

CSID 73

NFA

**WORKSHEET 1
SUMMARY SCORE SHEET**

Site Name:

Northwest Pipeline Pullman
Section 7, Township 14N, Range 45 EWM
TCP ID: E-38-3004-000 791
Facility Site ID: 791
Latitude: 46° 42 min 36.58 sec
Longitude: 117° 12 min 5.62 Sec
Address: Hwy 195 & Hwy 27
Pullman, Whitman County, WA 99163

Site Scored/Ranked: Feb. 16, 1999, update

Site Description:

The Northwest Pipeline (NWP) Pullman Meter Station is located in the floodplain of Missouri flat Creek off State Route 27 approximately ¼ mile north of its intersection with State Route 195. Surrounding land use is primarily light industrial and residential, consistent with the City of Pullman's zoning. The entire site is enclosed within an eight foot, chain link fence.

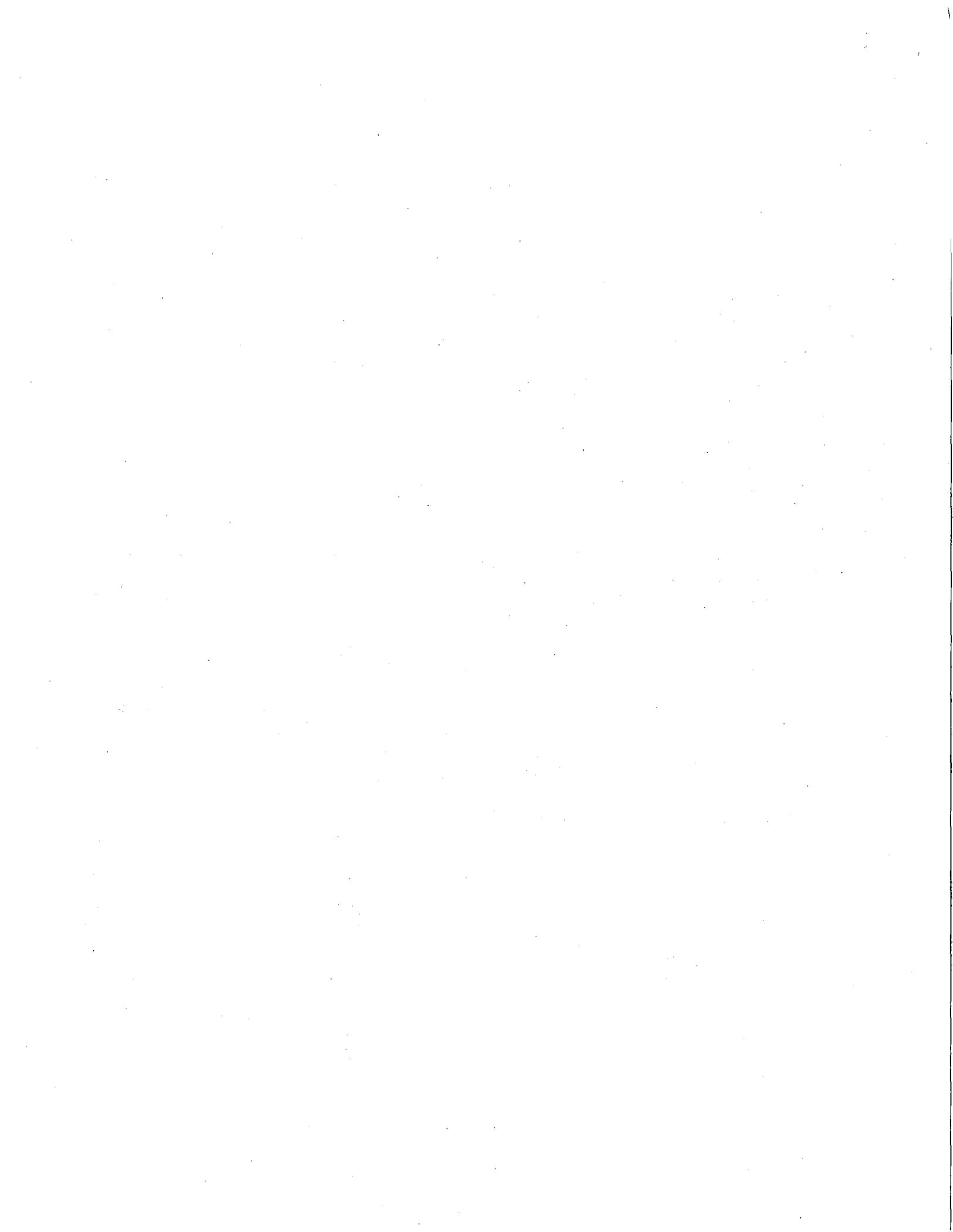
The NWP Pullman Meter Station was added to the Washington State Department of Ecology (Ecology) Site Information System listing in 1991 following notification by Northwest Pipeline Corporation that historical releases of undetermined quantities of mercury had occurred. The sources of mercury were identified as mercury-containing equipment used by NWP including thermometers and metering equipment. An Initial Investigation conducted by Ecology in May, 1991, confirmed that the site warranted further evaluation.

