central portions of the Solvents/Pesticides Landfill are approximately 40' higher in 1987 than in 1985. W-central portion of Solvents/ Pesticides Landfill shown to include E-W trending waste disposal trench indicated as "Trench 7". Grades in Metals, Caustics and Acids landfills also raised relative to 1985 topo.	Minimum elevation ~510' along E side of former Pond 19. Maximum elevation ~748 at crest of capped P/S Landfill. Area surface gradient generally trends to center and S into Central Drainage Area. Surface gradient in far W portion now trends to SW relative to 1987 topo, draining W slope of P/S Landfill. Topography is altered substantially relative to 1987 topo. Elevations throughout area are higher (up to ~75' in some areas) relative to 1987 topo, and steep slopes have been built-out at base of all landfills in area. All previously apparent pads (10C, 10E, 10F, 10G) are no longer evident.

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Casmalia Site Area[1]	Map Source/Summary of Historic Topography						
	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
PCB Landfill	Apparently undisturbed, natural topography. Surface gradient trends to S. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~680' at S border. Maximum elevation ~785' at N border. Surface gradient trends to S; topo appears to be generally the same as 1959 Casmalia quad.	Minimum elevation ~678' along S border. Maximum elevation ~785' along N border. Surface gradient trends to S; topo appears same as 1974map.	Minimum elevation ~678' along S border. Maximum elevation ~785' at N border. Generally, surface gradient trends to S; Former rounded ridgeline apparent on 1979 map has been modified substantially throughout area since 1979, creating gently sloping benches in N and S halves. NE-SW trending linear trench in center of area has apparently been excavated to depths of up to 25 feet below the grades of the flanking benches.	Minimum elevation ~676' along S border. Maximum elevation ~785' along N border. Surface gradient trends to S; topo modified since 1982; grade more gently sloping and slopes around edges of area are more even and encompassing than in 1982 topo.	Minimum elevation ~680' along S border. Maximum elevation ~785' along N border. Surface gradient trends to S; 1987 topo similar to 1985.	Minimum elevation ~680' along S border. Maximum elevation ~785' along N border. Surface gradient trends in a southerly direction; topo is generally similar to 1987 topo, but topo is more gently sloping and uniform in S half of area in 1993.
RCRA Canyon Area	Apparently undisturbed, natural topography. Surface gradient trends to SSW. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~475' at downstream low point of drainage. Maximum elevation ~ 760" at N tip. Surface gradient trends to SSW; topo appears generally the same as 1959 map.	Minimum elevation ~475' at downstream low point of drainage. Maximum elevation ~760 at N tip. Surface gradient trends to SSW; topo appears same as 1974 map.	Minimum elevation ~470' at downstream low point of drainage. Maximum elevation ~754' at N tip. Surface gradient trends to SSW; topo appears the same as 1979 topo with exception of very S tip where terrain appears to be modified in relation to new pond located to the south.	Minimum elevation ~470' at downstream low point of drainage, at N end of Pond A-5. Maximum elevation ~750' at N tip of area. Surface gradient trends to SSW; topo along W and NE slopes substantially modified into gently sloping or level linear benches relative to 1982 topo. Two locations along canyon bottom widened and leveled relative to 1982 topo. Map annotations in canyon indicate "RCRA Solid Waste Landfill"	Minimum elevation ~470' at downstream low point of drainage, at N end of Pond A-5. Maximum elevation ~760' at N tip of area. Surface gradient trends to SSW; overall, topo similar to 1985 topo; modifications include apparent addition of catch basin (Pond 43, or WCCB) between 1985 and 1987, and designation of a "Waste Burial Area" at base on slope in head of canyon.	Minimum elevation ~460' at downstream low point of drainage, at N end of Pond A-5. Maximum elevation ~754' at N tip. Surface gradient trends to SSW; topo similar to 1987 map; topo along W edge appears to be modified only slightly relative to 1987 map; catch basin is no longer readily evident.

