NYE COUNTY WATER DISTRICT

TECHNICAL PROCEDURE

TITLE:	Revision: 0
Development of Positional Data using a Resource-Grade Global Navigation Satellite System (GNSS) Unit	Date: 3/16/2015 Page: 1 of 12

TECHNICAL PROCEDURE NUMBER:	SUPERSEDES:
NCWD TP-9.8	**None**

APPROVAL

General Manager — Date: 3/23/15

CONCURRENCE

Technical Manager — Date: 3-23-15

Principal Investigator — Date: 3-23-15

Quality Assurance Officer — Date: 3/17/15

1.0 PURPOSE

This technical procedure (TP) provides instructions for the collection and post-processing of Global Navigation Satellite System (GNSS) data in support of projects conducted by the Nye County Water District (NCWD).

GNSS is a system in which high-precision orbital location and timing signals are broadcast by a constellation of satellites. GNSS receivers use these signals to calculate their location, direction, speed, and time on Earth. The only fully operational GNSSs are the United States Global Positioning System (GPS, called NAVSTAR by the United States Air Force) and the Russian GLONASS as of October 1, 2012. GNSS units may implement both GPS and GLONASS receivers. In the United States GNSS and GPS are being used interchangeably.

The information contained in this TP is intended to ensure that GNSS data developed by NCWD personnel using a resource-grade GNSS unit and supporting software meet NCWD Quality Assurance (QA) Program requirements. All NCWD quality administrative procedures (QAPs), work plans, and test plans referred to herein shall be the most current revisions of those documents. This document has been prepared in accordance with NCWD-QAP-5.2, *Preparation of Work Plans, Test Plans, and Technical Procedures.*

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