

APPENDIX B

WETLAND AND NOXIOUS WEED DATA

**Table B-1
Important Water Features Located Along the Proposed PSC CO₂ Pipeline**

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 21.2, 107 49.4	1 (113.04- 113.11)	Isolated Wetland	Fremont	28N 92W NE ¼, SW ¼, S 33	Crook's Peak	PSS1C/PEMCb (PABGb, PEMC, PSSC)	1987 COE Delineation Manual (7/6/00)	350 (in addition, approximately 600 feet are paralleled within normal high water mark)	0	0.6	Willow, rushes, grasses	Ground- checked 7/6/00. Move line to follow existing ROW
42 21.333, 107 49.122	113.35	Tributary to Crooks Creek; beaver ponds	Fremont	28N 92 W NW ¼, SE ¼, S 33	Crook's Peak	PSS1b (PSSC)	1990 NWI map review: July 2000 aerial reconnaissance identified beaver ponds in area	~450	0	0.74	Willow	Passes thru beaver pond area. Move ~300' North to avoid
42 22.768, 107 47.278	116.25	Sheep Creek	Fremont	28N 92W SE ¼, SW ¼, S 23	Jeffrey City	R3US1 (No NWI designation/ OWUS)	1990 NWI map review: July 2000 aerial reconnaissance ~750' to SE identified area as R3US1	0	2 - open water 10 - top of bank	0.02	Cottonwood, willow, grasses	Riparian
42 22.850, 107 47.184	116.30	Unnamed tributary to Sheep Creek	Fremont	28N 92W SE ¼, SW ¼, S 23	Jeffrey City	R3US1 (No NWI designation/ OWUS)	1990 NWI map review: July 2000 aerial reconnaissance ~200' to east identified area as R3US1	0	2- open water 10 - top of bank	0.02	Cottonwood, willow, grasses	Riparian
42 23.36, 107 46.59; riparian and WUS: no wetland areas	116.95	Unnamed tributary NE of Sheep Creek	Fremont	28N 92W NE ¼, NE ¼, S 23	Jeffrey City	R4SBA (No NWI designation/ OWUS)	July 2000 aerial reconnaissance	0	10	0.02	Pine, cottonwood, sagebrush	Poor quality riparian

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 23.928, 107 44.750	3 (118.6- 118.8)	West Cottonwood Creek	Fremont	28N 91W NW ¼, SW ¼, S 18	Split Rock NW	R4SBA/PSSA (PSSA)	1990 NWI map review: July 2000 aerial reconnaissance ~500' to south identified area as R4SBA/PSSA	0	500 (parallels drainage)	0.0	Willow	Move ROW 100' to North
42 23.975, 107 44.546	118.9	West Cottonwood Creek	Fremont	28N 91 W SW ¼, NE ¼, S 18	Split Rock NW	(PEMC)	1990 NWI map review	0	10	0.02	Not available	
42 23.986, 107 43.864	5 (119.38)	West Cottonwood Creek	Fremont	28N 91W SW ¼, NW ¼,S 17	Split Rock NW	PSS1C/R3UB (PSSA)	July 2000 aerial reconnaissance	10	50 (2 feet of open water, 2 channels – 10 and 20 feet each)	0.10	Cottonwood, willow, Baltic rush	Jurisdictional WUS, riparian
42 24.677, 107 42.236	7 (121.03)	Middle Cottonwood Creek	Fremont	28N 91W NW ¼, SE ¼, S 9	Split Rock NW	PSSA/R4SBC (PSSA)	1987 COE delineation manual (7/6/00)	15	20 (includes 5 feet of open water)	0.06	Willow, cottonwood, Baltic rush, sedges, grasses, mint	Ground- checked 7/6/00, riparian and wetland
WUS; no riparian or wetland areas	8 (121.21)	Middle Cottonwood Creek	Fremont	28N 91W NE ¼, SE ¼, S 9	Split Rock NW	R4SBA (PSSA)	1990 NWI map review; 1987 COE manual delineation (7/6/00) ~300' to south identified area as R4SBA	0	500 (parallels drainage)	0.0	Sagebrush, grasses, cottonwood	Poor quality riparian move ~ 200- 300' to south avoid paralleling drainage
42 26.358, 107 39.167; Riparian and WUS; no wetland areas	8B (124.28)	East Cottonwood	Natrona	29N 90W SW ¼, SW ¼, S 31	Split Rock NW	R4SBC (PSSA)	1990 NWI map review. During July 2000 aerial reconnaissance, area ~500' to south of crossing was identified as R4SBC	0	50	0.09	Cottonwoods, grasses	Not wet; riparian