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SUMMARY OF HISTORICAL TOPOGRAPHY ASSESSMENT

Casmalia Site Area[1]	Map Source/Summary of Historic Topography						
	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
West Canyon Spray Area	Apparently undisturbed, natural topography. Surface gradient trends to SSW. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~475' along a W border. Maximum elevation ~710' along NE border. Surface gradient trends to WSW; topo appears similar to 1959 map.	Minimum elevation ~475' on W border. Maximum elevation ~710' at NE corner. Surface gradient trends WSW; topo appears similar to 1974 topo, although 1979 topo map is discontinuous in W. Canyon Spray Area (appears to be spliced from 2 sources).	Minimum elevation ~475' on W border. Maximum elevation ~710' on NE corner. Surface gradient trends WSW; topo appears similar to 1979 topo with exception of NE corner which appears flattened and benched.	Minimum elevation ~470' on W border. Maximum elevation ~710' on NE corner. Surface gradient trends to WSW; topography substantially modified throughout overall area relative to 1982 topo; Pad 18 added in S portion between 1982 and 1985; additionally a large graded area (flat) and 2 closed depressions created in central portion of area, just W of Liquid Treatment Area.	Minimum elevation ~470' on W border. Maximum elevation ~710' on NE corner. Surface gradient trends to WSW; topo generally similar to 1985 topo; grade was apparently steepened in the NE portion by local excavation of this area between 1985 and 1987.	Minimum elevation ~470' on W border. Maximum elevation ~710' on NE corner. Surface gradient trends to S; topo modified relative to 1987 topo; former Pad 18 in S portion no longer evident; grade throughout central and S portion made more uniformly sloping to S and SSW.
Burial Trench Area	Apparently undisturbed, natural topography. Surface gradient trends to south. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~610' at SE border. Maximum elevation ~690' at NW corner. Surface gradient trends to S; topo shows several features that indicate modification of topo in S half of area that are not evident on 1959 map.	Minimum elevation ~600' along S border (Pond #14). Maximum elevation ~690' at NW corner. Surface gradient trends to S; topo appears similar to 1974 map, but several new features are visible, including several closed depressions on N border, NE quadrant, and apparent modifications in SE quadrant.	Minimum elevation ~600' along S border. Maximum elevation ~670' at NW corner. Generally, surface gradient trends to the S; topo modified since 1979 map; closed depressions noted on 1979 map not apparent on 1982 map.	Minimum elevation ~600' along S border. Maximum elevation 700' at NW corner. Generally, surface gradient trends to S; topo similar to 1982 map, with exception of Pond 23 added in center of area; Pond 23 elevation ~644'.	Minimum elevation ~600' along S border. Maximum elevation ~700' at NW corner. Surface gradient trends to S; topo generally similar to 1985 map, but modifications are apparent between 1985 and 1987, especially in S and W portions where grade was leveled and lowered. Pond 23 is still apparent in central portion of this area. Numerous disposal trenches and wells are labeled on 1987 topo throughout this area.	Minimum elevation ~600' along S border. Maximum elevation ~700' at NW corner. Generally, surface gradient trends to S; topo modified relative to 1987 map; pond like feature in center of area is no longer apparent. Slopes in S part of area steepened considerably compared to 1987. Waste disposal trenches and wells are no longer designated.