An Independent Remedial Action was conducted by NWP prior to Ecology's Initial Investigation. The primary goal of this action was to insure worker safety through compliance with OSHA requirements. Specific compliance with MTCA cleanup standards was not a major consideration. Soil samples collected by NWP after the remediation procedure were found to contain mercury in concentrations above the MTCA Method A Cleanup Level for mercury in soil of 1.0 mg/kg.

SPECIAL CONSIDERATIONS:

Air and surface water routes were not considered for scoring due to the containment of the contaminants within an enclosed structure under several inches of clean gravel.

PATHWAY SCORES:



Surface Water: NA

Air: NA

Ground Water/Human Health: 21.6

OVERALL RANK: 5

**WORKSHEET 2
ROUTE DOCUMENTATION**

1. SURFACE WATER ROUTE. Not Applicable

2. AIR ROUTE. Not Applicable

3. GROUND WATER ROUTE

List those substances to be considered for scoring: Source: 1

Mercury

Explain basis for choice of substance(s) to be used in scoring.

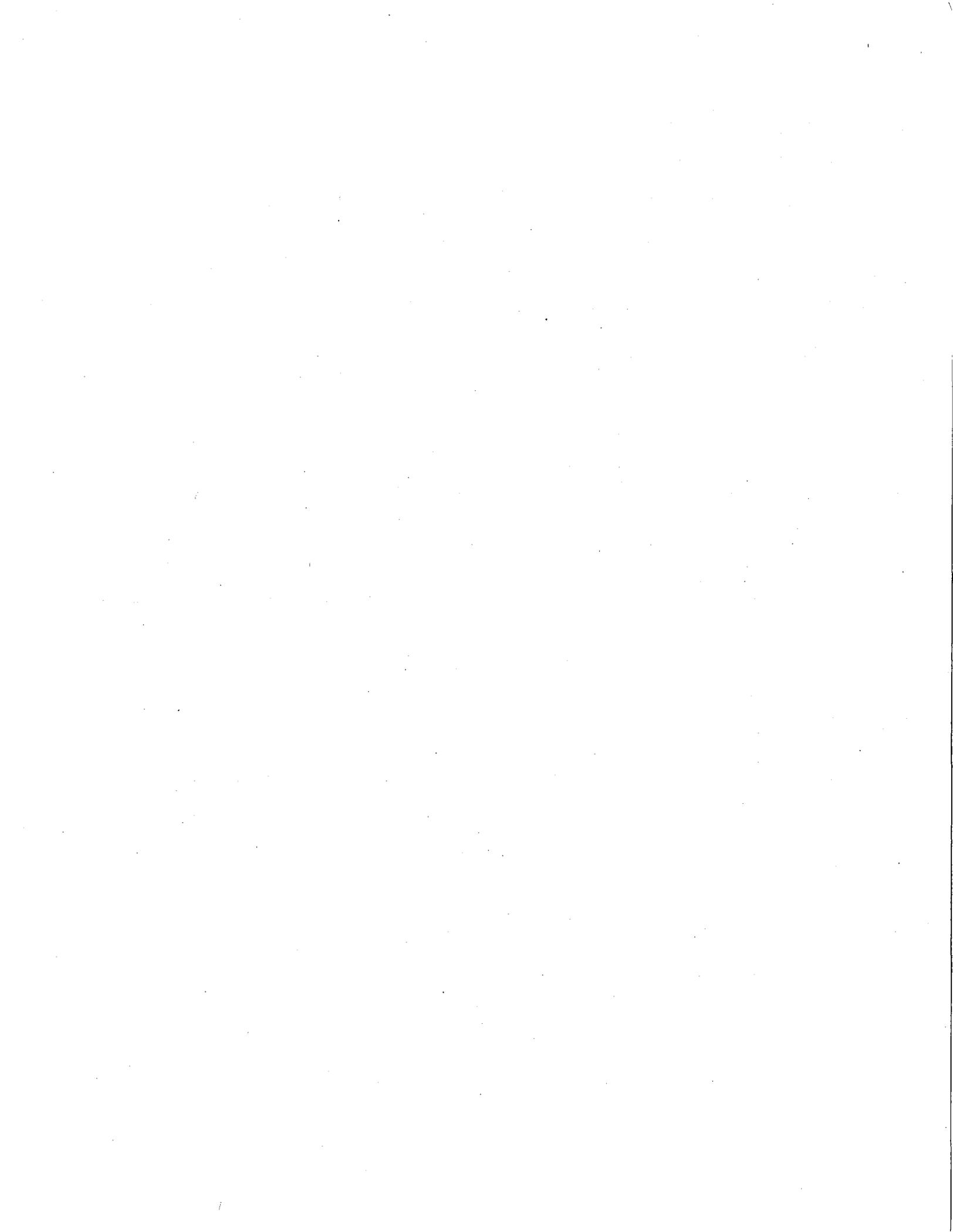
Mercury in concentrations exceeding MTCA Method A Cleanup Standards found in soil.