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre)'	Dominant Plants	Comments
42 28.805, 107 28.703	11 (134.25)	Sweetwater River	Natrona	29N 89W SE ¼, SW ¼, S 15	Bucklin Reservoir	R2UBH (R2UBH)	1987 COE Delineation Manual (7/6/00)	20 (10 feet each side of river)	~100 (includes 80 feet open water)	0.21	Sedges, spikerush, reed canarygrass, prairie cordgrass, mint	
42 37.731, 107 14.797	150.1	Dry Creek	Natrona	31N 87W NW ¼, SW ¼, S 27	Saddle Rock	(PUBFx)	1991 NWI map review	0	0 (~50' in non- jurisdictional stock pond)	0 (0.09 acre of disturbance in non- jurisdictional stock pond)	Not available	Move line ~50' to north or south to avoid pond
42 37.738, 107 14.778	15 (150.10)	Dry Creek	Natrona	31N 87W NW ¼, SW ¼, S 27	Saddle Rock	PEMC (PEMC)	1991 NWI map review; 1987 COE manual delineation (7/7/00) ~400' to north	4	2 - open water	0.01	Leafy spurge, plantain, yellow vetch, brome species	
42 37.850, 107 14.598	18 (150.28)	Irrigation ditch draining into Dry Creek	Natrona	31N 87W SW ¼, NW ¼, S 27	Saddle Rock	Irrigation ditch (PEMC)	1991 NWI map review; irrigation ditch identified ~300' to north during 7/7/00 ground survey	0	0 (8' non- jurisdictional irrigation ditch)	0 (0.01 acre of non- jurisdictional irrigation ditch)	Grasses	Irrigation ditch; non- jurisdictional WUS
42 39.232, 107 12.677	152.8	Unnamed trib. to Cottonwood Creek	Natrona	31N 87W NW ¼, NE ¼, S 23, SE ¼, SE ¼, S 14	Saddle Rock	R4SBA (No NWI designation/ OWUS)	1991 NWI map review; area ~500' to east was identified as R4SBA during July 2000 aerial reconnaissance	0	0 (Parallels drainage for ~800')	0.0 (parallels drainage for 800')	Upland vegetation	Move ROW ~50-100' to east or west to avoid paralleling drainage
42 42.015, 107 07.605	157.9	Trib. To Horse Creek	Natrona	32N 86W NW ¼, SW ¼, S 34	Saddle Rock	PEMC (No NWI designation)	July 2000 aerial reconnaissance	80	0	0.14	Willow, sedges	

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 42.028, 107 07.558	19 (157.98- 158.00)	Trib. to Horse Creek	Natrona	32N 86W SW ¼, NW ¼, S ¾	Saddle Rock	R4SB/PEM (R4SBA)	July 2000 aerial reconnaissance	15	5	0.03	Willow, grasses, currents, sedges	
42 46.065, 107 07.478	158.01	Isolated spring	Natrona	32N 86W NW ¼, SW ¼, S ¾, NE ¼, SW ¼, S ¾	Saddle Rock	PEM1B (No NWI designation)	July 2000 aerial reconnaissance	50 x 100	0	0.11	Sedges and rushes, grasses	Spring associated with Horse Creek
42 42.292, 107 06.975	158.3	Trib. to Horse Creek	Natrona	32N 86W NW ¼, SW ¼, S34, NE ¼, SW ¼, S ¾	Horse Creek Springs	PEM (No NWI designation)	July 2000 aerial reconnaissance	20	0	0.03	Sedges, grasses	
42 46.626, 107 06.049	21 (159.34)	Trib. to Horse Creek	Natrona	32N 86W SE ¼, SW ¼, S ¾	Horse Creek Springs	PEMC (PEMC)	1991 NWI map review; during July 2000 aerial reconnaissance, area ~350' to east identified as PEMC	15	0	0.03	Willows, grasses	
42 42.809, 107 05.714	22 (159.95)	Trib. to Horse Creek	Natrona	32N 86W NE ¼, SE ¼, S ¾	Horse Creek Springs	PEMC (PEMC)	1991 NWI map review; during July 2000 aerial reconnaissance, area ~400' to north identified as PEMC	10	15 (top of bank)	0.04	Grasses	

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 43.113, 107 04.888	23 (160.80)	Trib. to Horse Creek	Natrona	32N 86W SW ¼, NE ¼, S 25	Horse Creek Springs	R4SBA/ PEM (R4SBA)	1991 NWI map review; during July 2000 aerial reconnaissance, area ~400' to southeast identified as R4SBA/PEMC	4	8	0.02	Grasses	
42 44.037, 107 04.234	25 (162.04)	Trib. To Cabin Creek	Natrona	32N 85W SW ¼, NW ¼, S 19	Horse Creek Springs	PEMC (PEMC)	1987 COG Delineation Manual (July 2000)	0	200	0.34	Grasses, sedges	
WUS: no riparian or wetland areas	30 (165.05)	Trib. to Soap Creek	Natrona	32N 85W SE ¼, NW ¼, S 5	Eightmile Draw	R4SBA (PEMC)	1991 NWI map review; area ~150' to west observed during July 2000 aerial reconnaissance	0	0 (parallels drainage for 1,300')	0 (parallels drainage for more than 500')	Upland vegetation	Move ROW ~ 50' to east to avoid paralleling drainage
42 47.648, 107 01.966	32 (166.41)	Soap Creek	Natrona	33N 85W NW ¼, NE ¼, S 33	Eightmile Draw	R4SBA/ PEM (R4SBA)	1991 NWI map review; area ~200' to west observed during July 2000 aerial reconnaissance	5	5	0.02	Grasses, sedges	
42 49.382, 107 0.978	33 (168.90)	Poison Spider Creek	Natrona	33N 85W NE ¼, NW ¼, S 22, SE ¼, SW ¼, S 15	Eightmile Draw	PEMC (PEMC)	1991 NWI map review; area ~200' to west observed during July 2000 aerial reconnaissance	10	10 (~ 2 feet open water)	0.03	Grasses, sweet clover	Poison Spider Creek crossing
42 51.651, 107 0.828; WUS: no riparian or wetland areas	171.36	Unnamed trib. to Casper Creek and stock tank	Natrona	33N 85W SE ¼, NW ¼, S 3 SW ¼, NE ¼, S 3	Eightmile Draw	R4SBA/PEM (No NWI designation/ OWUS)	1991 NWI map review; R4SBA observed during July 2000 aerial reconnaissance ~700' to west	0	10	0.02	Grasses	PEM may occur at crossing; created by stock tank drainage