TABLE W-1
SUMMARY OF HISTORICAL TOPOGRAPHY ASSESSMENT

Casmalia Site Area[1]	Map Source/Summary of Historic Topography						
	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
Central Drainage Area	Apparently undisturbed, natural topography. Surface gradient drains to center and then south through intermittent drainages that exit at middle of S border. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~450' where drainages exit S border. Maximum elevation ~630' at NW corner (N most portion of area). Drains to south through readily apparent drainages; topo appears generally the same as on 1959 map.	Minimum elevation ~450' where primary drainage crosses S border. Maximum elevation ~624' at N most corner. Surface gradient trends towards center and to S; topo appears similar to 1974 map, except now Ponds R, 7, and 6 are present near W and S borders of overall area.	Minimum elevation ~470' along mid-portion of S border. Maximum elevation ~622' at N most corner. Surface gradient trends towards center and S; topo modified substantially since 1979 map, as former surface drainage is no longer evident, and has apparently bee infilled; 5-6 pond areas apparently added within former drainage course.	Minimum elevation ~475' along mid-portion of S border. Maximum elevation ~650' at N most corner. Surface gradient trends toward center and S; grade modified since 1982 map, including areas of new Pond 22, Pad 10A, and Pond R; previously graded, level areas visible in 1982 topo now clearly developed into Pad 9A, Pad 9b, Pond 6, and Pond 19 . The elevations at these latter features are approx. the same as in 1982.	Minimum elevation ~475' along S border. Maximum elevation ~650' at N most corner. Surface gradient trends toward center and S; topo and ponds/pads are essentially the same as 1985 map.	Minimum elevation ~448' along S boundary. Maximum elevation ~620' at N most corner. Surface gradient trends to center and south; topo modified substantially relative to 1987 map; all former pond and pad features are no longer evident; drainage feature is present again in center of area.
Liquid Treatment Area	Apparently undisturbed, natural topography. Surface gradient trends to S. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~560' at S border. Maximum elevation ~610' along N border. Surface gradient trends to S and WSW; appears to border N extent of ponds area within the "Remaining On-site Area".	Minimum elevation ~558' atS border. Maximum elevation ~610' along N border. Surface gradient trends to S and SW; topo is modified in central area (impoundment labeled as "Pond 15") relative to 1974 map.	Minimum elevation ~570' at S border. Maximum elevation ~610 along N border. Surface gradient trends to S and SW; topo modified substantially since 1979; impoundment labeled as "Pond 15" no longer apparent in this location, but is indicated to now appear ~500' to S.; central portion of area appears to be flattened into 2 broad benches separated by WNW-ESE trending break in slope; average elevation in central area ~580'.	Minimum elevation ~570' along S border. Maximum elevation 600' along N border. Generally, surface gradient trends to S; terrain generally similar to 1982 topo; between 1982 and 1985 central area appears to have been graded for W.A.O. unit and adjoining tanks.	Minimum elevation ~570' along S border. Maximum elevation ~600' along N border. Generally, surface gradient trends to S; topo modified and flattened in N half of area between 1985 and 1987, apparently for C.N.S.	Minimum elevation ~570' along S border. Maximum elevation ~600' along N border. Generally, surface gradient trends to S; Grade leveled in northeast quadrant relative to 1987 map.

TABLE W-1
SUMMARY OF HISTORICAL TOPOGRAPHY ASSESSMENT

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	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
Maintenance Shed Area	Apparently undisturbed, natural topography. Surface gradient trends to S. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~570' on S border. Maximum elevation ~600' on N border. Surface gradient trends to SSE; apparently modified terrain is present to W and S.	Minimum elevation ~570' on S border. Maximum elevation 600' on N border. Surface gradient trends to SSE; topo appears modified in Shop area relative to 1974 map.	Minimum elevation ~570' on S border. Maximum elevation ~600' on N border. Surface gradient trends to SSE; topo appears to have been be leveled slightly in are south of Shop since 1979.	Minimum elevation ~570' along S border. Maximum elevation ~600' along N border. Surface gradient trends to SSE topo similar to 1982 map.	Minimum elevation ~570' along S border. Maximum elevation ~600' along N border. Surface gradient trends to SSE; topo appears essentially the same as 1985 map.	Minimum elevation ~570' along S border. Maximum 600' along N border. Surface gradient trends to SSE; topo generally the same as 1987 map.
Administration Building Area	Apparently undisturbed, natural topography. Relatively flat. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~450'. Maximum elevation ~450'. Relatively flat. Topo appears generally similar to 1959 (Note: Map quality is poor in this are of site)	Minimum elevation ~443' (water level) on W border at Pond 12. Maximum elevation ~466' on N border. Surface gradient appears to trend to W towards Pond 12; topo modified relative to 1974 map, including apparent addition of Pond 12 on W portion.	Minimum elevation ~448'(water level) on W border at Pond 12. Maximum elevation ~465' on N border. Surface gradient appears to trend gently to west towards pond 12; topo appears similar to 1979 map.	Minimum elevation ~450' at W border. Maximum elevation ~470' on N border. Surface gradient appears to trend gently to W towards Pond 12; topo appears similar to 1982 map.	Minimum elevation ~446 (water level) on W border at Pond 12. Maximum elevation ~470' on N border. Surface gradient trends slightly to W; topo essentially the same as 1985 map.	Minimum elevation ~455' at W border. Maximum elevation 465' on N border. Surface gradient trends to S and W; grade substantially modified in W portion relative to 1987 map, where area of former Pond 12 had apparently been infilled.