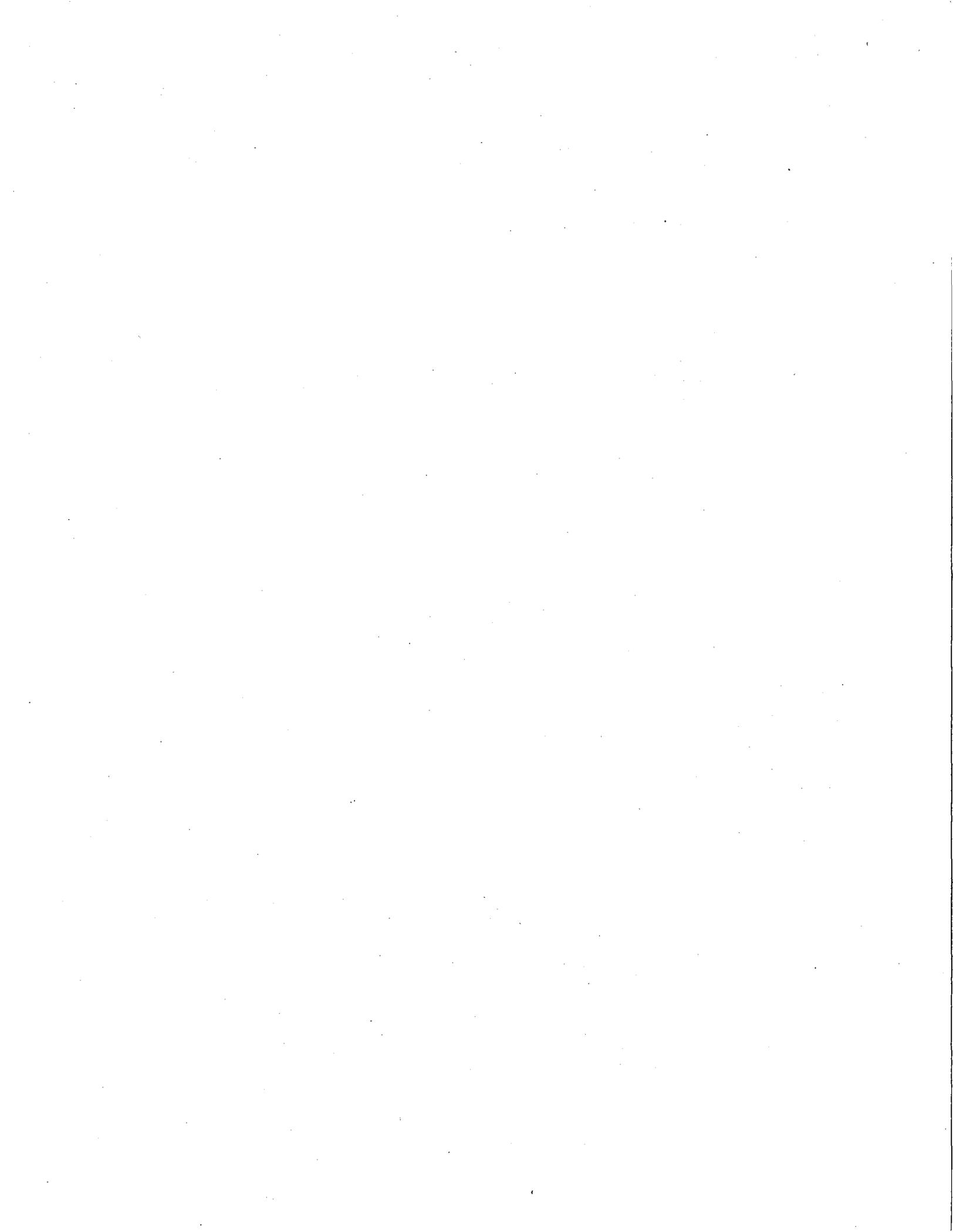
List those management units to be considered for scoring: Source: 1

Contaminated subsurface soil

Explain basis for choice of unit to be used in scoring.

Clean gravel placed over contaminated soils. Regional aquifer confined by 200 feet of basalt.