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 52.883, 107 0.670	35 (172.87- 172.90)	Isolated wetland/ stock pond	Natrona (Private)	34N 85W SW ¼, SE ¼, S 27	Gaylord Reservoir	PABFh (PABFh)	1991 NWI map review; area ~800' to the west observed during July 2000 aerial reconnaissance	0	0 (non- jurisdictional stock pond)	0	Grasses	Confirm that ROW avoids stock pond
42 55.308, 106 59.828	175.80	Stock pond south of Square Top Butte (located east of ROW PI)	Natrona	34N 85W NE ¼, NW ¼, S 14	Square Top Butte	PUBFh (PUBFh)	1991 NWI map review; area ~900' to the west of ROW observed during July 2000 aerial reconnaissance	0	0	0 (non- jurisdiction al)	Upland vegetation	Confirm that stock pond lies at least 50' east of ROW
42 57.412, 106 59.162	178.3	Isolated wetland/ stock pond	Natrona	35N 85W SE ¼, SE ¼, S 35	Square Top Butte	(PUSCh)	1991 NWI map review	0	0 (non- jurisdictional stock pond)	0 (non- jurisdiction al)	Not available	Move ROW ~100' to east or west to avoid stock pond
42 57.971, 106 58.977	36 (179.00)	Middle Fork Casper Creek	Natrona	35N 85W NW ¼, NW ¼, S 36	Square Top Butte	R2UBF/PEMB (R2UBF/PEMC)	1991 NWI map review; area ~300' to the east was identified as R2UBF/PEMB during July 2000 aerial reconnaissance	10	5 (open water)	0.03	Baltic rush, plantain, alkali grass	
Intermittent stream crossings identified on USGS 7.5 minute topos from MP182.8 to 186.52 have been plowed under as observed during aerial reconnaissance – No drainages remain.											Upland vegetation/ cropland	
42 59.271, 106 57.918	180.6	Isolated wetland/ stock pond	Natrona	35N 84W NW ¼, SW ¼, S 19	Square Top Butte	(PEMah)	1991 NWI map review	200	0 (non- jurisdictional stock pond)	0.34	Not available	Move ROW ~100' to east to avoid pond

Table B-1 (Continued)

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43 02.263, 106 51.869	187.6	Potential playa lake	Natrona	36N R84W NW ¼, NW ¼, S 1	Natrona	(PABF)	1994 NWI map review	150	0	0.17	Not available	Move ROW ~ 250- 300' to north along 2-track to avoid possible playa area
43 02.313, 106 50.417	189.05	Isolated wetland	Natrona	36N 83W NE ¼, NW ¼, S 6	Natrona	(PEMC)	1994 NWI map review	80	0	0.01	Not available	Move ROW ~ 50' to north or south to avoid wetland
WUS: no riparian or wetland areas	40 (192.10- 192.5)	Stock ponds and intermittent drainage	Natrona	36N 83W SE ¼, SE ¼, S 21, NW ¼, SW ¼, S 22	Natrona	PUSAh/R4SBA (PUSCh, PUSAh)	1987 COE Delineation Manual (July 2000)	0	600 (parallels and crosses drainage)	0.02 (drainage paralleled and 10' crossed)	Spikerush species (dead)	Move route 150' to north to avoid paralleling drainage and stock pond
43 20.011, 106 31.466	45 (215.92)	Unnamed trib. to Dead Horse Creek	Natrona	39N 81W NW ¼, SW ¼, S 24	Camel Hump Reservoir	R4SBJ/R4SBB (R4SBA)	July 2000 aerial reconnaissance	5	35 (2 feet open water)	0.07	Grasses	
43 21.931, 106 30.798	46 (218.29)	N Fork Dead Horse Creek	Natrona	39N 81W SW ¼, NE ¼, S 12	Camel Hump Reservoir	R4SBJ (R4SBA)	1987 COE Delineation Manual (July 2000) ~200' to east identified as R4SBJ during delineation	0	10	0.02	Grasses	Pools present in creek during survey; no flow