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Casmalia Site Area[1]	Map Source/Summary of Historic Topography						
	1959 USGS, Casmalia 7.5' Quadrangle Scale 1:24,000[2]	**1974 Mark Hurd Research, Casmalia Site Scale 1:4,800**	**1979 Penfield & Smith, Casmalia Site Scale 1:2,400**	**1982 Penfield & Smith, Casmalia Site, Scale 1:2,400**	**1985 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1987 Pacific Western Aerial Surveys, Casmalia Site, Scale 1:2,400**	**1993 EPA-Commissioned Topo, Casmalia Site Scale 1:1,200**
Roadways	NTU road depicted along S. site boundary along same general alignment as current. "Jeep trail" shown traversing NNW from central portion of NTU road, crossing through Remaining Onsite Areas, Burial Trench Area and PCB Landfill, exiting N. margin of site near highpoint.	Alignment of NTU road remains largely unchanged from 1959 map. N. portion of "Jeep road" still depicted as indicated in 1959. Additional roadways (both graded and unimproved, rough tracks) developed across site since 1959, including several traversing portions of Remaining Onsite Area, W. of major N-S. drainage exiting Central Drainage Area. Two ~N-S. graded roads exit NTU road, looping across Remaining Onsite Area and terminating in vicinity of Maintenance Shop Area. Several other unimproved tracks also depicted traversing portions of Remaining Onsite Area around ponds to S. of Liquid Treatment Area, and SW portion of site. No roadways or tracks noted in other areas of site.	Extensive roadway system developed since 1974 map. NTU road present along present alignment. Former "jeep trail" now appears as graded road. Graded roads now present along majority of N. and E. site perimeter. Roadways depicted encircling majority of ponds in Remaining Onsite Area. Additional roads now present in portion of the Central Drainage Area, several of which cross into Capped Landfills Area, connecting with N. & E. perimeter roads. Roads now extend into S. and W. portion of Liquid Treatment Area and SE margin of West canyon Spray Area between Liquid Treatment Area and former Pond 17. No roadways depicted in RCRA Canyon Area	NTU road present along current alignment and perimeter roadway system now present along majority of E., N. and W. site margins. Roadway system further expanded across site, principally in Remaining Onsite Area in association with development of new ponds, including A-series ponds in SW corner, and ponds 20, 5 and pad 8A in SE corner. Numerous rough tracks and some graded roads developed in Capped Landfill Area at landfill locations. Roadway system in Central Drainage Area expanded to accommodate pond development and access to landfill areas. Additional graded roads traversing Burial Trench Area and encircling PCB Landfill. Roadway now present along entire E. margin of West Canyon Spray Area. No roadways depicted in RCRA Canyon Area	Roadway system across majority of site largely similar to 1982, including NTU road and perimeter roads. Numerous new rough tracks and graded roads noted in association with development of new pads and continued landfilling activities in Capped Landfills Area, most notably around P/S Landfill and Heavy Metals Landfill. New graded road extends into central portion of W. Canyon Spray Area from Liquid Treatment and Burial Trench areas, and additional graded roads depicted traversing Burial Trench Area and PCB Landfill Area. New road depicted descending partway into NE corner of RCRA Canyon from near PCB Landfill.	Roadway system across site largely similar to 1985, including NTU road, perimeter roads and majority of roadways associated with pond/pad areas. Roadways in Capped Landfills Area apparently modified somewhat around individual landfills as disposal activities continued. Additional roadways apparently extended from N into central portion of West Canyon Spray Area. New road now extending N. from mouth of RCRA Canyon along E. side of drainage to vicinity of "Waste Burial Area", then turning E. and ascending steeply to N portion of West Canyon Spray Area near PCB Landfill.	Major modifications noted to roadway system throughout site. Most pronounced changes noted in Remaining Onsite Area where roads once surrounding former ponds have apparently been removed as result of pond closure activities conducted since 1987. NTU road and perimeter roads remain largely as depicted in 1987, as does major N-S road leading from NTU road up to Liquid Treatment Area across W. central portion of site. Numerous new roads developed across Capped Landfill Area, the completely regraded Central Drainage Area, W and NW of Administration Building Area and S. portion of West Canyon Spray Area. Roadway system apparently expanded across upper to mid slope elevations in N. portion of RCRA Canyon. Several remnants of prior roadway system are noted, including NNE trending remnant in Remaining Onsite Area extending between former Pond 2 and Maintenance Shop Area, several extending NNW across W. portion of Central Drainage Area, and one descending from Central Drainage Area to N shore of current RCF Pond along E. side of new drainage