2.2 Net Precipitation: 9.7 inches Source: 4 Value: 1

2.3 Subsurface Hydraulic Conductivity: $>10^{-7}$ to 10^{-5} Source: 3 & 8 Value: 2

2.4 Vertical Depth to Ground Water: 0-25¹ feet Source: 8 Value: 8

WORKSHEET 6 (CONTINUED) GROUND WATER ROUTE

3.0 TARGETS

3.1 Ground Water Usage: Public Supply, Alternate Sources Source: 5 Value: 4

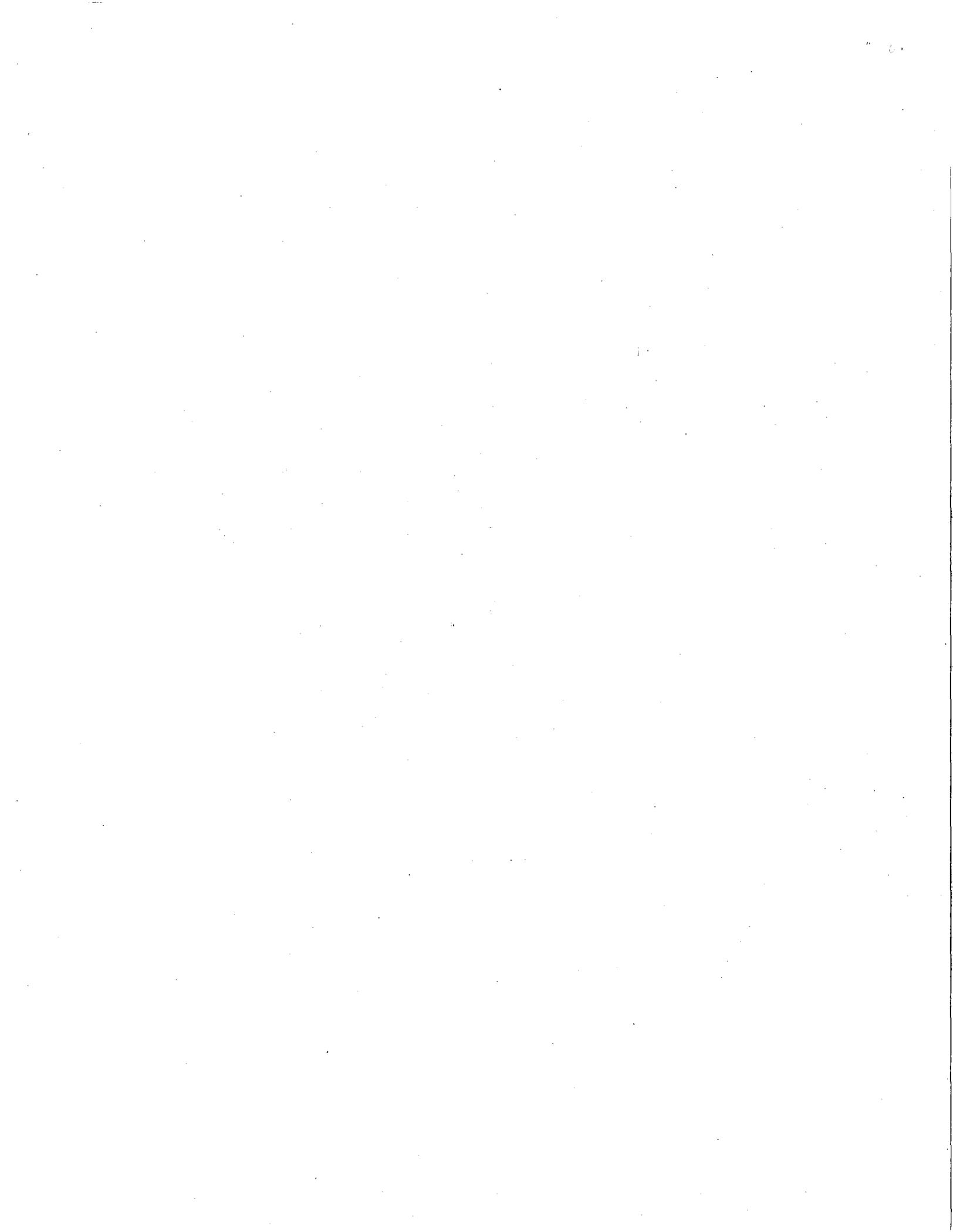
3.2 Distance to Nearest Drinking Water Well: <600 ft Source: Value: 5

3.3 Population Served within 2 Miles: $\sqrt{\text{pop.}} = \sqrt{25} = 5$ Source: 5 Value: 5

3.4 Area Irrigated by (Groundwater) Wells
within 2 miles: acres = 0 Source: 7 Value: 0

4.0 RELEASE

Explain basis for scoring a release to ground water: No documented release Source: 1 Value: 0



SOURCES USED IN SCORING

1. Release and Independent Actions for Mercury Contaminated Natural Gas Meter Houses, submitted by Northwest Pipeline Corporation, March 13, 1991
2. Toxicology Database WARM
3. WARM Scoring Manual
4. Washington Climate for Whitman County Agricultural Extension Service, WSU
5. W.S.D.O.H. Drinking Water Information Network
6. EPASITEINFO Database
7. WRIS-DOE
8. Soil Survey of Whitman County, WA
SCS 1980