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
43 23.520, 106 28.608	47 (221.1)	Government Creek	Natrona	40N 80W SW ¼, NE ¼, S 32	Government Creek	R4SBJ (PEMA)	1994 NWI map review; 1987 COE Delineation Manual (July 2000) ~800' to east identified area as R4SBI	0	30	0.05	Alkali grass	
43 24.504, 106 27.767	222.65	Unnamed trib. to Government Creek	Natrona	40N 80W SW ¼, NW ¼, S 28	Government Creek	R4SBJ/PEMA (No NWI designation/ OWUS)	1994 NWI map review; July 2000 ground visit identified R4SBJ & PEMA~600' to east	10	20	0.05	Alkali grass, sedges	
43 26.279, 106 26.719	48 (224.73)	Trib. to Dugout Creek (Lane Creek)	Natrona	40N 80W SW ¼, NW ¼, S 15	Government Creek	R4SBJ/ PEMC (PEMC)	1994 NWI map review; July 2000 aerial reconnaissance identified R4SBJ/PEMC ~450' to west	5	15 (2-3 feet of open water)	0.03	Rushes, grasses, Canada thistle, milkweed	
43 26.474, 106 26.630	49 (225.00)	Scott Creek	Natrona	40N 80W NW ¼, NW ¼, S 15	Government Creek	R4SBJ (R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance identified R4SBJ ~300' to west	0	20 (2-3 feet of open water)	0.03	Rushes, grasses, Canada thistle	
43 27.26, 106 26.24	50 (225.86)	Trib. to Government Creek	Natrona	40N 80W NE ¼, NW ¼, S 10	Government Creek	R4SBA/PEMC (PEMC)	July 2000 aerial reconnaissance	5	10	0.03	Foxtail grass, wild licorice, rushes	
43 28.994, 106 25.111	51 (228.21)	Trib to Dugout Creek	Natrona	41N 80W NW ¼, NW ¼, S 36	Government Creek	PEMC/R4SBA (R4SBA)	July 2000 aerial reconnaissance	10	40	0.09	Rushes, yellow clover	

Table B-1 (Continued)

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43 29.43, 106 24.42	52 (L0.60)	Dugout Creek	Natrona	41N 80W NW ¼, SE ¼, S 25	Government Creek	R4SBJ (R4SBA)	July 2000 aerial reconnaissance	0	50	0.09	Russian thistle, grasses	Some ponding observed during survey; no flow
43 28.34, 106 22.99	53 (L2.24)	Hay Draw	Natrona	41N 79W SE ¼, SE ¼, S 31	Government Creek	PEMC/R4SBA (R4SBA)	July 2000 aerial reconnaissance	10	70	0.14	Rushes	
43 31.181, 106 24.840	54 (230.96)	Lone Tree Gulch	Johnson	41N 80W NE ¼, SW ¼, S 13	Dugout Ranch	PEMC/R4SBJ (R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance ~500' to the east identified this drainage as PEMC/R4SBJ	5	40 (includes 4 feet open water)	0.08	Rushes, grasses	
43 32.166, 106 24.177	232.0	Unnamed trib. to Lone Tree Gulch	Johnson	41N 80W SW ¼, NW ¼, S 7, NW ¼, SW ¼, S 7	Dugout Ranch	WUS (No NWI designation/ OWUS)	1994 NWI map review	0	0 (Parallels drainage for 600')	0 (Parallels drainage within 50')	Not available	Move ROW ~100' to east to avoid paralleling drainage
43 33.100, 106 22.744	233.8	Unnamed trib. to Dugout Creek	Johnson	41N 79W SW ¼, NW ¼, S 5	Dugout Ranch	(R4SBA)	1994 NWI map review.	0	0 (Parallels drainage for ~800')	0 (Parallels drainage within 50')	Not available	Move ROW ~50' to east into road bed to avoid paralleling drainage within 50'

Table B-1 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
43 33.241, 106 22.651	55 (233.90)	Dugout Creek	Johnson	41N 79W SW ¼, NW ¼, S 5	Dugout Ranch	R4SBA/ PEMC (R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance ~600' to the east identified Dugout Creek as R4SBA/PEMC	20	80 (~5' open water)	0.17	Rush, grasses	
43 34.102, 106 20.726	56 (235.84- 235.87)	Salt Creek	Johnson	42N 79W SW ¼, NW ¼, S 34	Dead Woman Crossing	R2US1(R2USA)	1994 NWI map review; July 2000 COE Manual Delineation ~400' to the east identified Salt Creek as R2US1	10	250' (includes 20' open water)	0.45	Baltic rush, tamarix sp., alkali cordgrass, salt grass	
43 35.479, 106 18.33 to 43 35.61, 106 18.09	57 (238.45)	Meadow Creek	Johnson	42N 79W NW ¼, SW ¼, S 24	Dead Woman Crossing	R5UB1/ PEM1C (R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance identified area ~700' to the east as R5UB1/ PEM1C	15	50' (3' of open water)	0.11	Rushes, tamarix sp., grasses	
WUS: no riparian or wetland areas	59 ² (241.8- 241.85)	Unnamed trib. to Meadow Creek	Johnson	42N 78W NE ¼, NE ¼, S 7	Sussex	R4SBA (PEMAh/ R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance area ~300' to the south identified drainage as R4SBA	0	400	0.69 (ROW runs in drainage for 400')	Upland vegetation	ROW is located within drainage for 400'. Move ROW ~150' east or west to avoid drainage