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Remaining On-Site Area	Apparently undisturbed, natural topography. Generally, surface gradient trends to S. (Note: 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges impractical)	Minimum elevation ~400' in S limit or area. Maximum elevation ~825' at N tip of facility. Majority of area is between 400-600'; generally, surface gradient trends to south; ~6-7 apparent large ponds evident in the Remaining On-site Area to the south of the Liquids Treatment Area. Pond elevations appear to range from ~475' on S to 550-575' on N.	Minimum elevation ~394.5' (water level) at Pond 13 near the S limit of the area. Maximum elevation ~825' on N tip of overall facility boundary. Majority of area still between 400-600'; generally, surface gradient trends to S; topo appears to be substantially modified relative to 1974 topo, including addition of multiple ponds throughout central and S portions of Remaining On-site Area; pond elevations range from 394.5' (Pond 13) at S. limit of area to over 600' (Pond P) in north-central portion.	Minimum elevation 390.4' (water level) at Pond 13. Maximum elevation ~835' at N tip of facility. Majority of area still between 400-600'; generally, surface gradient trends to S; multiple ponds (~6) added in SW portion of area over drainage formerly exiting the SW corner of the site; plus several (~3) ponds added NNW of Administration Building Area – topography significantly modified in all areas where new ponds installed.	Minimum elevation 394.2'(water level) at Pond 13 at S tip of area. Maximum elevation 836' on N tip of overall property. Majority of area still between 400-600'; multiple ponds and pads are identified on the 1985 topo, although the areas for the majority of these appear to have already been graded in 1982; examples of new grading/ facilities between 1982 and 1985 include: Pad 1A on SW portion of area; Pond A-6 in the "A" Pond complex (also in SW portion of area); Pond 15 on E side of W. Cyn. Spray Area; and the addition of the "Sludges 2" area adjacent to the E facility boundary. Designated "Truck Storage" area indicated just outside SW facility boundary.	Minimum elevation 392.5' (water level) at Pond 13 at S tip of area. Maximum elevation ~836' on N tip of overall property. Majority of area still between 400-600', overall, topo ponds and pads are similar between 1985 and 1987 topos for this area.	Minimum elevation 374.7' (water level) in Pond 13 at S limit of the area. Maximum elevation ~835' on N tip of overall facility boundary. Overall, surface gradient trends to S; majority of topo still between 400-600'; topo modified substantially relative to 1987 topo; individual pond and pad feature topography no longer evident throughout the majority of area; pond features in S-central and SW portion have either merged into currently existing surface water runoff ponds (A-series pond and RCF) or are no longer evident; Pad 1A no longer evident. Area has been largely graded to allow drainage into existing surface water runoff control ponds. Previous Pond A-5, Pond 13 and Pond 18 are still evident.

1 Refer to Figure 3-24 in RI/FS Work Plan for conceptual study area locations.

2 The 1959, USGS Casmalia 7.5' Quad was enlarged from 1:24,000 (1"=2000') to 1:6,000 (1"=500') to facilitate topographic interpretation. 40' contour interval combined with lack of readily apparent site features makes accurate determination of elevation ranges in various conceptual study areas impractical.

Abbreviations (including combinations, thereof):

- N = north; E = east; S = south; W = west
- NW = northwest; NE = northeast; SW = southwest; SE = southeast.