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Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
43 39.492, 106 14.041	62 (244.63- 244.67)	Trib to Carpenter Draw	Johnson	43N 78W NW ¼, NE ¼, S 33	House Creek	PUSCh (PUSCh)	1994 NWI map review; July 2000 aerial reconnaissance	0	0 (non- jurisdictional waters of the U.S.)	0	Upland vegetation	Confirm that stock pond lies ~50' to south of ROW
43 41.68, 106 11.46	63 (248.17)	House Creek	Johnson	43N 78W NE ¼, SE ¼, S 14	House Creek	R4SBA/PEM1C (R4SBA)	July 2000 aerial reconnaissance	5	50 (includes 2' of open water)	0.09	Cottonwoods, rushes	Move ROW north or south to avoid trees
43 44.120, 106 09.305	66 ² (251.60)	House Creek	Johnson	44N 77W SW ¼, SE ¼, S 31	House Creek	PFO1C/R4SBA (PEMC/R4SBA)	July 2000 aerial reconnaissance	5	30	0.06	Cottonwood species, grasses	Forested/ riparian crossing; move ROW to avoid trees
43 44.898, 106 08.019	67 (253.02)	Dry Fork Powder River	Johnson	44N 77W SW ¼, SE ¼, S 29	House Creek	R4SBA (R4SBA/PEMC)	1994 NWI map review; July 2000 aerial reconnaissance ~1200' to the south identified area as R4SBA	0	10	0.02	Grasses, cottonwoods	Move ROW to avoid trees
WUS: no riparian or wetland areas	256.5	Unnamed trib. to Seventeen Mile Creek	Johnson	44N 77W NE ¼, NE ¼, S 15	Fort Reno SE	R4SBA (No NWI designation/ OWUS)	1994 NWI map review; July 2000 aerial reconnaissance ~800' to the southwest identified area as R4SBA	0	0 (Parallels drainage for ~600')	0 (Parallels drainage for ~600')	Upland vegetation	Move ROW ~150' to east or west to avoid drainage
43 49.01, 106 03.08	69 (259.62)	Willow Creek	Johnson	44N 76W SE ¼, NE ¼, S 1	Fort Reno SE	R4SBA/PEMC (R4SBA)	July 2000 aerial reconnaissance	5	25	0.05	Rushes, grasses	

¹Acres were determined using the following formula: 75-foot-wide construction ROW x (wetland/riparian crossing length + WUS crossing length) ÷ 43,560 (square feet in an acre) = acres of disturbance. If a 50 feet or smaller construction ROW can be used, acres affected would be smaller.

²Wetland numbers 58, 61, and 65 were eliminated due to ROW location modifications. Wetland number 39 did not occur at the ROW crossing proposed, based upon field delineation.

**Table B-2
PSC CO₂ Pipeline Project
Water Features Recommended For Field Review and Possible Rerouting**

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (Feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 21.2, 107 49.4	1 (113.04- 113.11)	Isolated Wetland	Fremont	28N 92W NE ¼, SW ¼, S 33	Crook's Peak	PSS1C/PEMCb (PABGb, PEMC, PSSC)	1987 COE Delineation Manual (7/6/00)	350 (in addition, approximately 600 feet are paralleled within normal high water mark)	0	0.6	Willow, rushes, grasses	Ground- checked 7/6/00. Route as shown on Oct. 2000 POD maps. Move line ~500' to west to follow existing Exxon ROW
42 21.333, 107 49.122	113.35	Tributary to Crooks Creek; beaver ponds	Fremont	28N 92W NW ¼, SE ¼, S 33	Crook's Peak	PSS1b (PSSC)	1990 NWI map review: July 2000 aerial reconnaissance identified beaver ponds in area	~450	0	0.74	Willow	As shown on Oct. 2000 POD maps, passes through beaver pond area. Move ~300' north towards Exxon ROW to avoid
42 23.928, 107 44.750	3 (118.6- 118.8)	West Cottonwood Creek	Fremont	28N 91W NW ¼, SW ¼, S 18	Split Rock NW	R4SBA, PSSA (PSSA)	1990 NWI map review: July 2000 aerial reconnaissance ~500' to south identified area as R4SBA/PSSA	0	500 (parallels drainage)	0.0	Willow	Move ROW 100' to North to avoid paralleling drainage
WUS; no riparian or wetland areas	8 (121.21)	Middle Cottonwood Creek	Fremont	28N 91W NE ¼, SE ¼, S 9	Split Rock NW	R4SBA (PSSA)	1990 NWI map review; 1987 COE manual delineation (7/6/00) ~300' to south identified area as R4SBA	0	500 (parallels drainage)	0.0	Sagebrush, grasses, cottonwood	Poor quality riparian ove ~ 200-300' to south toward paralleling drainage
42 37.731, 107 14.797	150.1	Dry Creek	Natrona	31N 87W NW ¼, SW ¼, S 27	Saddle Rock	(PUBFx)	1991 NWI map review	0	0 (~50' in non- jurisdictional stock pond)	0 (0.09 acre of disturbance in non- jurisdictional stock pond)	Not available	Move line ~50' to north or south to avoid pond

Table B-2 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (Feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 39.232, 107 12.677	152.8	Unnamed trib. to Cottonwood Creek	Natrona	31N 87W NW ¼, NE ¼, S 23, SE ¼, SE ¼, S 14	Saddle Rock	R4SBA (No NWI designation/ OWUS)	1991 NWI map review; area ~500' to east was identified as R4SBA during July 2000 aerial reconnaissance	0	0 (Parallels drainage for ~800')	0.0 (parallels drainage for 800')	Upland vegetation	Move ROW ~50-100' to east or west to avoid paralleling drainage
42 46.065, 107 07.478	158.01	Isolated spring	Natrona	32N 86W NW ¼, SW ¼, S 34, NE ¼, SW ¼, S 34	Horse Creek Springs	PEM1B (No NWI designation)	July 2000 aerial reconnaissance	50 x 100	0	0.11	Sedges and rushes, grasses	Spring associated with Horse Creek. Move line ~100' to east to avoid
WUS: no riparian or wetland areas	30 (165.05)	Trib. to Soap Creek	Natrona	32N 85W SE ¼, NW ¼, S 5	Eightmile Draw	R4SBA (PEMC)	1991 NWI map review; area ~150' to west observed during July 2000 aerial reconnaissance	0	0 (parallels drainage for 1,300')	0 (parallels drainage for more than 500')	Upland vegetation	Move ROW ~50' to east to avoid paralleling drainage
42 51.651, 107 08.28; WUS: no riparian or wetland areas	171.36	Unnamed trib. to Casper Creek and stock tank	Natrona	33N 85W SE ¼, NW ¼, S 3 SW ¼, NE ¼, S 3	Eightmile Draw	R4SBA/PEM (No NWI designation/ OWUS)	1991 NWI map review; R4SBA observed during July 2000 aerial reconnaissance ~700' to west	0	10	0.02	Grasses	PEM may occur at crossing; created by stock tank drainage; move ROW ~50' east or west to avoid tank
42 52.883, 107 06.70	35 (172.87-172.90)	Isolated Wetland/ stock pond	Natrona (Private)	34N 85W SW ¼, SE ¼, S 27	Gaylord Reservoir	PABFh (PABFh)	1991 NWI map review; area ~800' to the west observed during July 2000 aerial reconnaissance	0	0 (non-jurisdictional stock pond)	0	Grasses	Confirm that ROW avoids stock pond Pond lies adjacent to sage grouse lek location SG-34-85-34-02-14
42 55.308, 106 59.828	175.80	Stock pond south of Square Top Butte (located east of ROW PI)	Natrona	34N 85W NE ¼, NW ¼, S 14	Square Top Butte	PUBFh (PUBFh)	1991 NWI map review; area ~900' to the west of ROW observed during July 2000 aerial reconnaissance	0	0	0 (non-jurisdictional)	Upland vegetation	Confirm that stock pond lies at least 50' east of ROW
42 57.412, 106 59.162	178.3	Isolated wetland/ stock pond	Natrona	35N 85W SE ¼, SE ¼, S 35	Square Top Butte	(PUSCh)	1991 NWI map review	0	0 (non-jurisdictional stock pond)	0 (non-jurisdictional)	Not available	Move ROW ~100' to east or west to avoid stock pond

Table B-2 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (Feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
42 59.271, 106 57.918	180.6	Isolated wetland/ stock pond	Natrona	35N 84W NW ¼, SW ¼, S 19	Square Top Butte	(PEMah)	1991 NWI map review	200	0 (non-jurisdictional stock pond)	0.34	Not available	Move ROW ~100' to east to avoid pond
43 02.263, 106 51.869	187.6	Potential playa lake	Natrona	36N R84W NW ¼, NW ¼, S 1	Natrona	(PABF)	1994 NWI map review	150	0	0.17	Not available	Move ROW ~ 250- 300' to north along 2-track to avoid possible playa area
43 02.313, 106 50.417	189.05	Isolated wetland	Natrona	36N 83W NE ¼, NW ¼, S 6	Natrona	(PEMC)	1994 NWI map review	80	0	0.01	Not available	Move ROW ~ 50' to north or south to avoid wetland
WUS: no riparian or wetland areas	40 (192.10-192.5)	Stock ponds and intermittent drainage	Natrona	36N 83W SE ¼, SE ¼, S 21, NW ¼, SW ¼, S 22	Natrona	PUSAh/R4SBA (PUSCh, PUSAh)	1987 COE Delineation Manual (July 2000)	0	600 (parallels and crosses drainage)	0.02 (drainage paralleled and 10' crossed)	Spikerush species (dead)	Move route 150' to north to avoid paralleling drainage and crossing stock pond
43 32.166, 106 24.177	232.0	Unnamed trib. to Lone Tree Gulch	Johnson	41N 80W SW ¼, NW ¼, S 7, NW ¼, SW ¼, S 7	Dugout Ranch	WUS (No NWI designation/ OWUS)	1994 NWI map review	0	0 (Parallels drainage for 600')	0 (Parallels drainage within 50')	Not available	Move ROW ~100' to east to avoid paralleling drainage
43 33.100, 106 22.744	233.8	Unnamed trib. to Dugout Creek	Johnson	41N 79W SW ¼, NW ¼, S 5	Dugout Ranch	(R4SBA)	1994 NWI map review.	0	0 (Parallels drainage for ~800')	0 (Parallels drainage within 50')	Not available	Move ROW ~50' to east into road bed to avoid paralleling drainage within 50'
WUS: no riparian or wetland areas	59 ² (241.8-241.85)	Unnamed trib. to Meadow Creek	Johnson	42N 78W NE ¼, NE ¼, S 7	Sussex	R4SBA (PEMAh/ R4SBA)	1994 NWI map review; July 2000 aerial reconnaissance area ~300' to the south identified drainage as R4SBA	0	400	0.69 (ROW runs in drainage for 400')	Upland vegetation	ROW is located within drainage for 400'. Move ROW ~150' east or west to avoid drainage
43 39.492, 106 14.041	62 (244.63-244.67)	Trib to Carpenter Draw	Johnson	43N 78W NW¼, NE ¼, S 33	House Creek	PUSCh (PUSCh)	1994 NWI map review; July 2000 aerial reconnaissance	0	0 (avoided)	0	Upland vegetation	Confirm that stock pond lies ~50' to south of ROW

Table B-2 (Continued)

Latitude (N)/ Longitude (W) (Degrees, Minutes)	Crossing Name and Number (Milepost)	Type (perennial, intermittent, ephemeral, playa)	County	Township Range Quarter/ Quarter	NWI/USGS 7.5-Minute Quadrangle	Wetland Classification Field (NWI Map)	Delineation Method (Date)	Wetland Crossing Length (Feet)	Jurisdictional Waters of the U.S. Crossing Length (feet) (does not include wetland footage)	Area Temporarily Affected (Acre) ¹	Dominant Plants	Comments
43 41.68, 106 11.46	63 (248.17)	House Creek	Johnson	43N 78W NE ¼, SE ¼, S 14	House Creek	R4SBA/PEM1C (R4SBA)	July 2000 aerial reconnaissance	5	50 (includes 2' of open water)	0.09	Cottonwood, rushes	Move ROW 50 to 100' north or south to avoid trees. Site lies within prairie dog town
43 44.120, 106 09.305	66 ² (251.60)	House Creek	Johnson	44N 77W SW ¼, SE ¼, S 31	House Creek	PFO1C/R4SBA (PEMC/R4SBA)	July 2000 aerial reconnaissance	5	30	0.06	Cottonwood species, grasses	Forested/ riparian crossing; move ROW to south 100' to avoid trees. Unidentified owl nest ~200 to north of ROW (OWL44-77- 31-01-N)
43 44.898, 106 08.019	67 (253.02)	Dry Fork Powder River	Johnson	44N 77W SW ¼, SE ¼, S 29	House Creek	R4SBA (R4SBA/PEMC)	1994 NWI map review; July 2000 aerial reconnaissance ~1200' to the south identified area as R4SBA	0	10	0.02	Grasses, cottonwoods	Move ROW ~50-100' to north or south to avoid trees. Site lies in prairie dog town
WUS: no riparian or wetland areas	256.5	Unnamed trib. to Seventeen Mile Creek	Johnson	44N 77W NE ¼, NE ¼, S 15	Fort Reno SE	R4SBA (No NWI designation/ OWUS)	1994 NWI map review; July 2000 aerial reconnaissance ~800' to the southwest identified area as R4SBA	0	0 (Parallels drainage for ~600')	0 (Parallels drainage for ~600')	Upland vegetation	Move ROW ~150' to east or west to avoid paralleling drainage

¹ Acreages were determined using the following formula: 75-foot-wide construction ROW x (wetland/riparian crossing length + WUS crossing length) ÷ 43,560 (square feet in an acre) = acres of disturbance. If a 50 foot or smaller construction ROW can be used, acres affected would be smaller.

² Wetland numbers 58, 61, and 65 were eliminated due to ROW location modifications. Wetland number 39 did not occur at the ROW crossing proposed, based upon field delineation.

Table B-3
Wyoming State Noxious Weed List*

Scientific Name	Common Name
<i>Agropyron repens</i>	Quackgrass
<i>Ambrosia tomentosa</i>	Skeletonleaf bursage
<i>Arctium minus</i>	Common burdock
<i>Cardaria draba</i>	Hoary cress (whitetop)
<i>Carduus acanthoides</i>	Plumeless thistle
<i>Carduus nutans</i>	Musk thistle
<i>Centaurea diffusa</i>	Diffuse knapweed
<i>Centaurea maculosa</i>	Spotted knapweed
<i>Centaurea repens</i>	Russian knapweed
<i>Chrysanthemum leucanthemum</i>	Oxeye daisy
<i>Cirsium arvense</i>	Canada thistle
<i>Convolvulus arvensis</i>	Field bindweed
<i>Cynoglossum officinale</i>	Houndstongue
<i>Euphorbia esula</i>	Leafy spurge
<i>Isatis tinctoria</i>	Dyers woad
<i>Lepidium latifolium</i>	Perennial pepperweed (Giant whitetop)
<i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Dalmation toadflax
<i>Linaria vulgaris</i>	Yellow toadflax
<i>Lythrum salicaria</i>	Purple loosestrife
<i>Onopordum acanthium</i>	Scotch thistle
<i>Sonchus arvensis</i>	Perennial sowthistle
<i>Tamarix chinensis</i>	Tamarisk / Salt cedar

*The following additional species also have been identified for listing on the State Noxious Weed List by Campbell, Johnson, or Natrona Weed Districts:

<i>Glycyrrhiza lepidota</i>	Wild licorice
<i>Halogeton glomeratus</i>	Halogeton
<i>Tribulus terrestris</i>	Puncturevine
<i>Verbascum thapsus</i>	Common mullein

Table B-4
Weed Populations Identified by Aerial Reconnaissance Along
Petro Source Right-of-Way July 2000

Approximate Latitude (North)/ Longitude (West)	Approximate Milepost	Weed Species	Population Size (square feet unless otherwise noted)	Percent of Population in ROW
42.47495, 107.48000	134.0-134.1	Russian knapweed	600	90
42.46950, 107.47733	134.0	Leafy spurge	10 plants	100
42.62837, 107.24537	150.1 - 150.28 (Dry Creek)	Leafy spurge	500	100
42.70072, 107.12560	158.0	Canada thistle	Scattered plants	100
42.97127, 106.97897	179.35	Russian knapweed	15	100
42.96679, 106.98050	179.0 (Middle Fork of Casper Creek)	Wild licorice	20	100
43.01320, 106.95420 to 43.02918, 106.90957	182.0 – 185.2	Canada thistle	Scattered plants	50
43.03495, 106.86129	187.5	Canada thistle	15	100
43.12488, 106.71298	197.95	Canada thistle	25	100
43.16288, 106.65877	202.0	Canada thistle	5	100
43.25392, 106.56752	210.2	Canada thistle	20	100
43.36517, 106.51433	218.29	Wild licorice	5	100
43.40554, 106.46546	222.4 (Government Creek)	Halogeton, Canada thistle, Salt cedar	15	100
43.40883, 106.46250	222.85	Canada thistle, Halogeton	5	100
43.43757, 106.44515	224.78 (Scott Creek)	Canada thistle	10	50
43.44167, 106.44500	225.0	Canada thistle	15	100
43.45433, 106.43733	225.86	Wild licorice	30	75
43.45617, 106.43583	226	Wild licorice	Scattered plants	100
43.49050, 106.40700	0.5 (Lateral)	Salt cedar	12 plants	100
43.48367, 106.39700 to 43.47233, 106.38317	1.2 – 2.1 (Lateral)	Scotch thistle, mullein	Scattered plants	75
43.46625, 106.33660	4.95 (Lateral)	Salt cedar	12	50
43.44600, 106.33650	5.0 (Lateral)	Salt cedar	10	100
43.43238, 106.31075	6.7 (Lateral)	Russian knapweed	40	25
43.54667, 106.38533 to 43.57484, 106.33191	233.5 – 236.8	Scotch thistle	Scattered plants	10
43.58181, 106.32249	237.3	Scotch thistle	15	100
43.59140, 106.30590 to 43.63500, 106.26067	238.45 to 242.5 (Meadow Creek)	Scotch thistle	Scattered plants	50
43.59140, 106.30590	238.45	Salt cedar	Scattered plants	50
43.65850, 106.23500 to 43.66117, 106.24550	244.8-244.09	Scotch thistle, Salt cedar	12	100
43.68409, 106.20848	247.0	Scotch thistle	Scattered plants	50
43.69467, 106.19100	248.17	Scotch thistle	Scattered along creek bottom	100
43.70240, 106.18290	248.82	Scotch thistle	1 acre	25
43.73584, 106.15385	251.6	Scotch thistle	10	100
43.81683, 106.05133	259.62	Salt cedar	3 plants	100

Table B-5
Weed Population Locations Identified During Sensitive Plant Ground Surveys
June/July 2000

Species	Approximate Milepost Locations	Latitude/ Longitude Coordinates	
Canada thistle	158.5	42.70422	107.11695
	163.1	42.74837	107.06283
	166.9	42.79790	107.03027
	McFarland Ranch at 180.5	42.98809	106.96561
	220.5 (Access Road 9)	43.39059	106.49390
		43.39273	106.49483
	243.5 (Access Road 15)	43.64757	106.26852
		43.64731	106.26853
	259.5	43.81548	106.05359
	Lateral MP 6.7	43.43155	106.30830
Whitetop	L Cross Ranch at 134.2	42.47900	107.47826 to
		42.47969	107.47739
Leafy spurge	L Cross Ranch at 133.5 (Sweetwater River)	42.47335	107.48825
	Bug Ranch at 150.3	42.62819	107.24747 to
		42.62861	107.24684
	Horse Creek Spring at 158.5	42.70422	107.11695
Musk thistle	163.1	42.74837	107.06283
Russian knapweed	L Cross Ranch at 134.2	42.47873	107.47846
	McFarland Ranch at 179.5	42.97127	106.97897
Scotch thistle	Dugout Ranch at 233.5	43.54915	106.38182
	Lateral MP 0.5	43.49038	106.40668
		43.48987	106.40587
	Lateral MP 1.2	43.48295	106.39641
	240.2 to 241.0 (Access Road 15)	43.62474	106.28355 to
		43.61214	106.28614
	241.6-242.0 (Access Road 15)	43.62766	106.27845 to
		43.63052	106.27060
242.2 (Access Road 15)	43.63789	106.26918	
238.45 to 239.0	43.59140	106.30590 to	
	43.59581	106.29780	
	259.5	43.81548	106.05359
Salt cedar	McFarland Ranch at 180.5	42.98795	106.96555
	Lateral MP 0.5	43.49054	106.40719
	Lateral MP 6.7	43.43155	106.30830
	238.5	43.59305	106.30320